

Signal Beacons and Sounders

CATALOG 2026



Signal Tower Lights

Signal Beacons and Sounders

Heavy-Duty and Explosion Proof Signalings

Warning Light Bars

Aviation Obstruction Lights

Smart Factory Products

Industrial LED Lights

Performance Line - E Series

IO-Link Product

Qlight

Gives you a
Brighter
Future

Qlight Gives You a Brighter Future!

Qlight has been contributed to an industrial safety and efficiency by producing several audible/ visual signaling devices and industrial LED lights since its establishment in 1986. Our technology and quality are highly reputable among various industries for example semiconductor manufacturing equipment, automobile industry, unmanned automation facility, steel production facility, shipbuilding industry, offshore plant, specialized unit for petrochemical industry based on diverse technology patents and core technologies such as LED light source, heat radiation technology, explosion proof design. Our established local corporations in South Korea and China, sales branches in the United States, Japan, Vietnam, and a global service network provides a distribution and sales system servicing over 80 countries that help Qlight reinforces industrial fields all over the world.



Qlight is a representative of signaling device in Korea.

Qlight has been striving to accomplish our mission to provide visual and audible status indicating systems and solutions to enhance our customer's work safety and efficiency for the last three decades.
As a market leader, Qlight is going to accomplish our responsibility by introducing state of the art equipment and unmanned facilities.

1986 - 1995

Business foundation and consolidation

- 1986 Established Qlight
- 1993 Nominated for developing domestic explosion proof warning lights by Korean Ministry of Science & Technology

1996 - 2005

Growing as a s signaling device specialist

- 2001 Established Shanghai Qlight Electronic Co., Ltd. in China



- 2004 ISO 9001:2000 certificates acquired

2006 - 2017

A great leap forward & business reconstruction

- 2010 Established R&D Center
- 2011 Selected as a venture company
- 2011 Selected as an INNO-BIZ firm which is an innovative tech company
- 2014 Selected as a promising export company by Small and Medium Business Administration(SMBA)
- 2014 Established the Qlight USA, Inc. in San Jose, CA.
- 2016 The second Gimhae factory built



History of Change & Innovation

2018 to Present

New engines for growth

2019 Established Qidong factory



2019 Selected as a family friendly
company by Ministry of
Gender Equality and Family

2020 Selected as a small giants
company by Small and
Medium Business
Administration(SMBA)

2021 Selected as a youth-friendly
small giants company

2023 Selected as the best reading
management company
by the Ministry of Culture,
Sports and Tourism of Korea

The 2nd growth and globalization

Qlight, the best professional company

Leading the **improvement of industrial efficiency**

1 Aiming for the first-class

Aiming for the first-class specialized company to contribute industrial efficiency and safety of customer based on the core competency of System, Variety, and Hi-quality

40 Continuous growth for about 40 years

Based on a partnership-oriented corporate culture and sharing management, we have grown continuously for 40 years since our founding and are recognized for our quality and technology.

80 Global networks in 80 countries

Exporting to all over the world through global network spanning over 200 distribution channels in 80 countries and brightening industrial sites around the world

450 Multi-variety production

Satisfying various needs of customers through systematic customer-customized production system for over 450 products

Quick

Prompt customer satisfaction and real time enterprise(RTE)

Quality

Emphasis on product and service quality, workplace innovation and ethical management

Question

Problem oriented thinking and creative problem solving are based on achieving strategic task.

Qualified

The most suitable company that leads the innovation of signaling device technology and industrial efficiency improvement



Core Competency



System

Delicate mechanism of the work realizes shorter lead time by effectively managing over-all procedures such as purchasing, production, stock management, and distribution.



Broad-line

Customers are highly satisfied with Qlight products because we offer over 450 types of wide variety of product family with a systematic customized production system.



Supreme Quality

Qlight's technological capability and supremacy of quality are being recognized because of our strict technology standard and inspection system. We've obtained over 22 certificates such as IECEx, ATEX, NEPSI, CCS, CE, and UL. We've been expanding it in accordance with industrial demands.

How Qlight works





SELECTION OF WARNING LIGHT

The selection of signaling devices will depend on the particular situation and environment.

- Whether the location of installation is dark or bright.
- Whether the signal transmission range should be short or long, or should have good visibility.
- Whether you need an economical but short lifetime product or upscale product with longer lifetime.
- Whether the environment is harsh with vibration and shock, or the environment is stable so that the life of the lights can be guaranteed.
- Whether it hugely or lightly affects ongoing task and safety when light source(bulb) of beacon is damaged at once.

FACTORS TO CONSIDER IN SIGNAL SELECTION





TYPE OF LIGHT SOURCE

Bulb

Light bulb is a light source that uses temperature reflection generated by the current flowing through the light bulb filament (thin line of metal), tungsten wire coil filament is often used. The hot filament is protected from oxidation with a glass sphere injected with inert gas (Argon gas, etc.). Typical characteristics of the gas injected bulb is described below.

1. When operating voltage is 10% lower than bulb's rated voltage, lifespan of product is quadrupled and power consumption is reduced to 85%.
2. On the contrary, when the operating voltage rises by 10%, lifespan of product becomes extremely short by 30% compared to the standard lifespan of a standard bulb (approx. 1,000 to 1,500 hours), and the power consumption rises by 16%. On the other hand, the brightness increases by 40%.

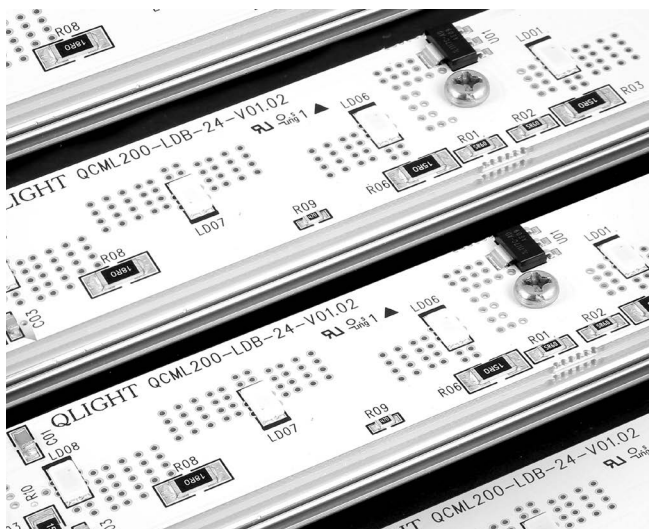
LED

The LED is a light emitting diode which emits light by injecting a current in the PN junction of the special semiconductor, semiconductors such as GaAs, GaP that Maximizes the electro-optical conversion effects are used. Like other semiconductors, over-voltage or ambient temperature affects the lifetime, but due to the absence of mechanical abrasion of the part, LED is shock/ vibration resistant so there is no need for proper seismic design. The standard service life of an LED is about 50,000 hours.

Xenon Lamp

Xenon lamp is a flash type light source that emits bright light instantly by inserting high energy into the lamp. Compared with the steady type lamp, xenon lamps need a lot of input power instantly and an extremely large amount of light it is diffused.

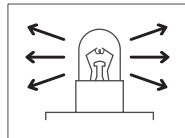
The lamp is filled with xenon(Xe) gas due to the convenience of the production(choice of materials), its use, xenon lamp was named after the xenon gas that it uses. xenon lamps are also resistant to vibration due to its mounting method. In addition, it is visible even in bright environments not only because the spectacle distribution of the visible light is close to the sunlight, it uses the same method as the strobe of the camera.



Warning Light/Indicator Light Operating Principle

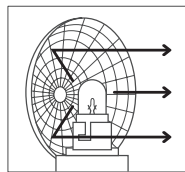
SELECTION OF WARNING LIGHT

The selection of signaling devices will depend on the particular situation and environment.



Bulb Steady/Flashing Type

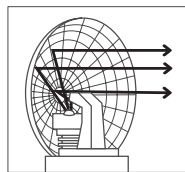
Highly diffusible light bulb that refracts light through a special lens and can be used in a steady or flashing state



Bulb Revolving Type

By combining a highly diffusible light bulb and a reflector, light is reflected in a parallel beam with a rotating cycle

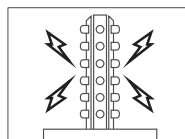
Our bulb revolving model has a long lifetime enabled by using a high durability bulb and a power transfer system that minimizes noise and abrasion



LED Revolving Type

The combination of an LED and a reflector creates a parallel light beam with a rotating cycle

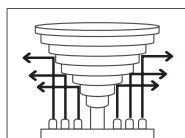
LED Rotating model with reflector adopts a special light distribution and multiple reflection system that is obtained a patent by Qlight can emit the light intensively and evenly as same as a bulb rotating type with reflector. (Patent No.: 10-0889803, 10-0808669 and 20-2008-0002489)



LED Strobe-Type

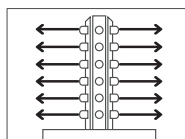
By shortening the LED flashing period and supplying the maximum current to the LED, it produces a flash effect just like the xenon lamp



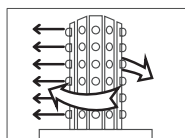


LED Steady/Flashing Type

The indirect light distribution system uses a special structure to radiate a uniform light signal throughout the entire body of the lens by using a multi-stage reflector

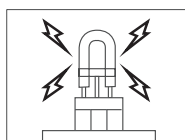


The direct light distribution system uses a high-intensity LED light and diffusion lens to transfer signal over a long distance. Qlight LED lights / flashing lights are equipped with two structures depending on the model type, Steady or Flashing Type



LED Simulated Revolving Type

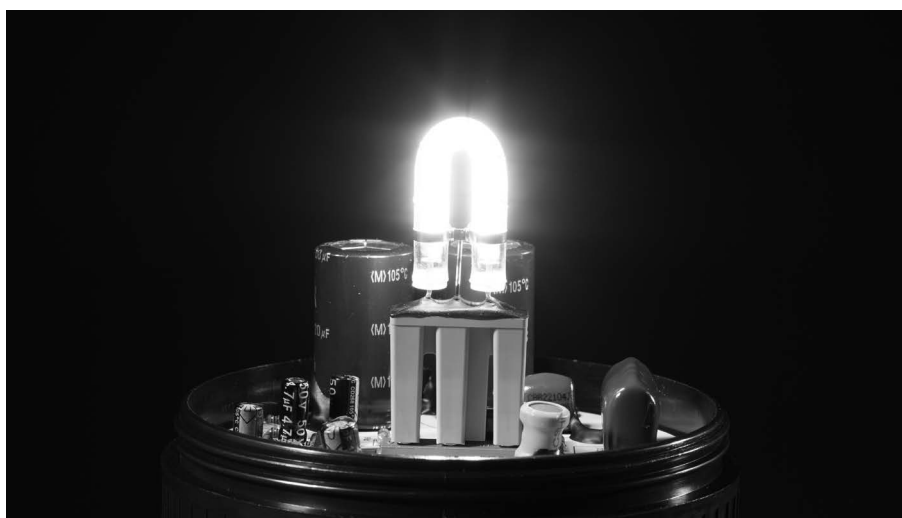
By uniformly arranging the LED lens in a 360 degree circumferential direction, it will produce a flash in a regular rotating sequence. The visual effect looks just the same as the revolving model



Xenon Lamp Strobe-Type

An intensive flashing light emitting model with short term energy consumption that can highly attract worker's attention. Better shock resistance than a conventional bulb and weaker than LED.

Since it adopts intensive xenon lamp light emitting into lens design, it can emit intensive signal light in all directions of the lens.

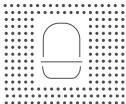
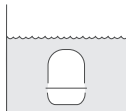


Waterproof and Dustproof Protection Structure

Comparing waterproof & dustproof protection structure

IP rating _ Known as "Ingress Protection rating" indicated in two-digit code showing the amount of protection against solid and the liquid(IEC60529)

IP 6 7

First Number		Second Number			
Protection against solid		Protection against liquid			
0		No protection	0		No protection
1		Protected against solid objects over 50mm, eg accidental touch by persons hands	1		Protection against vertically falling drops of water eg condensation
2		Protected against solid objects over 125mm, eg persons fingers	2		Protection against direct sprays of water up to 15° from the vertical
3		Protected against solid objects over 25mm (tools and wires)	3		Protected against direct sprays of water up to 60° from the vertical
4		Protected against solid objects over 1mm (tools, wires, and small wires)	4		Protection against water sprayed from all directions - limited ingress permitted
5		Protected against dust limited ingress (no harmful deposit)	5		Protected against low pressure jets of water from all directions - limited ingress
6		Totally protected against dust	6		Protected against temporary flooding of water, eg for use on ship decks - limited ingress permitted
		7		Protected against the effect of immersion between 15 cm and 1 m	
		8		Protects against long periods of immersion under pressure	

NEMA SIZE

National Electrical Manufacturers Associations standard for enclosure protection rating, NEMA1-6 and 11-13 type is applicable in Non-Hazardous Locations, NEMA 7-10 is applicable in Hazardous Locations

Type	Usage place	Environment	Protection rating
1	Indoor Use	Non-explosion proof	Intended for indoor use primarily to provide a degree of protection against limited amounts of falling dirt
2	Indoor Use	Non-explosion proof	Intended for indoor use primarily to provide a degree of protection against limited amounts of falling water and dirt
3	Outdoor Use	Non-explosion proof	Intended for outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust; and damage from external ice formation
3R	Outdoor Use	Non-explosion proof	Intended for outdoor use primarily to provide a degree of protection against rain, sleet; and damage from external ice formation, and must have a drain hole
3S	Outdoor Use	Non-explosion proof	Intended for outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust; and to provide for operation of external mechanisms when ice laden
4	Indoor/Outdoor Use	Non-explosion proof	Intended for indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose directed water; and damage from external ice formation
4X		Non-explosion proof	Intended for indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose directed water; and damage from external ice formation
5	Indoor Use	Non-explosion proof	Intended for indoor use primary to provide
6	Indoor/Outdoor Use	Non-explosion proof	Intended for indoor or outdoor use primarily to provide a degree of protection against hose directed water, the entry of water during occasional temporary submersion at a limited depth; and damage from external ice formation
6P		Non-explosion proof	Intended for indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during prolonged submersion at a limited depth; and damage from external ice formation
7	Outdoor Use	Explosion proof	Intended for indoor use in locations classified as Class I, Groups A, B, C, or D, as defined in the NEC
8	Indoor/Outdoor Use	Explosion proof	Intended indoor or outdoor use in locations classified as Class I, Groups A, B, C, or D, as defined in the NEC
9	Indoor Use	Explosion proof	Intended for indoor use in locations classified as Class II, Groups E, F, and G, as defined in the NEC
10	Indoor/Outdoor Use	Explosion proof	Are constructed to meet the applicable requirements of the Mine Safety and Health Administration (MSHA)
11	Indoor Use	Non-explosion proof	Protection from the corrosive effects of liquids and gases by oil immersion
12	Indoor Use	Non-explosion proof	Intended for indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping non-corrosive liquids
12K	Indoor Use	Non-explosion proof	Intended knockouts are intended for indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping non corrosive liquids
13	Indoor Use	Non-explosion proof	Intended for indoor use primarily to provide a degree of protection against dust, spraying of water, oil, and non-corrosive coolant

NEMA Ratings and IP Ratings Equivalency Chart

The chart below is for comparison between two enclosure ratings It is only for reference and these two rating standards are not exactly converted

NEMA ENCLOSURE TYPE	IP ENCLOSURE TYPE
1	IP20
2	IP22
3	IP55
4	IP66
4X	IP66
6	IP67
12	IP54
13	IP54

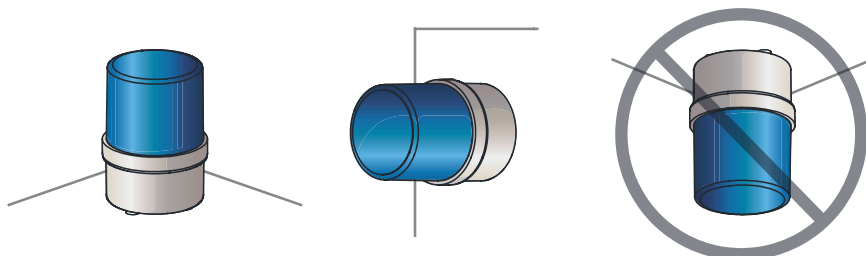
PRODUCT INSTALLATION DIRECTION



Install the product in accordance with the manual. Otherwise, rainwater or moisture may penetrate into the product.

• BEACON/SIGNALING LIGHT

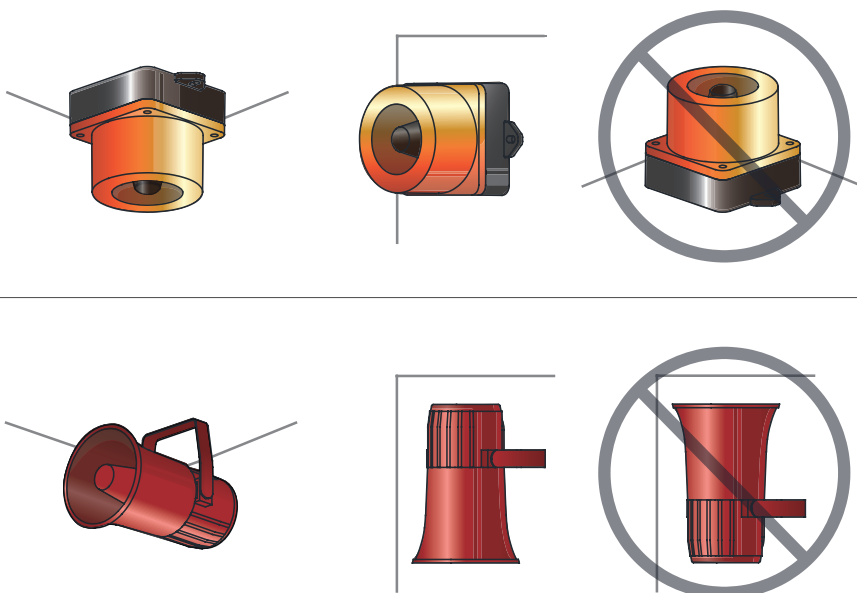
Power cord inlet part shall not be facing the sky.



※ For products with a protection rating of less than IPX4, please install it vertically.

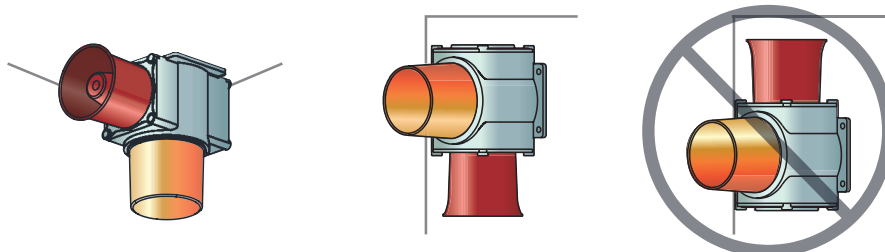
• ELECTRONIC SOUNDER /SIGNAL HORN

Sounder part shall not be facing the sky.



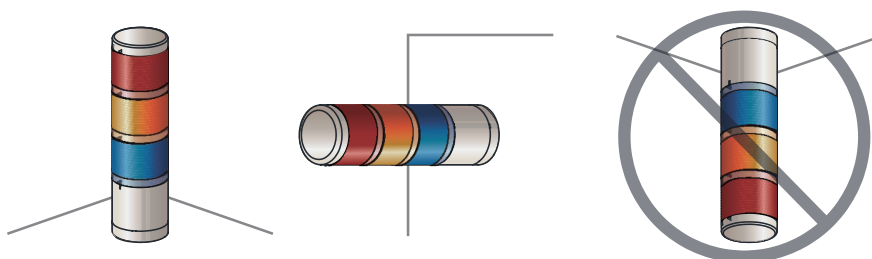
• **HEAVY-DUTY & EXPLOSION
PROOF SIGNALINGS**

Sounder part shall not be facing the sky.



• **SIGNAL TOWER LIGHTS**

Power cord inlet part shall not be facing the sky.



※ For products with a protection rating of less than IPX4, please install it vertically.

Pre-recorded Sound Tone and Sound Combination Chart

The combination of sounds(General)

17 pre-recorded sound tones for standard type products

Sound Number	Sound Tone	Sound Number	Sound Tone
SND01	Fire.A-ANG	SND10	Cuckoo's Waltz
SND02	Emergency WA-U(Yelp)	SND11	Piano Sonata
SND03	Ambulance PI-PO(Hi-low)	SND12	Turkish March
SND04	Abandon Alarm	SND13	Beep Intermittent
SND05	Machinery Fault	SND14	Door Chime
SND06	High Expansion	SND15	Phone Ring
SND07	7 Short PI./1 Long	SND16	PI.PI.PI Short
SND08	Sweet Home	SND17	Tripping Beat
SND09	For Elise		

• Standard sound combination for WS/WP/WM/WA type products

ON = 1/OFF = 0

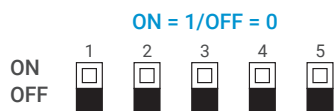
ON OFF 

17 sounds per combination can be selected according to your preference.4 combinations are available.

No.	1	2	3	Ch1	Ch2	Ch3	Ch4	Ch5
0	0	0	0	No sound				
1	0	0	1	SND01 Fire.A-ANG	SND02 Emergency WA-U	SND03 Ambulance PI-PO	SND05 Machinery Fault	SND06 High Expansion
2	0	1	0	SND01 Fire.A-ANG	SND04 Abandon Alarm	SND05 Machinery Fault	SND06 High Expansion	SND07 7 Short PI./1 Long
3	0	1	1	SND08 Sweet Home	SND09 For Elise	SND10 Cuckoo's Waltz	SND11 Piano Sonata	SND12 Turkish March
4	1	0	0	SND13 Beep Intermittent	SND14 Door Chime	SND15 Phone Ring	SND16 PI.PI.PI Short	SND17 Tripping Beat

※ You can select sound tones using the 3P switches located on the circuit board of the WS/WP/WM/WA Type products.

Sound tone combinations for standard type products



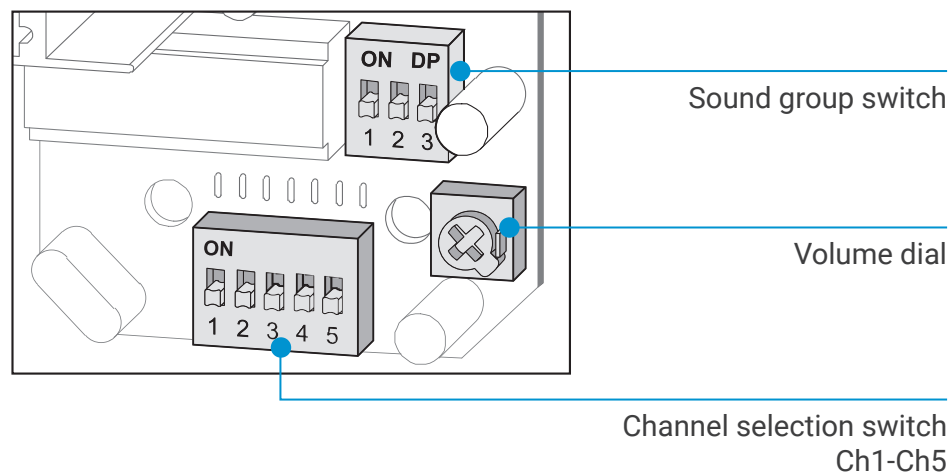
- 5 types of sounds (5 warning sounds (WS), 5 special warning sounds (WP), 5 melodies (WM), 5 alarms (WA), and 5 voice signals (WV) can be selected and played individually.
- The signal wire lead-out type product replaces the channel selection switch with external wiring.

Sound Category		Channel	Sound Tone	Sound Combination #
WS	5 warning sounds	Ch1	Fire.A-ANG	WS/WP/WM/WA No.1
		Ch2	Emergency WA-U(Yelp)	
		Ch3	Ambulance PI-PO(Hi-low)	
		Ch4	Machinery Fault	
		Ch5	High Expansion	
WP	5 special warning sounds	Ch1	Fire.A-ANG	WS/WP/WM/WA No.2
		Ch2	Abandon Alarm	
		Ch3	Machinery Fault	
		Ch4	High Expansion	
		Ch5	7 Short PI./1 Long	
WM	5 melodies	Ch1	Sweet Home	WS/WP/WM/WA No.3
		Ch2	For Elise	
		Ch3	Cuckoo's Waltz	
		Ch4	Piano Sonata	
		Ch5	Turkish March	
WA	5 alarms	Ch1	Beep Intermittent	WS/WP/WM/WA No.4
		Ch2	Door Chime	
		Ch3	Phone Ring	
		Ch4	PI.PI.PI Short	
		Ch5	Tripping Beat	
WV	5 customizable sound	Ch1	1. Voice messages are pre-recorded and provided from factory upon user's request	-
		Ch2	2. Each channel has recording space for 16 sec	
		Ch3	3. 5 channels available	
		Ch4	4. When only one channel is used, maximum recordable space is 80 sec	
		Ch5		

※ Please refer to [Pre-recorded Sound Tone and Sound Combination Chart] for detailed information about selectable sound patterns.

※ In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.

Sound Selection of Signal Sounds



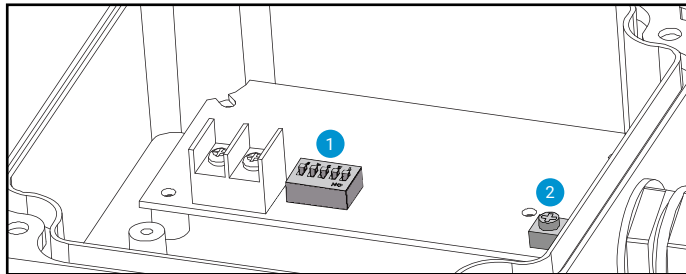
- Standard specification : Use internal switches Turn on dip switches of each channel, designated sound will be played.

Special Alarm Type Feature

How to set-up the special alarm type products

- Special alarm type products are classified into two models; basic model with special alarm and SD card (MP3) model.
- The 2 models have 31 built-in sounds, which can be chosen and played by binary input method.
- When storing MP3 files on the SD card (MP3) type models, you can select and play up to 31 sounds by using the binary input method. The bit input method can play 5 sound from #1 to #5, depending on the specifications given in the file name(For file specifications refer to Page30.)
- Includes eight play mode settings. For example, when the continuous playback setting/function is selected the warning message is played continuously for conditions that require frequent playback.

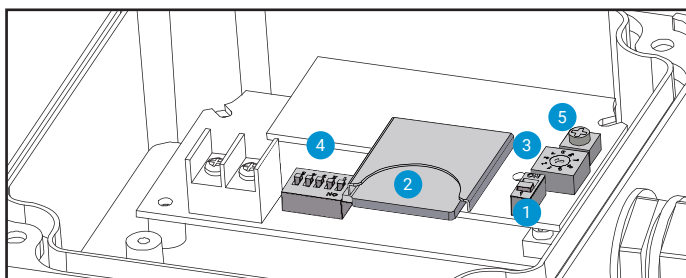
Built-in sound type model



- ① Sound selection switch
- ② Volume

*Built-in sound type model can select and play 31 sounds by using the sound selection switch.

SD card(MP3) type product feature



- ① Sound setting switch
- ② MP3 playable SD Card slot
- ③ Play mode setting switch
- ④ Sound selection switch
- ⑤ Volume

SD card(MP3) type product feature

1 SOUND setting switch

- If the switch is ON the SD card (MP3) will be played, and if the switch is OFF the built-in sounds will be played.

2 SD cards

- The SD card is a compact flash memory card for storing MP3 files.
- After saving the MP3 files in the SD card with the specified format, insert the card into the SD card slot and switch the sound setting switch to ON so the sounds can be played from the SD card.

3 PLAY MODE setting switch

- PLAY MODE setting switch is used to choose the channel input method or select various playing modes. Refer to the table below for switch features.
- Switch #0 and #9 is not used.

1	Bit Input Mode	5 sounds can be played from the selected group (choose one group from six groups) Play sound only once (if using sequential signal input or pulse signal input)
2	Binary Input Mode	Up to 31 sounds available for each model. Plays sound only once (sequential signal input only)
3	Bit Input Hold Playback Mode	5 sounds can be played from the selected group (choose one group from six groups) The sound is repeated if the input signal is maintained. (sequential signal input only) If the STOP signal is inputted, the sound is turned off, and if the STOP signal is disabled the sound is played repeatedly
4	Binary Input Hold Playback Mode	Up to 31 sounds available for each model The sound is repeated if the input signal is maintained. (sequential signal input only) If the STOP signal is inputted, the sound is turned off, and if the STOP signal is disabled the sound is played repeatedly
5	Bit Input Sound Reduction Mode	5 sounds can be played from the selected group (choose one group from six groups) You can reduce the volume(15dB) by using a separate volume reduction signal line (same as volume reduction signal input)
6	Binary Input Sound Reduction Mode	Up to 31 sounds available for each model You can reduce the volume(15dB) by using a separate volume reduction signal line (same as volume reduction signal input)
7	Bit Input Sequence Memory Playback Mode	5 sounds can be played from the selected group (choose one group from six groups) If the sound is inputted in a order, it will remember the order and play each sound about 3 seconds. The last input channel is fully played (bit input mode only)
8	Test Mode	In test mode, Ch1 of group is automatically played back repeatedly. To end the test mode, switch back to the other modes.

4 Channel selection switch

- By using 5 channel selection switches, one can choose the appropriate sound source depending on the Binary input and Bit input.

5 VOLUME

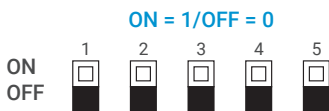
- You can adjust the speakers sound output by using the volume dial.

Sound Pattern and Combination for Special Alarm Type

Sound pattern for special alarm type

- Special alarm type product has 31 pre-recorded sound tones.
- Supports binary input mode. 5ch switch allows for 31 sound tones.

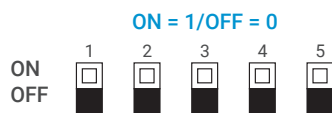
• Composition of binary input mode



- Left channel switch allows for choosing 31 sound tones.
- Channel switch will be substituted for an external wiring in case of LC type products.

No.	1	2	3	4	5	Sound tone	Frequency
0	0	0	0	0	0	No sound	
1	0	0	0	0	1	Rel rel rel	730Hz-920Hz
2	0	0	0	1	0	Slow Ambulance PI-PO	820Hz-1.05kHz
3	0	0	0	1	1	Oit Oit warning sound	360Hz-1.56kHz
4	0	0	1	0	0	Emergency(Siren)	770Hz-1.2kHz
5	0	0	1	0	1	Pi- buzzer	770Hz
6	0	0	1	1	0	7 Short Pl. / 1 Long	715Hz
7	0	0	1	1	1	Pi o Pi o	470Hz-1.14KHz
8	0	1	0	0	0	Phone Ring	740Hz-910Hz
9	0	1	0	0	1	Pi- buzzer	594Hz
10	0	1	0	1	0	Pi pi pi short	420Hz
11	0	1	0	1	1	Di o Di o 2 tones buzzer	594Hz-2.19KHz
12	0	1	1	0	0	Oit Oit warning sound	500Hz-1.11kHz
13	0	1	1	0	1	Slow Ambulance PI-PO	360Hz-470Hz
14	0	1	1	1	0	Slow Di o Di o	680Hz-840Hz
15	0	1	1	1	1	Fast Li o li o	360Hz-470Hz

• Composition of binary input mode



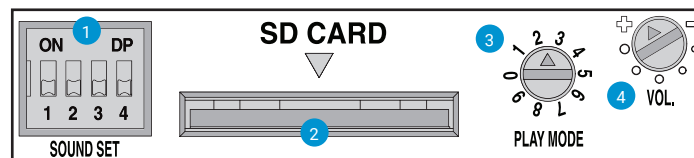
- Left channel switch allows for choosing 31 sound tones.
- Channel switch will be substituted for an external wiring in case of LC type products.

No.	1	2	3	4	5	Sound tone	Frequency
16	1	0	0	0	0	Fire.A-ANG	770Hz-1.11kHz
17	1	0	0	0	1	Fast Ambulance PI-PO	680Hz-840Hz
18	1	0	0	1	0	Slow Ambulance PI-PO	640Hz-840Hz
19	1	0	0	1	1	Ri ro ri ro warning sound	430Hz-470Hz
20	1	0	1	0	0	Repeat Di-o 3 times	680Hz-840Hz
21	1	0	1	0	1	Fire.A-ANG	430Hz-1.2KHz
22	1	0	1	1	0	Ambulance PI-PO	680Hz-840Hz
23	1	0	1	1	1	Slow Fire.A-ANG	480Hz-1.14kHz
24	1	1	0	0	0	Pi-pi- buzzer low frequency	700Hz
25	1	1	0	0	1	Pi-pi- buzzer high frequency	940Hz
26	1	1	0	1	0	Di-di- buzzer high frequency	800Hz
27	1	1	0	1	1	Di-di- buzzer low frequency	500Hz
28	1	1	1	0	0	Rising Po-ong	470Hz-1.11KHz
29	1	1	1	0	1	Fast Ambulance PI-PO	820Hz-1.05KHz
30	1	1	1	1	0	Rising frequency	150Hz-1kHz
31	1	1	1	1	1	Repeat A-ANG	1.4kHz-1.56kHz

How to set up the multifunctional products(MP3)

- Multifunctional type products can play MP3 sounds by using an SD card and can also play WS (5 Warning sounds), WP (5 special warning sounds 1st Group), WM (5 Melodies), WA (5 Alarms), WO (5 special warning sounds 2nd Group), and WN (5 special warning sounds 3rd Group) when not using a SD card.
- Includes seven different functions. For example, it is able to playback the message continuously with the continuous playback function for warning message that needs to be repeated often.
- Among multifunctional products, the built-in sound model (-N) does not support SD card nor play mode.

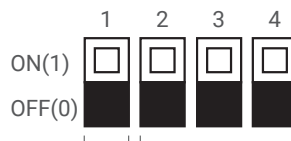
FUNCTION SETTING



- 1 Sound setting switch
- 2 MP3 playable SD Card slot
- 3 Play mode setting switch
- 4 Volume

1 Sound setting switch

- SD card type unit
- It can choose both built-in sounds and user defined sounds(MP3) by controlling sound setup switch no. 1.
- Standard unit
- It can choose both Bit input mode and Binary input mode by controlling sound setup switch no. 1.



Sound Selection

- 0: Built-in sound
- 1: SD Card(MP3)

Standard unit(Built-in sound only)

- 0:Bit input(Can choose 5 channels per group)
- 1:Binary(Can choose 30 channels)

Bit input mode selection from 6 groups

- 001: WS(5 Warning sounds)
- 010: WP(5 Special warning sounds 1st group)
- 011: WM(5 Melodies)
- 100: WA(5 Alarms)
- 101: WO(5 Special warning sounds 2nd group)
- 110: WN(5 Special warning sounds 3rd group)

- 30 pre-recorded sounds offered(5 warning sounds, 5 special warning sounds 1st group, 5 melodies, 5 alarms, 5 special warning sounds 2nd group, 5 special warning sounds 3rd group)
- External MP3 sound support(SD card)
- Binary input: 30 channels
- Bit input: 5 channels(6 sound groups)
- A multi-functional product that can use an SD card for MP3 playback
- Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting.

2 SD cards

- The SD card is a compact flash memory card for storing MP3 files.
- After saving the MP3 files in the SD card with the specified format, insert the card into the SD card slot and switch the sound setting switch to ON so the sounds can be played from the SD card.

3 PLAY MODE setting switch

- PLAY MODE setting switch is used to choose the channel input method or select various playing modes. Refer to the table below for switch features.
- Switch #0 and #9 is not used.

1	Bit Input Mode	5 sounds can be played from the selected group (choose one group from six groups) Play sound only once (if using sequential signal input or pulse signal input)
2	Binary Input Mode	Up to 31 sounds available for each model. Plays sound only once (sequential signal input only)
3	Bit Input Hold Playback Mode	5 sounds can be played from the selected group (choose one group from six groups) The sound is repeated if the input signal is maintained. (sequential signal input only) If the STOP signal is inputted, the sound is turned off, and if the STOP signal is disabled the sound is played repeatedly
4	Binary Input Hold Playback Mode	Up to 31 sounds available for each model The sound is repeated if the input signal is maintained. (sequential signal input only) If the STOP signal is inputted, the sound is turned off, and if the STOP signal is disabled the sound is played repeatedly
5	Bit Input Sound Reduction Mode	5 sounds can be played from the selected group (choose one group from six groups) You can reduce the volume(15dB) by using a separate volume reduction signal line (same as volume reduction signal input)
6	Binary Input Sound Reduction Mode	Up to 31 sounds available for each model You can reduce the volume(15dB) by using a separate volume reduction signal line (same as volume reduction signal input)
7	Bit Input Sequence Memory Playback Mode	5 sounds can be played from the selected group (choose one group from six groups) If the sound is inputted in a order, it will remember the order and play each sound about 3 seconds. The last input channel is fully played (bit input mode only)
8	Test Mode	In test mode, Ch1 of group is automatically played back repeatedly. To end the test mode, switch back to the other modes.

4 VOLUME

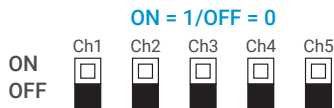
- You can adjust the speakers sound output by using the volume dial.

Multifunctional Type Feature

Sound patterns for multifunctional products

- Multifunctional product has 30 pre-recorded sound tones.
- 30 sound tones in binary input mode supported. Bit input mode has 5 sound tones within 1 group among 6 groups.

· Bit input mode's sound tone combinations

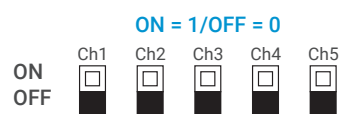


- Left channel switch allows to select 5 tons individually within designated group.
(For group selection, please refer to page 28 "How to set-up the multifunctional products")
- Channel switch will be substituted for external wiring in case of LC type products.

Sound	Ch	Sound Tone
WS 5 Warning Sounds	Ch1	Fire.A-ANG(560Hz-1.5kHz)
	Ch2	Emergency WA-U(Yelp)(600Hz-1.5kHz)
	Ch3	Ambulance PI-PO(Hi-How)(450Hz-900Hz)
	Ch4	Machinery Fault(820Hz)
	Ch5	High Expansion(1kHz)
WP 5 Special Warning Sounds (1st Group)	Ch1	Fire.A-ANG(560Hz-1.5kHz)
	Ch2	Abandon Alarm(820Hz)
	Ch3	Machinery Fault(820Hz)
	Ch4	High Expansion(1kHz)
	Ch5	7 Short PI. / 1 Long(1kHz)
WM 5 Melodies	Ch1	Sweet Home
	Ch2	For Elise
	Ch3	Cuckoo's Waltz
	Ch4	Piano Sonata
	Ch5	Turkish March

Sound	Ch	Sound Tone
WA 5 Alarms	Ch1	Beep Intermittent
	Ch2	Door Chime
	Ch3	Phone Ring
	Ch4	PI.PI.PI Short
	Ch5	Tripping Beat
WO 5 Special Warning Sounds (2nd Group)	Ch1	Rel rel rel(730Hz-920Hz)
	Ch2	Slow Ambulance PI-PO(820Hz-1.05kHz)
	Ch3	Wye yong Wye yong(770Hz-1.2kHz)
	Ch4	Phone ring 2(740Hz-910Hz)
	Ch5	Fire.A-ANG(770Hz-1.11kHz)
WN 5 Special Warning Sounds (3rd Group)	Ch1	Oit Oit(500Hz-1.11kHz)
	Ch2	Pi o Pi o(940Hz-2.19kHz)
	Ch3	Slow Di o Di o(680Hz-840Hz)
	Ch4	Li long Li ling(420Hz-470Hz)
	Ch5	911 Siren(150Hz-1kHz)

• Bit input mode's sound tone combinations



• Left channel switch allows the user to select from 30 available sound tones.

• Channel switch will be substituted for external wiring in case of LC type products.

No.	1	2	3	4	5	Sound tone	Frequency
0	0	0	0	0	0	No sound	
1	0	0	0	0	1	Fire.A-ANG	560Hz-1.5kHz
2	0	0	0	1	0	Emergency WA-U(Yelp)	600Hz-1.5kHz
3	0	0	0	1	1	Ambulance PI-PO(Hi-low)	450Hz-900Hz
4	0	0	1	0	0	Pi-ik Pi-ik	820Hz
5	0	0	1	0	1	Machinery Fault	820Hz
6	0	0	1	1	0	High Expansion	1kHz
7	0	0	1	1	1	Alarm	1kHz
8	0	1	0	0	0	Sweet Home	-
9	0	1	0	0	1	For Elise	-
10	0	1	0	1	0	Cuckoo's Waltz	-
11	0	1	0	1	1	Piano Sonata	-
12	0	1	1	0	0	Turkish March	-
13	0	1	1	0	1	Magic Flute	-
14	0	1	1	1	0	Badinerie	-
15	0	1	1	1	1	Pineapple Rag	-
16	1	0	0	0	0	Beep Intermittent	-
17	1	0	0	0	1	Door Chime	-
18	1	0	0	1	0	Phone Ring	-
19	1	0	0	1	1	PI.PI.PI Short	-
20	1	0	1	0	0	Tripping Beat	-
21	1	0	1	0	1	Rel rel rel	730Hz-920Hz
22	1	0	1	1	0	Slow Ambulance PI-PO	820Hz-1.05kHz
23	1	0	1	1	1	Wye yong Wye yong	770Hz-1.2kHz
24	1	1	0	0	0	Phone ring 2	740Hz-910Hz
25	1	1	0	0	1	Fire.A-ANG	770Hz-1.11kHz
26	1	1	0	1	0	Oit Oit	500Hz-1.11kHz
27	1	1	0	1	1	Pi o Pi o	940Hz-2.19kHz
28	1	1	1	0	0	Slow Di o Di o	680Hz-840Hz
29	1	1	1	0	1	Li long Li ling	420Hz-470Hz
30	1	1	1	1	0	911 Siren	150Hz-1kHz

How to Use a MP3 Type Product

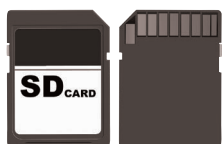
MP3-type models have 30 or 31 built-in alarm sounds and the users can play their voice messages or music files(MP3). You can choose two methods for playing up to 31 sounds with the binary input method. While the bit input method can only play 5 sounds from #1 to #5.

• What is a MP3?

- MP3 is a audio compression technology(Audio layer-3) design by MPEG (Motion Picture Experts Group) MP3 (MPEG-1 Audio Layer-3) is a standard technology and format for compressing a sound sequence into a very small file while preserving the original level of sound quality when it is played.
- Extension of the MP3 file can be found as "*.mp3", and any voice message, alarm message, and music can be played and saved as MP3 files.

• What is a SD card?

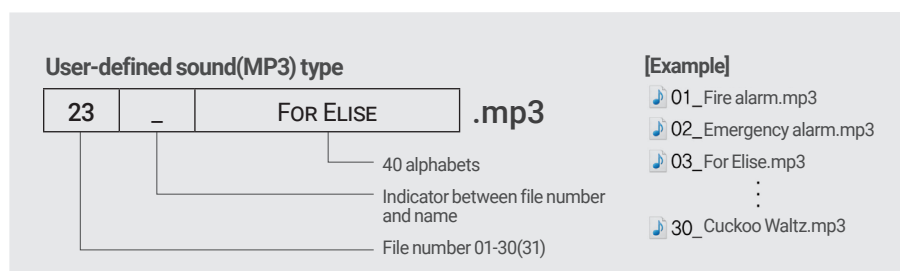
SD memory card is a compact flash memory card for storing various data such as MP3s or document files, Models with MP3 features can save voice messages or alarm messages in the SD card.



- Use standard SD card.
- Mini SD or Micro SD also can be used with adaptor.
- SD(FAT16), SDHC(FAT32) type supported
- Storage capacity : Max.32GB
- The SD card speed is compatible with the following classes : C2, C4, C6, C10, U1, V6, and V10.
- ※ The maximum speed supported is 10MB/s.

• Saving a MP3 file

- MP3 file can be saved and played in accordance with the standards specified by filename.
- Using binary input method according to the specifications given in the file name, a SD card which is used in special alarm type models(MP3) can save up to 31 sounds, multifunctional type models can save and play up to 30 sounds.
- Using bit input method according to the specifications given in the file name, you can select and play up to five sounds from the MP3 file.



• **Binary input and Bit input method**

Special alarm type models and multifunctional type models are divided into binary input method or Bit input method depending on the source selection method.

Binary input

You can only show 2 numbers with 1 switch "0", "1". With 5 switches you can have 31 combinations. Selecting one sound from 5 switches is the binary input method.

ON = 1/OFF = 0

ON
OFF

1
2
3
4
5

No.	1	2	3	4	5
0	0	0	0	0	0
1	0	0	0	0	1
2	0	0	0	1	0
:	:	:	:	:	:
31	1	1	1	1	1

Bit input

The Bit input method only recognizes one of the 5 switches at a time. This method doesn't support two inputs at once. The number of combinations is small, but it is much more convenient to remember the channel number.

ON⁽¹⁾
OFF⁽⁰⁾

1
2
3
4
5

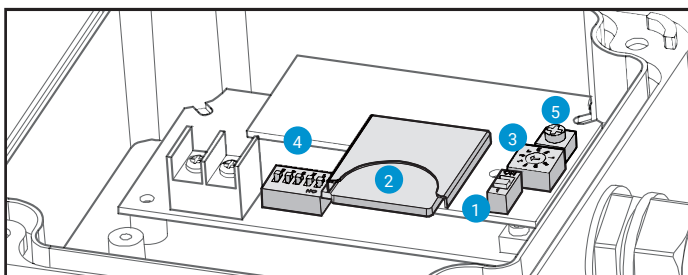
Ch1
Ch2
Ch3
Ch4
Ch5

How to Use a MP3 Type Product

MP3 supported model basic description

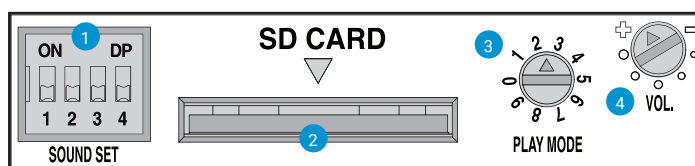
- MP3 supported products can play 30-31 built-in sounds or MP3 files saved in an SD card.
- Binary input method can play up to 30 - 31 sounds, and Bit input method can play 5 sounds in accordance with the standards specified by filename.
- Can choose and play 5 sounds from #1 to #5.
- The volume of our product when playing MP3 files was measured based on "x" dB/1KHz sine wave playback, and volume deviation may occur depending on the type of sound source used by the customer.

Switch select type



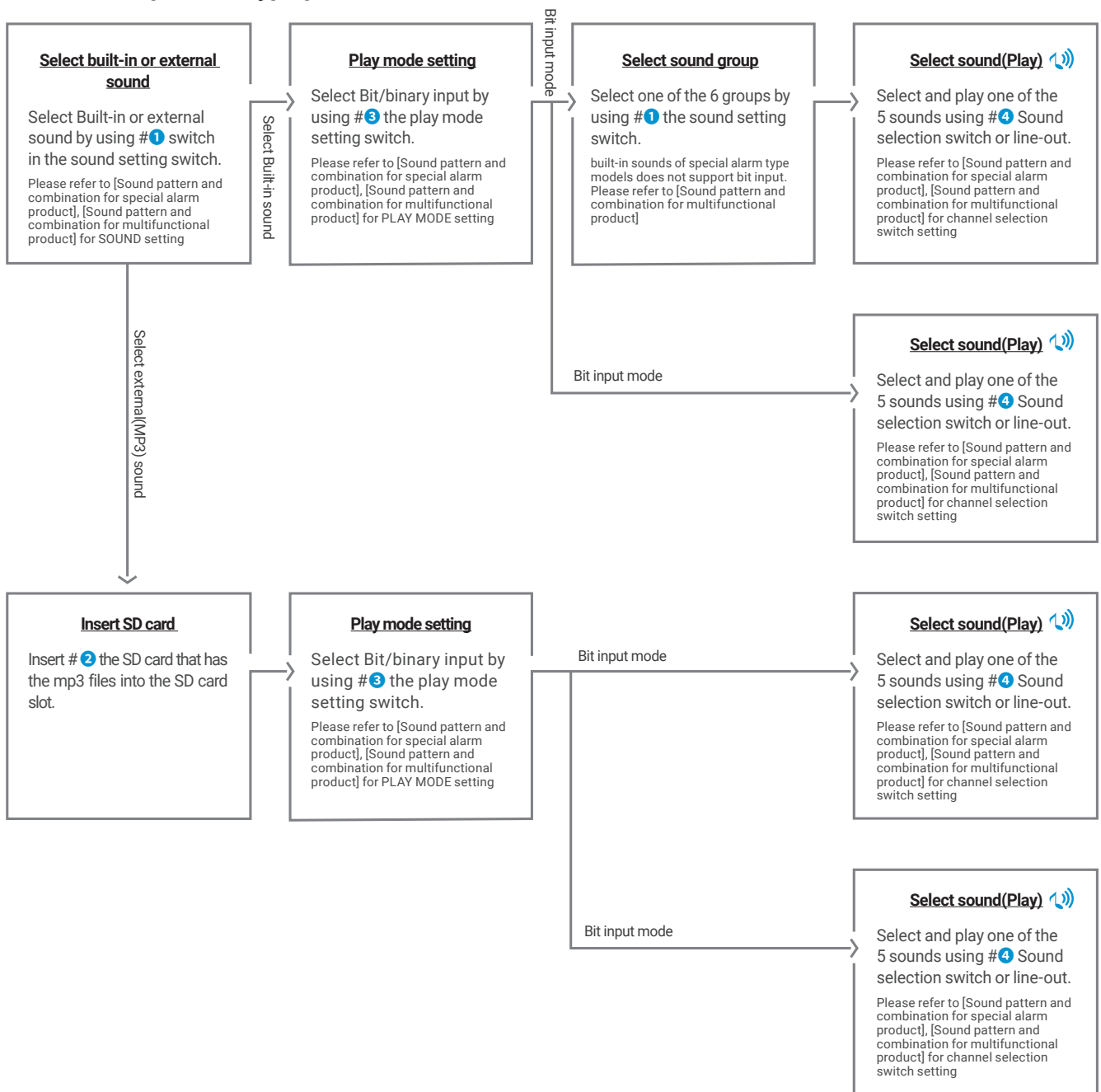
- 1 Sound setting switch
- 2 MP3 playable SD Card slot
- 3 Play mode setting switch
- 4 Sound selection switch
- 5 Volume

Line-out type



- 1 Sound setting switch
- 2 MP3 playable SD Card slot
- 3 Play mode setting switch
- 4 Volume

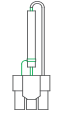
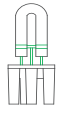
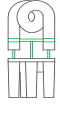
How to set-up a MP3 type product



Bulb Specification

The table below summarizes bulb specifications that are equipped with Qlight's products. Please carefully review the bulb specification in case bulb replacement is needed. Otherwise it may cause part malfunction.

Layout	Part#	Feature	Spec	Voltage	Current	Product
	1	14V / 5W	G14 9S	12V	0.357A	S50, ST45
	2	27V / 5W	G14 9S	24V	0.185A	
	3	120V / 5W	T16 x 28 9S	110V	0.042A	S50, ST45
	4	240V / 5W	T16 x 28 9S	220V	0.021A	
	5	12V / 5W	T16 x 35 15S	12V	0.417A	S60, S80, SR SJ, SJD
	6	24V / 5W	T16 x 35 15S	24V	0.208A	
	7	120V / 5W	T16 x 35 15D	110V	0.042A	S60
	8	240V / 5W	T16 x 35 15D	220V	0.021A	
	9	12V / 10W	T16 x 35 15S	12V	0.833A	S100, S125 SE ST56, ST80
	10	24V / 10W	T16 x 35 15S	24V	0.417A	
	11	48V / 10W	T16 x 35 15S	48V	0.208A	
	12	120V / 10W	T16 x 35 15S	110V	0.083A	S100, S125 ST56, ST80
	13	240V / 10W	T16 x 35 15S	220V	0.042A	
	14	48V / 10W	T16 x 35 15D	48V	0.208A	
	15	120V / 10W	T16 x 35 15D	110V	0.083A	
	16	240V / 10W	T16 x 35 15D	220V	0.042A	
	17	12V / 15W	G23 15S	12V	1.250A	SK, S150, SH1, SH2, SED SD, SHD, SHD2 SMD, SESA, SEBA, SEA
	18	24V / 15W	G23 15S	24V	0.625A	
	19	48V / 15W	G23 15S	48V	0.313A	
	20	120V / 15W	G23 15S	110V	0.125A	
	21	240V / 15W	G23 15S	220V	0.063A	
	22	120V / 15W	G23 15D	110V	0.125A	S150, SH1, SH2, SED SD, SHD, SHD2 SMD, SESA, SEBA, SEA
	23	240V / 15W	G23 15D	220V	0.063A	
	24	12V / 23W	S25 15S	12V	1.916A	S150, SH2, SD, SMD SESA, SEBA, SEA
	25	24V / 23W	S25 15S	24V	0.958A	
	26	48V / 25W	T23 x 62 15D	48V	0.521A	S150, SH2, SD, SMD SESA, SEBA, SEA
	27	120V / 25W	T23 x 62 15D	110V	0.208A	
	28	240V / 25W	T23 x 62 15D	220V	0.104A	
	29	12V / 35W	RP35 15S	12V	2.917A	S180
	30	24V / 35W	RP35 15S	24V	1.458A	

Layout	Part#	Feature	Spec	Voltage	Current	Product
	31	120V / 35W	RP35 15D	110V	0.292A	S180
	32	240V / 35W	RP35 15D	220V	0.146A	
	33	110V / 60W	E26 ES	110V	0.545A	S150, SH2, SD, SMD SESA, SE, SEBA, SEA
	34	220V / 60W	E26 ES	220V	0.272A	
	35	12V / 30W	A60 E26	12V	2.500A	S150, SH2 SD, SMD
	36	24V / 60W	A60 E26	220V	2.500A	
	37	110V / 60W	A60 E26	110V	0.545A	S150, SH2 SD, SMD
	38	220V / 60W	A60 E26	220V	0.272A	
	39	12V / 35W	15S Halogen	12V	2.917A	SKH
	40	24V / 35W	15S Halogen	24V	1.458A	
	41	110V / 35W	15D Halogen	110V	0.318A	S150, SH2, SD, SMD SESA, SE, SEBA, SEA
	42	220V / 35W	15D Halogen	220V	0.159A	
	43	12V / 55W	15D Halogen	12V	4.583A	S150, SH2, SD, SMD SESA, SE, SEBA, SEA
	44	24V / 55W	15D Halogen	24V	2.292A	
	45	120V / 55W	15D Halogen	110V	0.458A	S150, SH2, SD, SMD SESA, SE, SEBA, SEA
	46	240V / 55W	15D Halogen	220V	0.229A	
	47	220V-350V	BGA2120 -BBC I Type xenon lamp		4W	S80S, S80AS SNE-S, SNES-S, SE-S
	48	200V-550V	EUB0641 -1A(G) U Type xenon lamp		6W	S100S, S125S, S150US SJS, SJSP SH1S, SH2S SEDS, SDS, SMDS SHDS, SHD2S SCDWS, SCDFS SESAS, SEBAS, SEAS
	49	280V-400V	BH0647(G) W Type xenon lamp		16W	S180US, S180UHS

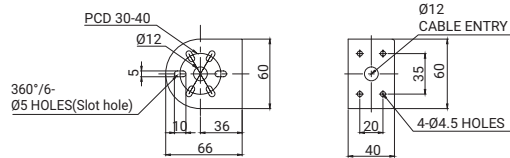
Warning/Signal Light Mounting Brackets

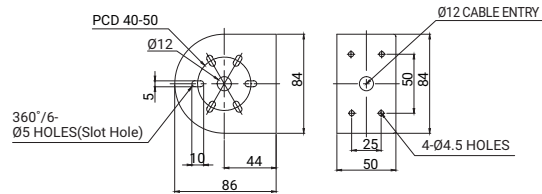
User can select from a variety of bracket options depending on their application conditions.

Units: mm

• TWS45 | TWS80

Bracket options for direct mount warning/signal light installation.
Material: Steel
Color: Silver, Ivory

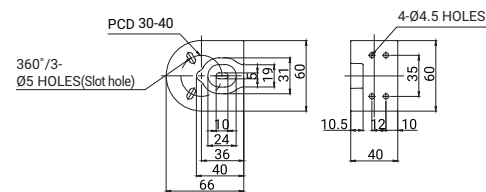
Product Image	Technical Diagram for Applicable Models
	
TWS45	S50 Series, S60 Series, MFL60, QMCL60, Q60L

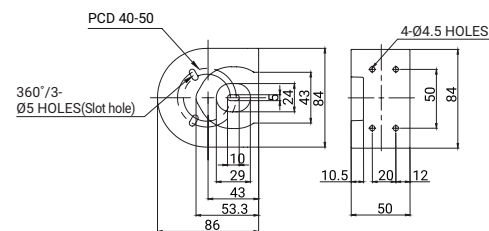
	
TWS80	S80 Series, S80SOL, MFL80, SMCL80, QMCL80, Q80L

• TWA45 | TWA80

Bracket options for direct mount warning/signal light installation.
Bracket structure allows for contained and tidy wiring with no exposed wires.

Material: PC
Color: Black, Ivory

Product Image	Technical Diagram for Applicable Models
	
TWA45	S50 Series, S60 Series, MFL60, QMCL60, Q60L

	
TWA80	S80 Series, S80SOL, MFL80, SMCL80, QMCL80, Q80L

Warning/Signal Light Mounting Brackets

Units: mm

• SWP125

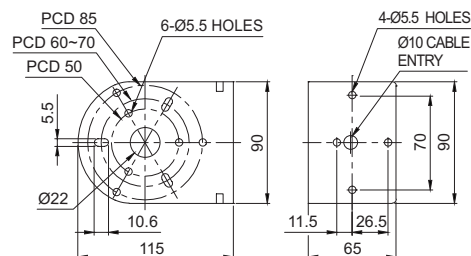
Bracket options for direct mount warning/signal light installation.

Material: Steel
Color: Silver, Ivory



Product Image

Technical Diagram for Applicable Models



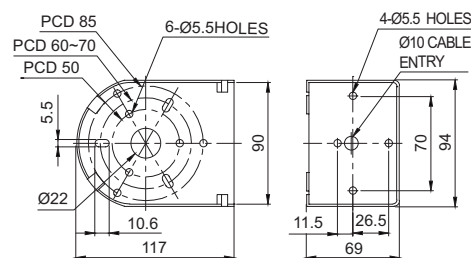
SWP125

S100 Series, S125 Series, STD Series, STND Series,
STND100 / STND125 Series, QMCL100 / QMCL125, Q100L, Q125L

• SWM125

Bracket options for direct mount warning/signal light installation Bracket structure allows for contained and tidy wiring with no exposed wires.

Material: PC
Color: Ivory



SWM125

S100 Series, S125 Series, STD Series, STND Series,
STND100 / STND125 Series, QMCL100 / QMCL125, Q100L, Q125L

※ For detailed specifications of the pole type mounting bracket for the Q Series, SJ Series, SR Series, S80 Series, and MFL Series, please visit our website. Please refer to the [Tower Light Mounting Bracket] in this catalog.

Icon Description

This catalogue helps users quickly identify the product's specifications and features by using several types of icons. If you understand the concept for each icon, you will find it easy to understand the catalogue information.

Light Source and Operating Mode Icons

Icon	Operating Mode	Icon	Operating Mode
	Bulb steady type		Bulb steady/flashing type
	Bulb revolving type		LED revolving type
	LED steady type		LED steady/flashing type
	LED simulated revolving type		LED strobe type
	Xenon lamp strobe type		

Acoustic Signal Icons

Icon	Siren	Icon	Siren
	Buzzer		Speaker
	Horn		Bell
	Motor siren		MP3
	Volume(dB)		

Specifications Icons

Icon	Specification	Icon	Specification
	Magnet type		Ambient operating temperature
	NPN type transistor		PNP type transistor
	IP rating		Wireless Network
	RoHS		

Warning, Signal, Stackable



References

P. 34

Product specifications

P. 41

Specification List for Revolving Warning, Signal Lights

LED Revolving Warning Lights



Model number	S60LR	S80DR	S80LR	S80DRK	S80LRK	S80ADR	S80ALR
Voltage	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V
Dimension (mm)							
Outdia	Ø70	Ø83	Ø83	Ø84	Ø84	Ø83	Ø83
Height	121	131	133	153	155	125	127
Depth	-	-	-	-	-	113	113
Volume	-	Max.90dB at 1m	Max.90dB at 1m	-	-	Max.90dB at 1m	Max.90dB at 1m
Material	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS
Mounting structure	Self stand	Self stand	Self stand	Mount bracket	Mount bracket	Wall mount	Wall mount
Protection rating	IP44	IP44	IP44	IP44	IP44	IP44	IP44
Mounting location	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use
Mounting direction	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal
Certificates							
Customization	Wall mount	Wall mount, AC dual use specification	Wall mount, AC dual use specification	Pole mount, AC dual use specification	Pole mount, AC dual use specification	-	-
Page	P42	P46	P46	P47	P47	P48	P48



Model number	S100LR	S100MLR	S125LR	S125MLR	SKMPLR	SKLR	SKMLR
Voltage	DC12V, DC24V AC110V, AC220V	DC12V, DC24V	DC12V, DC24V AC110V, AC220V	DC12V, DC24V	DC12V, DC24V	DC12V, DC24V	DC12V, DC24V
Dimension (mm)							
Outdia	Ø101	Ø101	Ø119	Ø119	-	-	-
Height	152	149	158	161	142	135	138
Depth	-	-	-	-	192(Length)	183(Length)	183(Length)
Volume	Max.90dB at 1m	Max.90dB at 1m	Max.90dB at 1m	Max.90dB at 1m	-	-	-
Material	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-PC Housing-PC	Lens-PC Housing-PC	Lens-PC Housing-PC
Mounting structure	Self stand	Detachable magnet	Self stand	Detachable magnet	Detachable magnet	Self stand	Detachable magnet
Protection rating	IP44	IP54	IP44	IP54	IP54	IP54	IP54
Mounting location	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use
Mounting direction	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal
Certificates							
Customization	Wall mount 2 tones buzzer, Dome type lens (S100RLR, S100DR)	AC type	Wall mount 2 tones buzzer, Dome type lens (S125RLR)	AC type	Oval-shaped Rubber Magnet	-	-
Page	P60	P61	P67	P68	P72	P73	P73



Model number	S150ULR	S150ULR-FT
Voltage	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V
Dimension (mm)		
Outdia	Ø138	Ø138
Height	193	196
Depth	-	-
Volume	Max.90dB at 1m	Max.90dB at 1m
Material	Lens-PC Housing-ABS	Lens-PC Housing-ABS
Mounting structure	Self stand	Mount bracket
Protection rating	IP44	IP44
Mounting location	Indoor Use	Indoor Use
Mounting direction	Vertical, Horizontal	Vertical, Horizontal
Certificates		
Customization	2 tones buzzer	2 tones buzzer
Page	P85	P85

Specification List for Revolving Warning, Signal Lights

Bulb Revolving Warning Lights



Model number	S60R	S80R	S80U	S80RK	S80UK	S80AR	S80AU
Voltage	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V
Outdia	Ø70	Ø83	Ø83	Ø84	Ø84	Ø83	Ø83
Height	121	131	133	153	155	125	127
Depth	-	-	-	-	-	113	113
Volume	-	Max.90dB at 1m	Max.90dB at 1m	-	-	Max.90dB at 1m	Max.90dB at 1m
Material	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS
Mounting structure	Self stand	Self stand	Self stand	Mount bracket	Mount bracket	Wall mount	Wall mount
Protection rating	IP44	IP44	IP44	IP44	IP44	IP44	IP44
Mounting location	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use
Mounting direction	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal
Certificates	CE	CE	CE	CE	CE	CE	CE
Customization	Wall mount	Wall mount, AC dual use specification	Wall mount, AC dual use specification	Pole mount, AC dual use specification	Pole mount, AC dual use specification	-	-
Page	P42	P43	P43	P44	P44	P45	P45



Model number	S100R	S100U	S100UA	S100M	S125R	S125U	S125M
Voltage	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V	DC12V, DC24V	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V	DC12V, DC24V
Outdia	Ø101	Ø101	Ø101	Ø101	Ø119	Ø119	Ø119
Height	149	152	155	149	161	158	161
Depth	-	-	-	-	-	-	-
Volume	Max.90dB at 1m	Max.90dB at 1m	Max.90dB at 1m	Max.90dB at 1m	Max.90dB at 1m	Max.90dB at 1m	Max.90dB at 1m
Material	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS
Mounting structure	Self stand	Self stand	Self stand	Detachable magnet	Self stand	Self stand	Detachable magnet
Protection rating	IP44	IP44	IP44	IP54	IP44	IP44	IP54
Mounting location	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use
Mounting direction	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal
Certificates	CE	CE	CE	CE	CE	CE	CE
Customization	Wall mount	Wall mount, 2 tones buzzer, Dome type lens (S100UR)	Wall mount, 2 tones buzzer	AC type	Wall mount	Wall mount, 2 tones buzzer	AC type
Page	P59	P60	P60	P61	P66	P67	P68



Model number	SK / SKH	SKM / SKMH	SKMP / SKMPH	S150U	S150U-FT
Voltage	DC12V, DC24V	DC12V, DC24V	DC12V, DC24V	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V
Outdia	-	-	-	Ø138	Ø138
Height	135	138	142	193	196
Depth	183(Length)	183(Length)	192(Length)	-	-
Volume	-	-	-	Max.90dB at 1m	Max.90dB at 1m
Material	Lens-PC Housing-PC	Lens-PC Housing-PC	Lens-PC Housing-PC	Lens-PC Housing-ABS	Lens-PC Housing-ABS
Mounting structure	Self stand	Detachable magnet	Detachable magnet	Self stand	Mount bracket
Protection rating	IP54	IP54	IP54	IP44	IP44
Mounting location	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use
Mounting direction	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal
Certificates	-	-	-	CE	CE
Customization	-	-	Oval-shaped rubber magnet	2 tones buzzer	2 tones buzzer
Page	P73	P73	P74	P85	P85

Specification List for Revolving Warning, Signal Lights

Bulb Revolving Warning Lights



Model number	S180U	SR	SRP	SJ	SJP
Voltage	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V
Dimension (mm)	Outdia	Ø186	Ø83	Ø83	□ 95 x 95
	Height	216	162-350	363-551	186-378
	Depth				364-556
Volume	Max.90dB at 1m	-	-	Max.90dB at 1m	Max.90dB at 1m
Material	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS
Mounting structure	Self stand	Self stand	Pole mount	Self stand	Pole mount
Protection rating	IP44	IP44	IP44	IP44	IP44
Mounting location	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use
Mounting direction	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal
Certificates	CE	-	-	CE	CE
Customization	2 tones buzzer, Mount hole PCD 120mm	4 layers, Color combination except for standard	4 layers, Color combination except for standard	2 tones buzzer, 4 layers, Color combination except for standard, Strobe type(SJS)	2 tones buzzer, 4 layers, Color combination except for standard, Strobe type(SJSP)
Transistor					
Page	P87	P100	P100	P102	P102

LED Steady/Flashing Signal Lights



Model number	S50L	S60L	S80L	S80LK	S80AL	S100L	S125L
Voltage	DC12V-24V AC110V, AC220V	DC12V-24V AC110V, AC220V	DC12V-24V AC110V, AC220V	DC12V-24V AC110V, AC220V	DC12V-24V AC110V, AC220V	DC12V-24V AC110V, AC220V	DC12V-24V AC110V, AC220V
Dimension (mm)	Outdia	Ø50	Ø70	Ø83	Ø83	Ø83	Ø101
	Height	60	121	133	155	127	152
	Depth	-	-	-	-	113	-
Volume	-	-	Max.90dB at 1m	-	Max.90dB at 1m	Max.90dB at 1m	Max.90dB at 1m
Material	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS
Mounting structure	Self stand	Self stand	Self stand	Mount bracket	Wall mount	Self stand	Self stand
Protection rating	IP44	IP44	IP44	IP44	IP44	IP44	IP44
Mounting location	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use
Mounting direction	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal
Certificates	CE	-	CE	CE	CE	CE	CE
Customization	Wall mount	Wall mount	Wall mount	Pole mount, AC dual use specification	-	Wall mount 2 tones buzzer	Wall mount 2 tones buzzer
Transistor							
Page	P41	P42	P49	P50	P51	P62	P69

Specification List for Revolving Warning, Signal Lights

LED Steady/Flashing Signal Lights/Stackable Lights



Model number	SKTL	SKTLB	SKTLM	SKTLBM	S150UL	S150UL-FT
Voltage	DC12V, DC24V	DC12V, DC24V	DC12V, DC24V	DC12V, DC24V	DC12V-24V AC110V, AC220V	DC12V-24V AC110V, AC220V
Dimension (mm)	Outdia	□ 105 x 105	□ 105 x 105	□ 105 x 105	□ 105 x 105	□ 105 x 105
	Height	88	88	90	90	193
	Depth					
Volume	-	Max.105dB at 1m	-	Max.105dB at 1m	Max.90dB at 1m	Max.90dB at 1m
Material	Lens-PC Housing-PC	Lens-PC Housing-PC	Lens-PC Housing-PC	Lens-PC Housing-PC	Lens-PC Housing-ABS	Lens-PC Housing-ABS
Mounting structure	Self stand	Self stand	Detachable magnet	Detachable magnet	Self stand	Mount bracket
Protection rating	IP66	IP66	IP66	IP66	IP44	IP44
Mounting location	Indoor Use/ Outdoor Use	Indoor Use/ Outdoor Use	Indoor Use/ Outdoor Use	Indoor Use/ Outdoor Use	Indoor Use	Indoor Use
Mounting direction	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal
Certificates	CE	CE	CE	CE	-	-
Customization	Strobe left and right, Flashing left and right	Strobe left and right, Flashing left and right	Color combination except for standard, Strobe, Strobe left and right	Color combination except for standard, Strobe, Strobe left and right	2 tones buzzer	2 tones buzzer
Page	P74	P74	P75	P75	P86	P86



Model number	S80SOL	S100SOL	S125SOL	SRL	SRLP	SJL	SJLP	S125TL
Voltage	2.4V (Battery Voltage)	2.4V (Battery Voltage)	2.4V (Battery Voltage)	DC12V-24V AC110V, AC220V	DC12V-24V AC110V, AC220V	DC12V-24V AC110V, AC220V	DC12V-24V AC110V, AC220V	DC12V-24V AC110V, AC220V
Dimension (mm)	Outdia	Ø83	Ø101	Ø119	Ø83	Ø83	□ 95 x 95	□ 95 x 95
	Height	143	158	175	162-350	363-551	186-378	384-576
	Depth							
Volume	-	-	-	-	-	Max.90dB at 1m	Max.90dB at 1m	Max.90dB at 1m
Material	Lens-PC Housing-ABS	Lens-PC Housing-ABS	Lens-PC Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS
Mounting structure	Self stand	Self stand	Self stand	Self stand	Pole mount	Self stand	Pole mount	Self stand
Protection rating	IP54	IP54	IP54	IP44	IP44	IP44	IP44	IP44
Mounting location	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use
Mounting direction	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal
Certificates	CE	CE	CE	-	-	-	-	-
Customization	Wall mount Magnet mount	Wall mount Magnet mount	Wall mount Magnet mount	4 layers, Color combination except for standard	4 layers, Color combination except for standard	2 tones buzzer, 4 layers, Color combination except for standard	2 tones buzzer, 4 layers, Color combination except for standard	2 tones buzzer, Color combination except for standard
Transistor	-	-	-	NPN/PNP type	NPN/PNP type	NPN/PNP type	NPN/PNP type	NPN/PNP type
Page	P92-93	P92-93	P92-93	P101	P101	P103	P103	P104-105

Specification List for Revolving Warning, Signal Lights

LED Steady/ Flashing Signal Lights



Model number	Q60L	Q60LW	Q60LP	Q80L	Q80LW	Q80LP
Voltage	DC12V-24V AC110V-220V	DC12V-24V AC110V-220V	DC12V-24V AC110V-220V	DC12V-24V AC110V-220V	DC12V-24V AC110V-220V	DC12V-24V AC110V-220V
Dimension (mm)	Outdia	Ø69	Ø69	Ø69	Ø83	Ø83
	Height	100	129	334	120	157
	Depth					
Volume	Max.80dB at 1m	Max.80dB at 1m	Max.80dB at 1m	Max.80dB at 1m	Max.80dB at 1m	Max.80dB at 1m
Material	Lens-PC Housing-ABS	Lens-PC Housing-ABS, Bracket-PC	Lens-PC Housing-ABS, Pole-Al	Lens-PC Housing-ABS	Lens-PC Housing-ABS, Bracket-PC	Lens-PC Housing-ABS, Pole-Al
Mounting structure	Self stand	Wall mount	Pole mount	Self stand	Wall mount	Pole mount
Protection rating	IP65	IP65	IP65	IP65	IP65	IP65
Mounting location	Indoor Use/Outdoor Use	Indoor Use/Outdoor Use	Indoor Use/Outdoor Use	Indoor Use/Outdoor Use	Indoor Use/Outdoor Use	Indoor Use/Outdoor Use
Mounting direction	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical
Certificates	CE, UL	CE, UL	CE, UL	CE, UL	CE, UL	CE, UL
Customization	-	-	Customized pole length available	-	-	Customized pole length available
Page	P76-77	P76-77	P76-77	P78-79	P78-79	P78-79



Model number	Q100L	Q100LW	Q100LP	Q125L	Q125LW	Q125LP
Voltage	DC12V-24V AC110V-220V	DC12V-24V AC110V-220V	DC12V-24V AC110V-220V	DC12V-24V AC110V-220V	DC12V-24V AC110V-220V	DC12V-24V AC110V-220V
Dimension (mm)	Outdia	Ø97	Ø97	Ø116	Ø116	Ø116
	Height	136	173	294	155	192
	Depth					
Volume	Max.80dB at 1m	Max.80dB at 1m	Max.80dB at 1m	Max.80dB at 1m	Max.80dB at 1m	Max.80dB at 1m
Material	Lens-PC Housing-ABS	Lens-PC Housing-ABS, Bracket-PC	Lens-PC Housing-ABS, Pole-Al	Lens-PC Housing-ABS	Lens-PC Housing-ABS, Bracket-PC	Lens-PC Housing-ABS, Pole-Al
Mounting structure	Self stand	Wall mount	Pole mount	Self stand	Wall mount	Pole mount
Protection rating	IP65	IP65	IP65	IP65	IP65	IP65
Mounting location	Indoor Use/Outdoor Use	Indoor Use/Outdoor Use	Indoor Use/Outdoor Use	Indoor Use/Outdoor Use	Indoor Use/Outdoor Use	Indoor Use/Outdoor Use
Mounting direction	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical
Certificates	CE, UL	CE, UL	CE, UL	CE, UL	CE, UL	CE, UL
Customization	-	-	Customized pole length available	-	-	Customized pole length available
Page	P80-81	P80-81	P80-81	P82-83	P82-83	P82-83

Multiple Function LED Signal Lights



Model number	MFL60	MFL80	MFL100	MFL125
Voltage	DC12V-24V AC110V-220V	DC12V-24V AC110V-220V	DC12V-24V AC110V-220V	DC12V-24V AC110V-220V
Dimension (mm)	Outdia	Ø69	Ø83	Ø97
	Height	100	120	136
	Depth			
Volume	Max.80dB at 1m	Max.80dB at 1m	Max.80dB at 1m	Max.80dB at 1m
Material	Lens-PC Housing-ABS	Lens-PC Housing-ABS	Lens-PC Housing-ABS	Lens-PC Housing-ABS
Mounting structure	Self stand	Self stand	Self stand	Self stand
Protection rating	IP65	IP65	IP65	IP65
Mounting location	Indoor Use/Outdoor Use	Indoor Use/Outdoor Use	Indoor Use/Outdoor Use	Indoor Use/Outdoor Use
Mounting direction	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical
Certificates	CE, UL	CE, UL	CE, UL, KC	CE, UL
Customization	Wall mount, Pole mount, M12 connector type	Wall mount, Pole mount, M12 connector type	Wall mount, Pole mount, M12 connector type	Wall mount, Pole mount, M12 connector type
Page	P89-91	P89-91	P89-91	P89-91

Multiple Color LED Signal Lights



Model number	SWTC	SWTCE
Voltage	DC12V-24V AC110V, AC220V	DC12V-24V AC110V, AC220V
Dimension (mm)	Outdia	Ø90(Half)
	Height	216
	Depth	46
Volume	Max.90dB at 1m	Max.90dB at 1m
Material	Lens-PC, Housing-ABS	Lens-PC, Housing-ABS
Mounting structure	Wall mount	Wall mount
Protection rating	IP55	IP55
Mounting location	Indoor Use	Indoor Use
Mounting direction	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical
Certificates	CE	CE
Customization	Color combination except for standard, 2 tones buzzer	Color combination except for standard, 2 tones buzzer
Transistor	NPN/PNP type	NPN/PNP type
Page	P98-99	P98-99

Specification List for Revolving Warning, Signal Lights

Multiple Color LED Signal Lights



Model number	SMCL80	SMCL100	SMCL125	QMCL60	QMCL80	QMCL100	QMCL125
Voltage	DC12V-24V AC110V, AC220V	DC12V-24V AC110V, AC220V	DC12V-24V AC110V, AC220V	DC12V, DC24V	DC12V, DC24V	DC12V, DC24V	DC12V, DC24V
Outdia	Ø83	Ø101	Ø119	Ø69	Ø83	Ø97	Ø116
Height	133	152	158	80	85	95	110
Depth							
Volume	Max.90dB at 1m	Max.90dB at 1m	Max.90dB at 1m	Max.80dB at 1m	Max.80dB at 1m	Max.80dB at 1m	Max.80dB at 1m
Material	Lens-ABS Housing-ABS	Lens-PC Housing-ABS	Lens-PC Housing-ABS	Lens-PC Housing-ABS	Lens-PC Housing-ABS	Lens-PC Housing-ABS	Lens-PC Housing-ABS
Mounting structure	Self stand	Self stand	Self stand	Self stand	Self stand	Self stand	Self stand
Protection rating	IP44	IP44	IP44	IP65	IP65	IP65	IP65
Mounting location	Indoor Use	Indoor Use	Indoor Use	Indoor Use/Outdoor Use	Indoor Use/Outdoor Use	Indoor Use/Outdoor Use	Indoor Use/Outdoor Use
Mounting direction	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical
Certificates	CE	CE	CE	CE, UL	CE, UL	CE, UL	CE, UL
Customization	Wall mount	Wall mount	Wall mount	Wall mount, M12 connector type	Wall mount, M12 connector type	Wall mount, M12 connector type	Wall mount, M12 connector type
Transistor	NPN type	NPN type	NPN type	NPN/PNP type	NPN/PNP type	NPN/PNP type	NPN/PNP type
Page	P94-95	P94-95	P94-95	P96-97	P96-97	P96-97	P96-97

LED Strobe Signal Lights



Model number	S80NS	S80NSE	S80LS	S125LSE	EQ100
Voltage	DC12V-24V	DC12V-24V	DC12V-24V	DC12V-24V	DC24V, AC220V
Outdia	Ø83	Ø83	Ø83	Ø123	Ø97
Height	111	103	106	125	153
Depth					
Volume					
Material	Lens-PC Housing-ABS+GF	Lens-PC Housing-ABS	Lens-PC Housing-ABS	Lens-PC Housing-ABS	Lens-PC Housing-ABS
Mounting structure	Self stand	Self stand	Self stand	Self stand	Self stand
Protection rating	IP66	IP66	IP65	IP54	IP44
Mounting location	Indoor Use/Outdoor Use	Indoor Use/Outdoor Use	Indoor Use/Outdoor Use	Indoor Use	Indoor Use
Mounting direction	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical
Certificates	CE, UL	CE, UL	CE, UL	CE	-
Customization	-	-	-	Wall mount	-
Page	P54	P54	P55	P56	P84

Xenon Lamp Strobe Signal Lights



Model number	S80S	S80SM	S80AS	S100S	S100SM
Voltage	DC12V-24V AC110V, AC220V	DC12V-24V	DC12V-24V AC110V, AC220V	DC12V-24V AC110V, AC220V	DC12V-24V
Outdia	Ø83	Ø83	Ø83	Ø101	Ø101
Height	106	106	127	113	113
Depth	-	-	113	-	-
Volume	-	-	Max.90dB at 1m	-	-
Material	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS
Mounting structure	Self stand	Detachable magnet	Wall mount	Self stand	Detachable magnet
Protection rating	IP54	IP54	IP44	IP54	IP54
Mounting location	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use
Mounting direction	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal
Certificates	CE	CE	-	CE	CE
Customization	Wall mount	AC type	Dome type lens	Wall mount	AC type
Page	P52	P52	P53	P63	P63

Specification List for Revolving Warning, Signal Lights



Model number	S125S	S125SM	S150US	S150US-FT	S180US / S180UHS
Voltage	DC12V-24V AC110V, AC220V	DC12V-24V	DC12V-24V AC110V, AC220V	DC12V-24V AC110V, AC220V	DC12V-24V AC110V, AC220V
Dimension (mm)	Outdia	Ø123	Ø123	Ø138	Ø186
	Height	125	123	193	196
	Depth				216
Volume	-	-	Max.90dB at 1m	Max.90dB at 1m	Max.90dB at 1m
Material	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-PC Housing-ABS	Lens-PC Housing-ABS	Lens-ABS Housing-ABS
Mounting structure	Self stand	Detachable magnet	Self stand	Mount bracket	Self stand
Protection rating	IP54	IP54	IP44	IP44	IP44
Mounting location	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use
Mounting direction	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal
Certificates	CE	CE	-	-	-
Customization	Wall mount	AC type	2 tones buzzer, High brightness (S150UHS)	2 tones buzzer, High brightness (S150UHS-FT)	2 tones buzzer, Mount hole PCD 120mm
Page	P70	P70	P86	P86	P88

LED Flashing Signal Lights



Model number		QLTF
Dimension (mm)	Voltage	DC24V, DC12V-24V
	Outdia	110x52
	Height	47
	Depth	
Volume		Max.65dB at 1m
Material		Lens-AS Housing-ABS
Mounting structure		Self stand
Protection rating		IP55(Buzzer type) IP23(Standard)
Mounting location		Indoor Use
Mounting direction		Vertical, Horizontal, Reverse vertical
Certificates		CE
Customization		-
Page		P106



PRODUCT SPECIFICATION

S50B | S50L

Materials Lens-AS, Housing-ABS,
Reflector-Heat resistant ABS(S50L Model)
Ambient operating temperature -30°C to +50°C
Protection rating IP44
Compliant with RoHS directive

- Ø50mm compact signal lights
- Enhanced visibility that employs a special scattering lens
- Suitable for office-automation applications, small machines, and portable automation equipment with confined space environments
- Powerful omni-directional light source that enables high visibility



S50B



S50L

S50B Bulb Steady Signal Light

Model number	Voltage	Current	Bulb			Certificates	Weight	Color
			Spec	Standard	Parts no			
S50B	DC12V	475mA	14V5W	G14 9S	1	-	0.05kg	R-Red
	DC24V	290mA	27V5W	G14 9S	2		0.05kg	A-Amber
	AC110V	50mA	120V5W	T16x28 9S	3		0.05kg	G-Green
	AC220V	25mA	240V5W	T16x28 9S	4		0.05kg	B-Blue

· Standard condition operates with steady light function but the flashing light condition can be enabled with External Contacts

· Employs a special filament to prevent damage caused by possible voltage variations

S50L LED Steady/Flashing Signal Light

Model number	Voltage	Current	Certificates	Weight	Color
S50L	DC12V-24V	Max.50mA	CE	0.08kg	R-Red
	AC110V	45mA		0.08kg	A-Amber
	AC220V	50mA		0.08kg	B-Blue

· Built-in switch for selection between steady and flashing mode

· Flashing rate: 60-80 flashes/min

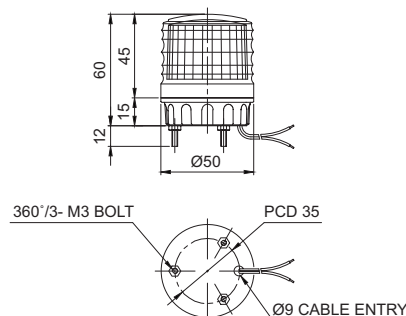
※ CE compliant: DC12V-24V

※ DC type model has a free-voltage range of 10V-30V

Technical Diagram

Units: mm

·S50B / S50L



Wiring Instructions

- External Power line(S50B Model)
UL1007 AWG22(0.3sq) x 2C 400mm
- External Power line(S50L Model)
UL1015 AWG18(0.75sq) 400mm
- This product can be wired regardless of polarity.

Customization

- Wall mount bracket options
- Bracket structure allows for threading through the bracket hole or into the wall mount.



Ordering Specification

S50B	-	220	-	R
[Model number]		[Voltage]		[Color]
S50B		12-DC12V		R-Red
S50L		24-DC24V		A-Amber
		12/24-DC12V-24V(S50L only)		G-Green
		110-AC110V		B-Blue
		220-AC220V		

S60 Series



S60R



S60LR



S60L

PRODUCT SPECIFICATION

S60R | S60LR | S60L

Materials Lens-AS, Housing-ABS,
Reflector-Heat resistant ABS
Ambient operating temperature -20°C to +50°C
Protection rating IP44

- Ø60mm compact warning/signal lights

S60R Bulb Revolving Warning Light

Model number	Voltage	Current	Bulb			Certificates	Weight	Color
			Spec	Standard	Parts no			
S60R	DC12V	480mA	12V5W	T16x35 15S	5	CE	0.18kg	● R-Red
	DC24V	340mA	24V5W	T16x35 15S	6		0.18kg	● A-Amber
	AC110V	80mA	120V5W	T16x35 15D	7		0.27kg	● G-Green
	AC220V	35mA	240V5W	T16x35 15D	8		0.27kg	● B-Blue

· Revolving speed: 120-140RPM

※ CE compliant: DC12V, DC24V

S60LR LED Revolving Warning Light

Model number	Voltage	Current	Certificates	Weight	Color
S60LR	DC12V	180mA	-	0.21kg	● R-Red
	DC24V	125mA		0.21kg	● A-Amber
	AC110V	45mA		0.28kg	● G-Green
	AC220V	20mA		0.28kg	● B-Blue

· Revolving speed: 120-140RPM

S60L LED Steady/Flashing Signal Light

Model number	Voltage	Current	Certificates	Weight	Color
S60L	DC12V-24V	Max.120mA	-	0.15kg	● R-Red
	AC110V	45mA		0.20kg	● A-Amber
	AC220V	20mA		0.20kg	● B-Blue

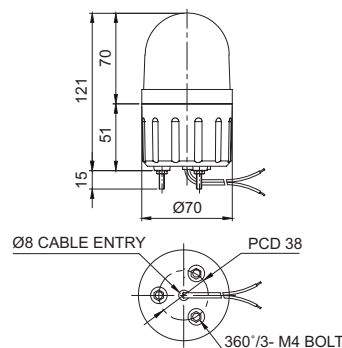
· Flashing rate: 60-80 flashes/min

※ DC type model has a free-voltage range of 10V-30V

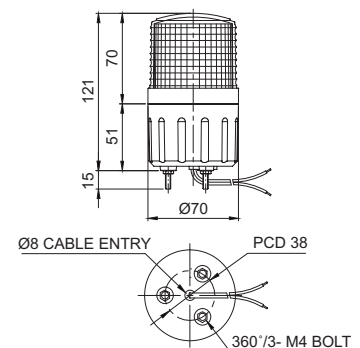
Technical Diagram

Units: mm

·S60R / S60LR



·S60L



Wiring Instructions

- External Power line
UL1015 AWG18(0.75sq) x 2C 400mm
- DC type for S60R/S60LR
: Black output line is negative(-)
- S60L model can be wired regardless of polarity.

Customization

- Wall mount bracket options
: Bracket structure allows for threading through the bracket hole or into the wall mount.



Wall Mount Bracket
TWS45



Wall Mount Bracket
TWA45

Ordering Specification

S60R	-	24	-	R
[Model number]		[Voltage]		[Color]
S60R		12-DC12V		● R-Red
S60LR		24-DC24V		● A-Amber
S60L		12/24-DC12V-24V(S60L only)		● G-Green
		110-AC110V		● B-Blue
		220-AC220V		



PRODUCT SPECIFICATION

S80R | S80U

Materials Lens-AS, Housing-ABS,
Reflector-Heat resistant ABS
Ambient operating temperature -20°C to +50°C
Volume Max.90dB at 1m
Protection rating IP44
Revolving speed 120-140RPM

- Ø80mm bulb revolving warning lights
- Adopts a special Power transmission system that reduces noise and wear
- Can select between standard and built-in buzzer type depending on installation environment

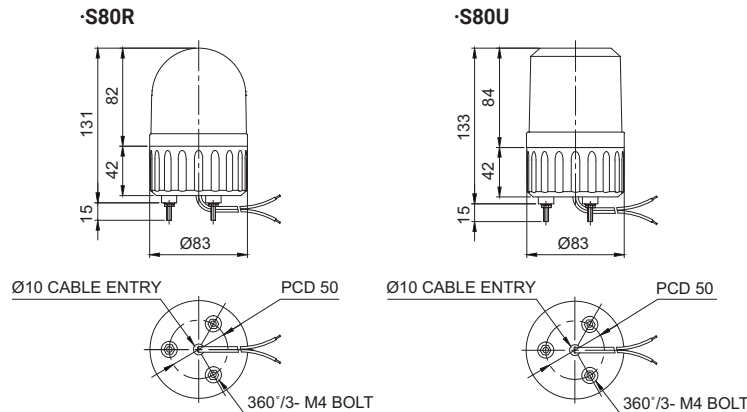
S80R / S80U Bulb Revolving Warning Light

Model number	Voltage	Current	Bulb			Certificates	Weight	Color
			Spec	Standard	Parts no			
S80R S80U	DC12V	530mA	12V5W	T16x35 15S	5	CE	0.28kg	● R-Red
	DC24V	370mA	24V5W	T16x35 15S	6		0.28kg	● A-Amber
	AC110V	80mA	12V5W	T16x35 15S	5		0.48kg	● G-Green
	AC220V	40mA	12V5W	T16x35 15S	5		0.48kg	● B-Blue

※ CE compliant: DC12V, DC24V

Technical Diagram

Units: mm



Wiring Instructions

- External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
- DC Type: Black output line is negative(-)
- For the wiring of 110 & 220VAC combination model, 110VAC model is connected to black and white wires while 220VAC model is connected to black and red wires.

Customization

- Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount.
- AC compatible type: Could select AC110V or AC220V by connecting 2 Power lines of 3 wires each.



Ordering Specification

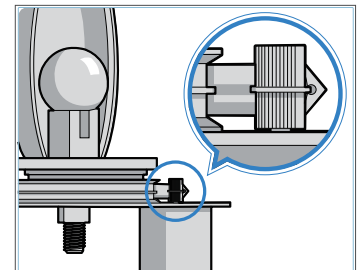
S80U	-	BZ	-	220	-	R
[Model number]		[Buzzer option]		[Voltage]		[Color]
S80R		(None)		12-DC12V		● R-Red
S80U		- No buzzer		24-DC24V		● A-Amber
		BZ		110-AC110V		● G-Green
		- Built-in buzzer		220-AC220V		● B-Blue



S80R



S80U



V belt type Power transfer system feature

Designed to minimize the abrasion of the belt, and to efficiently deliver torque from the drive shaft to the reflector.



S80RK



S80UK

PRODUCT SPECIFICATION

S80RK | S80UK

Materials Lens-AS, Housing-ABS,

Reflector-Heat resistant ABS

Ambient operating temperature -20°C to +50°C

Protection rating IP44

Revolving speed 120-140RPM

- Ø80mm bulb revolving warning lights
- Adopts a special Power transmission system that reduces noise and wear
- Circular mount bracket allows convenient installation
- No buzzer options available

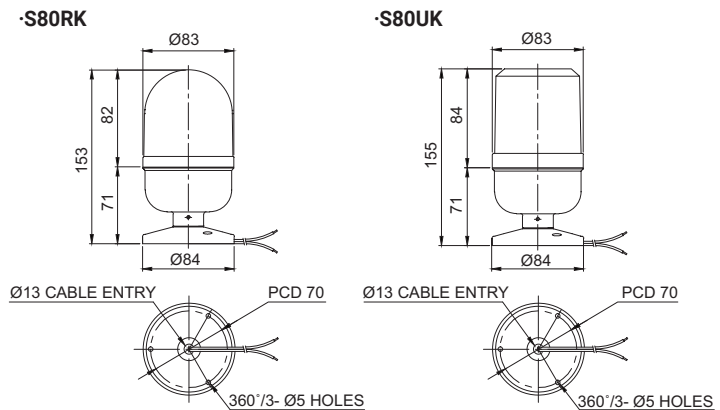
S80RK / S80UK Bulb Revolving Warning Light

Model number	Voltage	Current	Bulb			Certificates	Weight	Color
			Spec	Standard	Parts no			
S80RK S80UK	DC12V	530mA	12V5W	T16x35 15S	5	CE	0.26kg	● R-Red
	DC24V	370mA	24V5W	T16x35 15S	6		0.26kg	● A-Amber
	AC110V	80mA	12V5W	T16x35 15S	5		0.48kg	● G-Green
	AC220V	40mA	12V5W	T16x35 15S	5		0.48kg	● B-Blue

※ CE compliant: DC12V, DC24V

Technical Diagram

Units: mm



Wiring Instructions

- External Power line
UL1015 AWG18(0.75sq) x 2C 400mm
- DC Type
: Black output line is negative(-)
- AC compatible type shall be connected the black and white wires when using AC110V, and the black and red wires when using AC220V.

Wiring Instructions

- Pole mount type

Standard	LB18	LW18	QZ18	SZ18	QL18	SL18
Steel	Steel	ABS	ABS	Al	ABS	Al

※ Please refer to [Tower Light Mounting Bracket] on this catalogue for detailed dimensions

- AC compatible type: Could select AC110V or AC220V by connecting 2 Power lines of 3 wires each.

Ordering Specification

S80RK	-	24	-	R
[Model number]		[Voltage]		[Color]
S80RK S80UK		12-DC12V 24-DC24V 110-AC110V 220-AC220V		● R-Red ● A-Amber ● G-Green ● B-Blue

S80 Series



PRODUCT SPECIFICATION

S80AR | S80AU

Materials Lens-AS, Housing-ABS, Reflector-Heat resistant ABS
Ambient operating temperature -20°C to +50°C
Volume Max.90dB at 1m
Protection rating IP44
Revolving speed 120-140RPM

- Equipped wall mount allows for easy assembly. Additional mounting brackets not required
- Terminal block designed inside the side mount bracket enables easy wiring
- Can select between standard and built-in buzzer type depending on installation environment



S80AR



S80AU

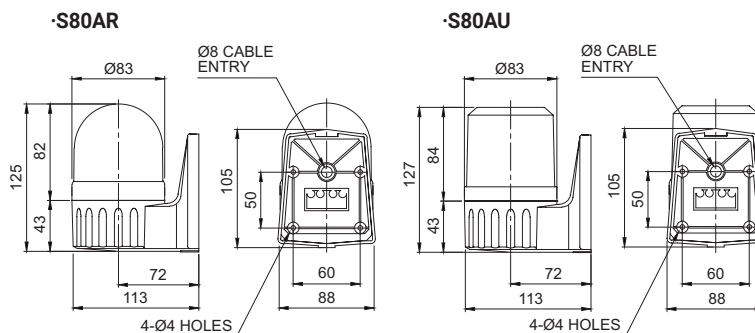
S80AR / S80AU Bulb Revolving Warning Light

Model number	Voltage	Current	Bulb			Certificates	Weight	Color
			Spec	Standard	Parts no			
S80AR S80AU	DC12V	530mA	12V5W	T16x35 15S	5	CE	0.31kg	● R-Red
	DC24V	370mA	24V5W	T16x35 15S	6		0.31kg	● A-Amber
	AC110V	80mA	12V5W	T16x35 15S	5		0.50kg	● G-Green
	AC220V	40mA	12V5W	T16x35 15S	5		0.50kg	● B-Blue

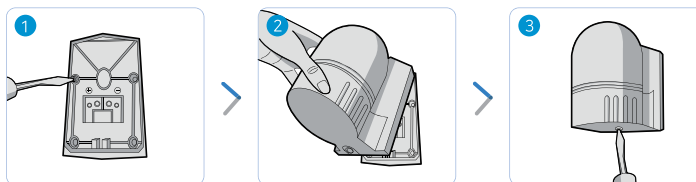
※ CE compliant: DC12V, DC24V

Technical Diagram

Units: mm



Mounting Instructions



- 1 Secure the base plate to the mounting surface, and the Power line to the terminal block
- 2 Mount the warning light by inserting the ring(hook) into the upper part of the base plate
- 3 Screw in the bolt at the base of the mounting bracket to complete assembly

Ordering Specification

S80AR	-	BZ	-	220	-	R
[Model number]		[Buzzer option]		[Voltage]		[Color]
S80AR		(None)		12-DC12V		● R-Red
S80AU		- No buzzer		24-DC24V		● A-Amber
		BZ		110-AC110V		● G-Green
		- Built-in buzzer		220-AC220V		● B-Blue

Wiring Instructions

- External Power line
UL1015 AWG18(0.75sq) x 2C 400mm
- DC Type
: Black output line is negative(-)



S80A Series enable easy wiring

S80A Series enables easy wiring with its terminal block attached to the fixed base plate. With this system the contacts in the housing sends Power directly to the terminal block.

S80 Series



S80DR



S80LR

PRODUCT SPECIFICATION

S80DR | S80LR

Materials Lens-AS, Housing-ABS,
Reflector-Heat resistant ABS

Ambient operating temperature -20°C to +50°C

Volume Max.90dB at 1m

Protection rating IP44

Revolving speed 120-140RPM

Compliant with RoHS directive

- Ø80mm compact LED revolving warning lights
- Excellent omni-directional visibility with LED light collecting system and special multifaceted reflector
- Can select between standard and built-in buzzer type depending on installation environment

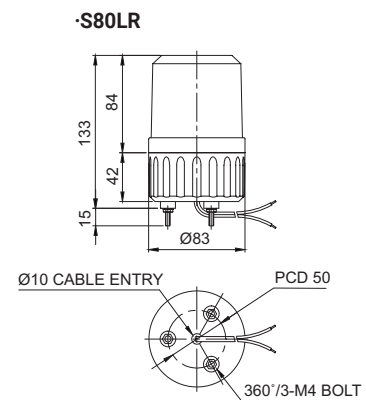
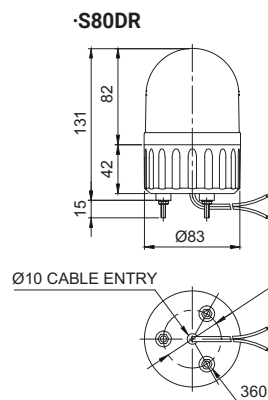


S80DR / S80LR LED Revolving Warning Lights

Model number	Voltage	Current	Certificates	Weight	Color
S80DR S80LR	DC12V	180mA	-	0.23kg	● R-Red
	DC24V	125mA		0.23kg	● A-Amber
	AC110V	35mA		0.38kg	● G-Green
	AC220V	25mA		0.38kg	● B-Blue

Technical Diagram

Units: mm

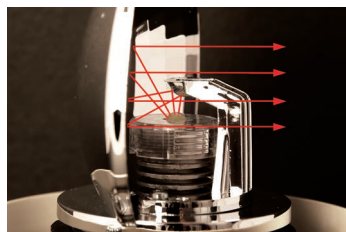


Wiring Instructions

- External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
- DC Type: Black output line is negative(-)
- AC compatible type shall be connected the black and white wires when using AC110V, and the black and red wires when using AC220V.

Customization

- Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount.
- AC compatible type: Could select AC110V or AC220V by connecting 2 Power lines of 3 wires each.



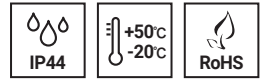
Feature of LED revolving warning lights

LED revolving warning lights has Qlight's distinctive LED light collecting system and special multifaceted reflector allowing excellent omni-directional visibility

Ordering Specification

S80DR	-	BZ	-	220	-	R
[Model number]		[Buzzer option]		[Voltage]		[Color]
S80DR S80LR		(None) - No buzzer BZ - Built-in buzzer		12-DC12V 24-DC24V 110-AC110V 220-AC220V		● R-Red ● A-Amber ● G-Green ● B-Blue

S80 Series



PRODUCT SPECIFICATION

S80DRK | S80LRK

Materials Lens-AS, Housing-ABS,
Reflector-Heat resistant ABS
Ambient operating temperature -20°C to +50°C
Protection rating IP44
Revolving speed 120-140RPM
Compliant with RoHS directive

- Ø80mm LED revolving warning lights
- Adopts a special Power transmission system that reduces noise and wear
- Circular mount bracket allows convenient installation
- No buzzer allowed



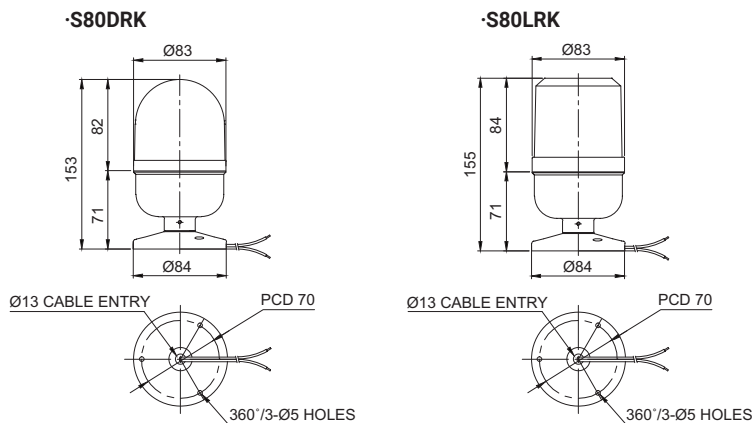
S80DRK

S80DRK / S80LRK LED Revolving Warning Lights

Model number	Voltage	Current	Certificates	Weight	Color
S80DRK S80LRK	DC12V	180mA	-	0.24kg	● R-Red
	DC24V	125mA		0.24kg	● A-Amber
	AC110V	35mA		0.43kg	● G-Green
	AC220V	25mA		0.43kg	● B-Blue

Technical Diagram

Units: mm



S80LRK

Customization

· Pole mount type

Standard	LB18	LW18	QZ18	SZ18	QL18	SL18
Steel	Steel	ABS	ABS	Al	ABS	Al

※ Please refer to [Tower Light Mounting Bracket] on this catalogue for detailed dimensions

· AC compatible type: Could select AC110V or AC220V by connecting 2 Power lines of 3 wires each.

Wiring Instructions

- External Power line
UL1015 AWG18(0.75sq) x 2C 400mm
- DC Type
: Black output line is negative (-)
- AC compatible type shall be connected the black and white wires when using AC110V, and the black and red wires when using AC220V.

Ordering Specification

S80DRK	-	24	-	R
[Model number]		[Voltage]		[Color]
S80DRK S80LRK		12-DC12V 24-DC24V 110-AC110V 220-AC220V		● R-Red ● A-Amber ● G-Green ● B-Blue

S80 Series



S80ADR



S80ALR

PRODUCT SPECIFICATION

S80ADR | S80ALR

Materials Lens-AS, Housing-ABS,
Reflector-Heat resistant ABS

Ambient operating temperature -20°C to +50°C

Volume Max.90dB at 1m

Protection rating IP44

Revolving speed 120-140RPM

Compliant with RoHS directive

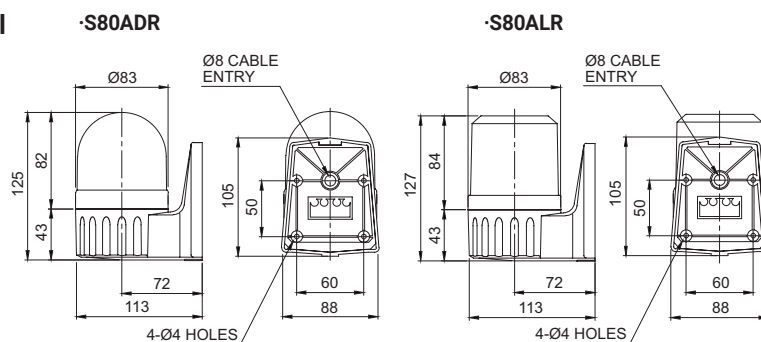
- Equipped wall mount allows for easy assembly. Additional mounting brackets not required
- Terminal block designed inside the side mount bracket enables easy wiring
- Can select between standard and built-in buzzer type depending on installation environment

S80ADR / S80ALR LED Revolving Warning Lights

Model number	Voltage	Current	Certificates	Weight	Color
S80ADR S80ALR	DC12V	180mA	-	0.34kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	DC24V	125mA		0.34kg	
	AC110V	35mA		0.49kg	
	AC220V	25mA		0.49kg	

Technical Diagram

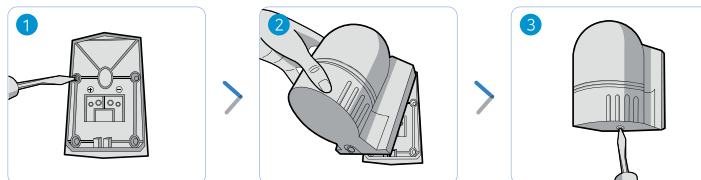
Units: mm



Wiring Instructions

- Attach the Power supply wire to the terminal block
- DC Type: Black output line is negative(-)

Mounting Instructions



- 1 Secure the base plate to the mounting surface, and the Power line to the terminal block
- 2 Mount the warning light by inserting the ring(hook) into the upper part of the base plate
- 3 Screw in the bolt at the base of the mounting bracket to complete assembly

Ordering Specification

S80ALR	-	BZ	-	110	-	R
[Model number]		[Buzzer option]		[Voltage]		[Color]
S80ADR S80ALR		(None) - No buzzer BZ - Built-in buzzer		12-DC12V 24-DC24V 110-AC110V 220-AC220V		● R-Red ● A-Amber ● G-Green ● B-Blue



PRODUCT SPECIFICATION

S80L

Materials Lens-AS, Housing-ABS,
Reflector-Heat resistant ABS
Ambient operating temperature -30°C to +50°C
Volume Max.90dB at 1m
Protection rating IP44
Flashing rate 60-80/min
Compliant with RoHS directive

- Ø80mm LED steady/ flashing signal lights
- Multi reflector system emits intense and constant level of signal lights
- Switch for selection between steady and flashing mode
- Can select between standard and built-in buzzer type depending on installation environment



S80L

S80L LED Steady/Flashing Signal Light

Model number	Voltage	Current	Certificates	Weight	Color
S80L	DC12V-24V	Max.145mA	CE	0.20kg	R-Red
	AC110V	35mA		0.32kg	A-Amber
	AC220V	20mA		0.32kg	G-Green
					B-Blue

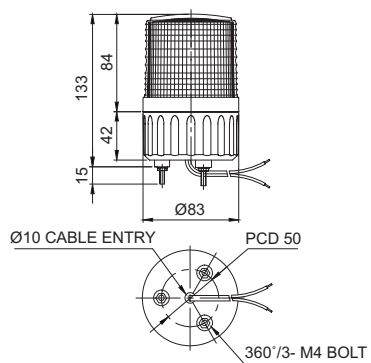
※ DC type model has a free-voltage range of 10V-30V

※ CE compliant: DC12V-24V

Technical Diagram

Units: mm

·S80L



Wiring Instructions

- External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
- This product can be wired regardless of polarity.

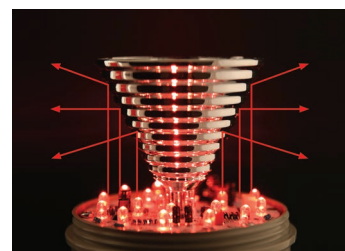
Customization

- Wall mount bracket options
- Bracket structure allows for threading through the bracket hole or into the wall mount.



Ordering Specification

S80L	-	BZ	-	12/24	-	R
[Model number]		[Buzzer option]		[Voltage]		[Color]
S80L		(None)		12/24-DC12V-24V		R-Red
		No buzzer		110-AC110V		A-Amber
		BZ		220-AC220V		G-Green
		Built-in buzzer				B-Blue



Feature of indirect light diffusing system

Indirect light diffusing system emits intense and constant level of signal lights via multi reflector throughout the lens.



S80LK

PRODUCT SPECIFICATION

S80LK

Materials Lens-AS, Housing-ABS,
Reflector-Heat resistant ABS
Ambient operating temperature -30°C to +50°C
Protection rating IP44
Flashing rate 60-80/min
Compliant with RoHS directive

- Ø80mm LED steady/ flashing signal lights
- Circular mount bracket allows for convenient installation
- Buzzer not allowed
- Switch for selection between steady and flashing mode



S80LK LED Steady/Flashing Signal Light

Model number	Voltage	Current	Certificates	Weight	Color
S80LK	DC12V-24V	Max.145mA	CE	0.20kg	● R-Red
	AC110V	35mA		0.37kg	● A-Amber
	AC220V	20mA		0.37kg	● G-Green
					● B-Blue

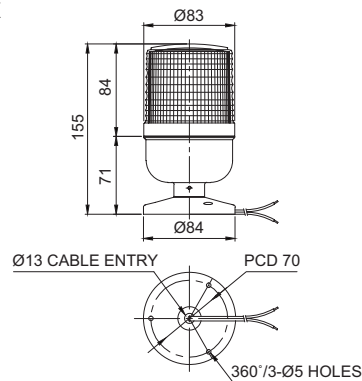
※ DC type model has a free-voltage range of 10V-30V.

※ CE compliant: DC12V-24V

Technical Diagram

Units: mm

-S80LK



Wiring Instructions

- External Power line
UL1015 AWG18(0.75sq) x 2C 400mm
- This product can be wired regardless of polarity.
- AC compatible type shall be connected the black and white wires when using AC110V, and the black and red wires when using AC220V.

Wiring Instructions

- Pole mount type

Standard	LB18	LW18	QZ18	SZ18	QL18	SL18
Steel	Steel	ABS	ABS	Al	ABS	Al

※ Please refer to [Tower Light Mounting Bracket] on this catalogue for detailed dimensions

- AC compatible type: Could select AC110V or AC220V by connecting 2 Power lines of 3 wires each.

Ordering Specification

S80LK	-	12/24	-	R
[Model number]		[Voltage]		[Color]
S80LK		12/24-DC12V-24V 110-AC110V 220-AC220V		● R-Red ● A-Amber ● G-Green ● B-Blue

S80 Series



PRODUCT SPECIFICATION

S80AL

Materials Lens-AS, Housing-ABS,
Reflector-Heat resistant ABS
Ambient operating temperature -30°C to +50°C
Volume Max.90dB at 1m
Protection rating IP44
Flashing rate 60-80/ min
Compliant with RoHS directive

- Equipped wall mount allows for easy assembly. Additional mounting brackets not required
- Maintenance reduced with long lasting LED light source
- Terminal block designed inside the side mount bracket enables easy wiring
- Switch for selection between steady and flashing mode
- Can select between standard and built-in buzzer type depending on installation environment



S80AL

S80AL LED Steady/Flashing Signal Light

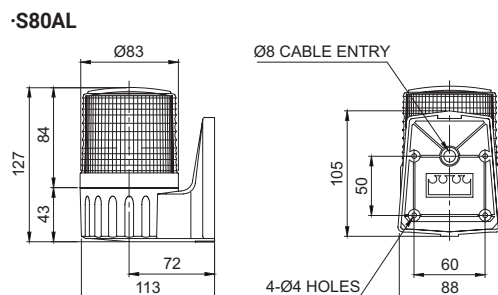
Model number	Voltage	Current	Certificates	Weight	Color
S80AL	DC12V-24V	Max.145mA	CE	0.26kg	R-Red
	AC110V	35mA		0.35kg	A-Amber
	AC220V	20mA		0.35kg	G-Green
					B-Blue

※ DC type model has a free-voltage range of 10V-30V

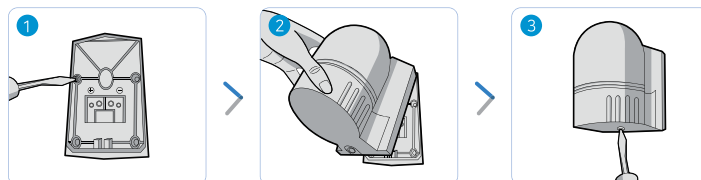
※ CE compliant: DC12V-24V

Technical Diagram

Units: mm



Mounting Instructions



- 1 Secure the base plate to the mounting surface, and the Power line to the terminal block
- 2 Mount the warning light by inserting the ring(hook) into the upper part of the base plate
- 3 Screw in the bolt at the base of the mounting bracket to complete assembly

Ordering Specification

S80AL	-	BZ	-	110	-	R
[Model number] S80AL		[Buzzer option] (None) - No buzzer BZ - Built-in buzzer		[Voltage] 12/24-DC12V-24V 110-AC110V 220-AC220V		[Color] R-Red A-Amber G-Green B-Blue



S80A Series enable easy wiring

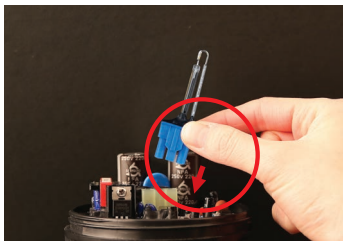
S80A Series enables easy wiring with its terminal block attached to the fixed base plate. With this system the contacts in the housing sends Power directly to the terminal block.



S80S



S80SM



Xenon lamp replacement instructions

Convenient lamp replacement with connector lamp type. Lamp replacement is safe after the product is Powered off for 30 mins.

Customization

- AC Type(S80SM)
- Wall mount bracket options(S80S)
- Bracket structure allows for threading through the bracket hole or into the wall mount



Wall Mount Bracket TWS80



Wall Mount Bracket TWA80

PRODUCT SPECIFICATION

S80S | S80SM

Materials Lens-AS, Housing-ABS

Ambient operating temperature -30°C to +50°C

Protection rating IP54

Flashing rate 60-80/min

- Ø80mm xenon lamp strobe signal lights
- It has high instantaneous luminous efficiency and emits signal light close to natural light, providing excellent long-distance visibility
- Lamp connector fastening structure allows for convenient lamp replacement



S80S Xenon Lamp Strobe Signal Lights

Model number	Voltage	Current	Xenon lamp			Certificates	Weight	Color
			Spec	Standard	Parts no			
S80S	DC12V-24V	Max. 490mA	220V -350V	BGA2120 -BBC ltype	47	CE	0.21kg	● R-Red
	AC110V	100mA					0.21kg	● A-Amber
	AC220V	90mA					0.21kg	● G-Green ● B-Blue

※ DC type model has a free-voltage range of 10V-30V

※ CE compliant: DC12V-24V



S80SM Xenon Lamp Strobe Light Equipped with Magnet

Model number	Voltage	Current	Xenon lamp			Certificates	Weight	Color
			Spec	Standard	Parts no			
S80SM	DC12V-24V	Max. 490mA	220V -350V	BGA2120 -BBC ltype	47	CE	0.24kg	● R-Red
							0.24kg	● A-Amber ● G-Green ● B-Blue

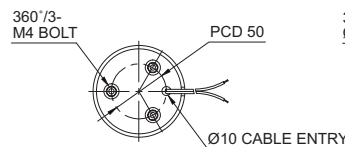
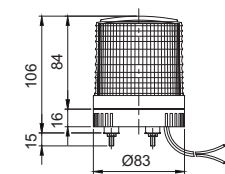
※ DC type model has a free-voltage range of 10V-30V

※ CE compliant: DC12V-24V

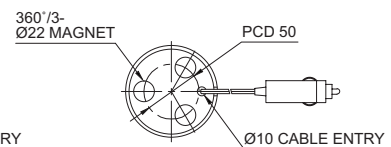
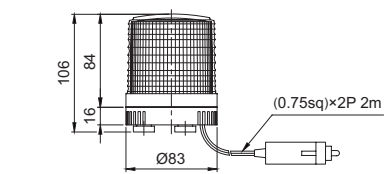
Technical Diagram

Units: mm

·S80S



·S80SM



Wiring Instructions

- External Power line(S80S) UL1015 AWG18(0.75sq) x 2C 400mm
- External Power line (S80M) Cigarette lighter plug, IEC42(0.75sq) x 2P 2m
- This product can be wired regardless of polarity.

Ordering Specification

S80S	-	12/24	-	R
[Model number]		[Voltage]		[Color]
S80S S80SM		12/24-DC12V-24V 110-AC110V 220-AC220V		● R-Red ● A-Amber ● G-Green ● B-Blue

S80 Series



PRODUCT SPECIFICATION

S80AS

Materials Lens-AS, Housing-ABS
Ambient operating temperature -30°C to +50°C
Volume Max.90dB at 1m
Protection rating IP44
Flashing rate 60-80/min

- Ø80mm xenon lamp strobe signal lights
- It has high instantaneous luminous efficiency and emits signal light close to natural light, providing excellent long-distance visibility
- Lamp connector fastening structure allows for convenient lamp replacement
- Can select between standard and built-in buzzer type depending on installation environment



S80AS

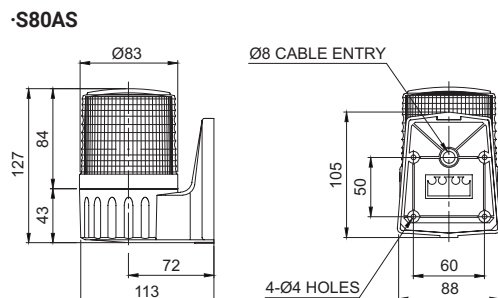
S80AS Xenon Lamp Strobe Signal Lights

Model number	Voltage	Current	Xenon lamp			Certificates	Weight	Color
			Spec	Standard	Parts no			
S80AS	DC12V-24V	Max. 510mA	220V -350V	BGA2120-BBC	47	-	0.27kg	● R-Red
	AC110V	210mA		Itype			0.24kg	● A-Amber
	AC220V	200mA					0.24kg	● G-Green ● B-Blue

※ DC type model has a free-voltage range of 10V-30V

Technical Diagram

Units: mm



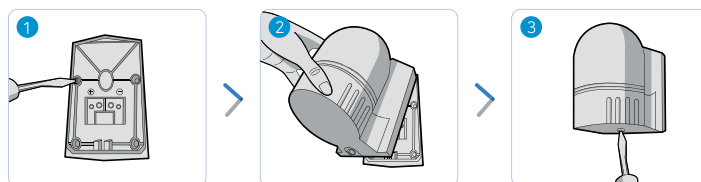
Customization

- Dome type lens

Wiring Instructions

- Attach the Power supply wire to the terminal block
- This product can be wired regardless of polarity.

Mounting Instructions



- 1 Secure the base plate to the mounting surface, and the Power line to the terminal block
- 2 Mount the warning light by inserting the ring(hook) into the upper part of the base plate
- 3 Screw in the bolt at the base of the mounting bracket to complete assembly

Ordering Specification

S80AS	-	BZ	-	12/24	-	R
[Model number] S80AS		[Buzzer option] (None) - No buzzer BZ - Built-in buzzer		[Voltage] 12/24-DC12V-24V 110-AC110V 220-AC220V		[Color] ● R-Red ● A-Amber ● G-Green ● B-Blue



S80A Series enable easy wiring

S80A Series enables easy wiring with its terminal block attached to the fixed base plate. With this system the contacts in the housing sends Power directly to the terminal block.

S80 Series

Superior light output similar to xenon lamp through novel diffusion lens



S80NS

PRODUCT SPECIFICATION

S80NS

Materials Lens-PC, Housing-ABS+GF(S80NS), ABS(S80NSE)

Ambient operating temperature -30°C to +50°C

Protection rating IP66

Flashing rate 60-80/min

Compliant with RoHS directive

- Ø80mm LED strobe signal lights
- LED lights can be strongly emitted by convex lens
- Adopts excellent light distribution structure
- LED lamp provides high durability in conveyor machines, cars, press machines which have vibration and impact
- Excellent durability and air tightness by sealed PCB
- Adopts strobe type for good visibility



S80NS LED Strobe Signal Lights

Model number	Voltage	Current	Certificates	Weight	Color
S80NS	DC12V-24V	Max.660mA	CE UL	0.50kg	● R-Red ● A-Amber ● G-Green ● B-Blue

※ DC type model has a free-voltage range of 10V-30V



S80NSE LED Strobe Signal Lights

Model number	Voltage	Current	Certificates	Weight	Color
S80NSE	DC12V-24V	Max.660mA	CE UL	0.45kg	● R-Red ● A-Amber ● G-Green ● B-Blue

※ DC type model has a free-voltage range of 10V-30V

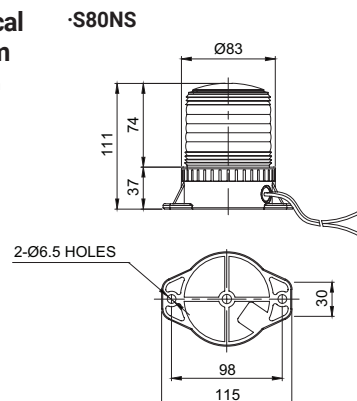
※ UL compliant: DC24V



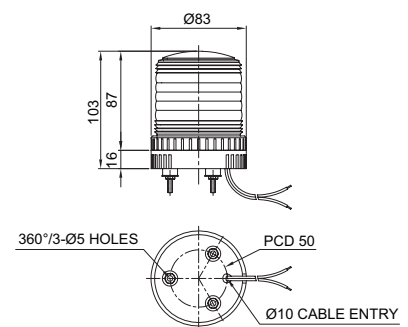
S80NSE

Technical Diagram

Units: mm



S80NSE



Wiring Instructions

- External Power line
UL1015 AWG18(0.75sq) x 2C 400mm
- This product can be wired regardless of polarity.

Ordering Specification

S80NS	-	12/24	-	A
[Model number]		[Voltage]		[Color]
S80NS S80NSE		12/24-DC12V-24V		● R-Red ● A-Amber ● G-Green ● B-Blue

S80 Series



Enhanced visibility by adopting a diffusion lens

PRODUCT SPECIFICATION

S80LS

Materials Lens-AS, Housing-ABS
Ambient operating temperature -30°C to +50°C
Protection rating IP65
Flashing rate 60-80/min

- Ø80mm LED strobe signal light
- Extremely bright signal light that reduces attenuation of the signal light
- Excellent visibility in daytime as bulb or xenon lamp
- Vibration and water resistance product



S80LS

S80LS LED Strobe Signal Light for Forklift

Model number	Voltage	Current	Certificates	Weight	Color
S80LS	DC12V-24V	Max.190mA	CE UL	0.25kg	R-Red A-Amber G-Green B-Blue

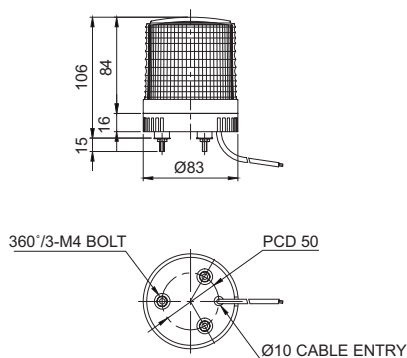
※ DC type model has a free-voltage range of 10V-30V

※ UL compliant: DC24V

Technical Diagram

Units: mm

·S80LS



Wiring Instructions

- External Power line - UL2095 AWG20(0.5sq) x 2C 400mm
- This product can be wired regardless of polarity.

Ordering Specification

S80LS	-	12/24	-	R
[Model number]		[Voltage]		[Color]
S80LS		12/24-DC12V-24V		R-Red A-Amber G-Green B-Blue



S125LSE

PRODUCT SPECIFICATION

S125LSE

Materials Lens-AS, Housing-ABS

Ambient operating temperature -30°C to +50°C

Protection rating IP54

Flashing rate 60-80/min

- Ø125mm LED strobe signal lights
- Extremely bright signal light that reduces attenuation of the signal light
- Excellent visibility in daytime as bulb or xenon lamp
- Vibration and water resistance product



S125LSE LED Strobe Signal Light

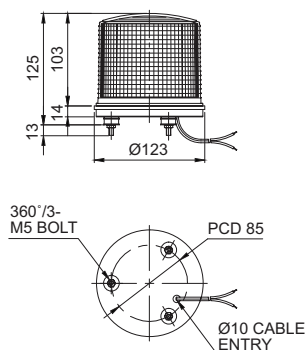
Model number	Voltage	Current	Certificates	Weight	Color
S125LSE	DC12V-24V	Max.1A	CE	0.33kg	R-Red A-Amber G-Green B-Blue

※ DC type model has a free-voltage range of 10V-30V

Technical Diagram

Units: mm

·S125LSE



Wiring Instructions

- External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
- This product can be wired regardless of polarity.

Customization

- Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount.



Ordering Specification

S125LSE	-	12/24	-	R
[Model number]		[Voltage]		[Color]
S125LSE		12/24-DC12V/24V		R-Red A-Amber G-Green B-Blue

S100 Series



PRODUCT SPECIFICATION

S100R | S100U
S100UA | S100M

Materials Lens-AS, Housing-ABS,
Reflector-Heat resistant ABS
Ambient operating temperature -20°C to +50°C
Volume Max.90dB at 1m
Protection rating IP44, IP54
Revolving speed 120-140RPM

- Ø100mm general-purpose bulb revolving warning light
- Adopts a special power transmission system that reduces noise and wear
- Possible to select and use the specifications suitable for the usage environment between the general type and the built-in buzzer type



S100R

S100R Bulb Revolving Warning Light

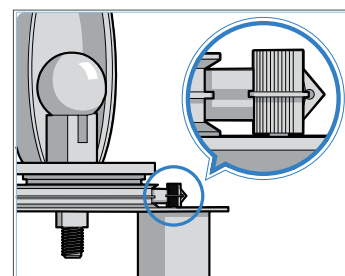
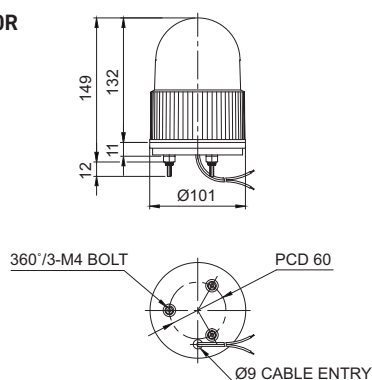
Model number	Voltage	Current	Bulb			Certificates	Weight	Color
			Spec	Standard	Parts no			
S100R	DC12V	965mA	12V10W	T16x35 15S	9	CE	0.34kg	● R-Red
	DC24V	565mA	24V10W	T16x35 15S	10		0.34kg	● A-Amber
	AC110V	130mA	12V10W	T16x35 15S	9		0.60kg	● G-Green
	AC220V	65mA	12V10W	T16x35 15S	9		0.60kg	● B-Blue

· Protection rating: IP44

Technical Diagram

Units: mm

S100R



V belt type Power transfer system feature

Designed to minimize the abrasion of the belt, and to efficiently deliver torque from the drive shaft to the reflector.

Customization

- Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount.



Wall Mount Bracket SWP125



Wall Mount Bracket SWM125

Ordering Specification

S100R	-	BZ	-	24	-	R
[Model number]		[Buzzer option]		[Voltage]		[Color]
S100R		(None) - No buzzer BZ - Built-in buzzer		12-DC12V 24-DC24V 110-AC110V 220-AC220V		● R-Red ● A-Amber ● G-Green ● B-Blue

Wiring Instructions

- External Power line
UL1015 AWG18(0.75sq) x 2C 400mm
- DC Type
: Black output line is negative(-) of polarity.
- AC compatible type shall be connected the black and white wires when using AC110V, and the black and red wires when using AC220V.

S100 Series



S100UA - Enhanced diffusion through a special 12 sided diffusive lens



S100U



S100UA

S100U / S100UA Bulb Revolving Warning Light

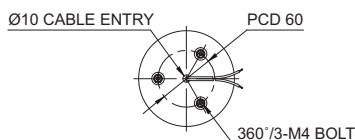
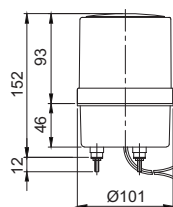
Model number	Voltage	Current	Bulb			Certificates	Weight	Color
			Spec	Standard	Parts no			
S100U S100UA	DC12V	965mA	12V10W	T16x35 15S	9	CE	0.36kg	● R-Red
	DC24V	565mA	24V10W	T16x35 15S	10		0.36kg	● A-Amber
	AC110V	130mA	12V10W	T16x35 15S	9		0.59kg	● G-Green
	AC220V	65mA	12V10W	T16x35 15S	9		0.59kg	● B-Blue

· Protection rating: IP44

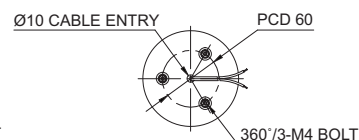
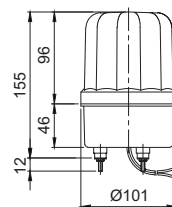
Technical Diagram

Units: mm

S100U



S100UA



Wiring Instructions

- External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
- DC Type: Black output line is negative(-)
- AC compatible type shall be connected the black and white wires when using AC110V, and the black and red wires when using AC220V.

Customization

- 2 buzzer sound types: Both prolonged(beep, beep) and staccato(beep, beep, beep) buzzer output available

Product used dome type lens
(Model number: S100UR)

Wall mount bracket options: Bracket structure allows for
threading through the bracket hole or into the wall mount



S100UR



Wall Mount Bracket
SWP125



Wall Mount Bracket
SWM125

Ordering Specification

S100U	-	BZ	-	220	-	R
[Model number]		[Buzzer option]		[Voltage]		[Color]
S100U		(None)		12-DC12V		● R-Red
S100UA		- No buzzer		24-DC24V		● A-Amber
		BZ		110-AC110V		● G-Green
		- Built-in buzzer		220-AC220V		● B-Blue

Ø100mm Bulb Revolving Warning Lights

S100 Series



IP54



+50°C
-20°C



N S
MAGNET



BUZZER



90dB

S100M Bulb Revolving Signal Light for Vehicle

Model number	Voltage	Current	Bulb			Certificates	Weight	Color
			Spec	Standard	Parts no			
S100M	DC12V	965mA	12V10W	T16x35 15S	9	CE	0.37kg	R-Red
	DC24V	565mA	24V10W	T16x35 15S	10		0.37kg	A-Amber G-Green B-Blue

- Three Powerful magnets provide strong adhesion to the vehicle
- Power supply through cigarette lighter plug
- Protection rating: IP54

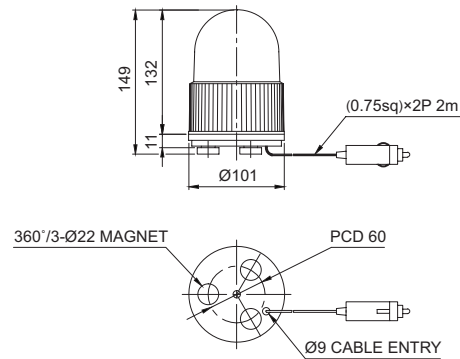


S100M

Technical Diagram

Units: mm

·S100M



Wiring Instructions

- Cigarette lighter plug, IEC42(0.75sq) x 2P 2m

Customization

- AC Type

Ordering Specification

S100M	-	BZ	-	24	-	R
[Model number] S100M		[Buzzer option] (None) - No buzzer BZ - Built-in buzzer		[Voltage] 12-DC12V 24-DC24V		[Color] R-Red A-Amber G-Green B-Blue



S100LR

PRODUCT SPECIFICATION

S100LR | S100MLR

Materials Lens-AS, Housing-ABS,
Reflector-Heat resistant ABS

Ambient operating temperature -20°C to +50°C

Volume Max.90dB at 1m

Protection rating IP44, IP54

Revolving speed 120-140RPM

Compliant with RoHS directive

- Ø100mm general purpose LED revolving warning light
- Excellent omni-directional visibility with LED light collecting system and special multifaceted reflector
- Shock and vibration-resistant from vehicle operation with long-lasting LED
- Possible to select and use the specifications suitable for the usage environment between the general type and the built-in buzzer type

S100LR LED Revolving Warning Lights

Model number	Voltage	Current	Certificates	Weight	Color
S100LR	DC12V	180mA	-	0.39kg	● R-Red
	DC24V	125mA		0.39kg	● A-Amber
	AC110V	35mA		0.47kg	● G-Green
	AC220V	20mA		0.47kg	● B-Blue

· Protection rating: IP44

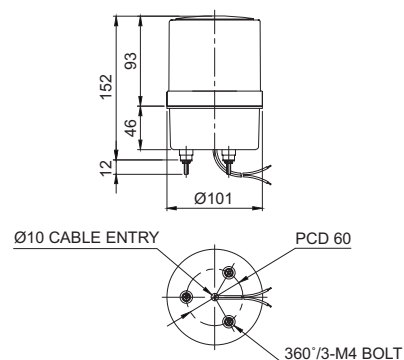
Wiring Instructions

- External Power line
UL1015 AWG18(0.75sq) x 2C 400mm
- This product can be wired regardless of polarity.
- AC voltage switch built-in type:
AC110V and AC220V can be selected with a built-in 110/220V switch.

Technical Diagram

·S100LR

Units: mm



Customization

- 2 buzzer sound types: Both prolonged(beep, beep) and staccato(beep, beep, beep) buzzer output available

Model number
S100RLR / S100DR

Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount



S100RLR



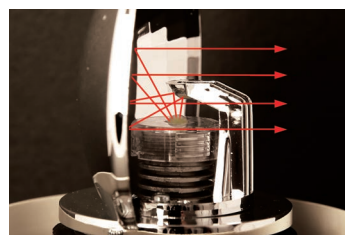
S100DR



Wall Mount Bracket
SWP125



Wall Mount Bracket
SWM125



Feature of LED revolving warning lights

LED revolving warning lights has Qlight's distinctive LED light collecting system and special multifaceted reflector allowing excellent omni-directional visibility

Ordering Specification

S100LR	-	BZ	-	220	-	R
[Model number]		[Buzzer option]		[Voltage]		[Color]
S100LR		(None) - No buzzer BZ - Built-in buzzer		12-DC12V 24-DC24V 110-AC110V 220-AC220V		● R-Red ● A-Amber ● G-Green ● B-Blue

Ø100mm LED Revolving Warning Lights

S100 Series



S100MLR LED Revolving Warning Light for Vehicle

Model number	Voltage	Current	Certificates	Weight	Color
S100MLR	DC12V	180mA	-	0.37kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	DC24V	125mA		0.37kg	

- Three Powerful magnets provide strong adhesion to the vehicle
- Power is supplied through the cigarette lighter plug
- Shock and vibration-resistant from vehicle operation with long-lasting LED
- Excellent omni-directional visibility with LED light collecting system and special multifaceted reflector
- Protection rating: IP54

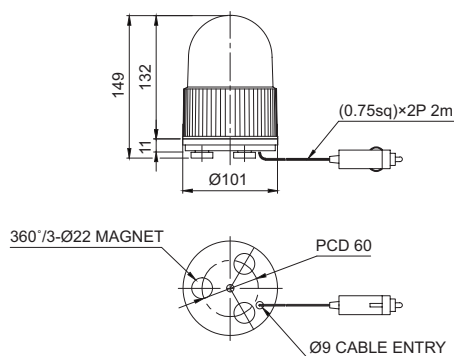


S100MLR

Technical Diagram

Units: mm

S100MLR



Wiring Instructions

- Cigarette lighter plug, IEC42(0.75sq) x 2P 2m

Customization

- AC Type

Ordering Specification

S100MLR	-	BZ	-	24	-	R
[Model number]		[Buzzer option]		[Voltage]		[Color]
S100MLR		(None) - No buzzer BZ - Built-in buzzer		12-DC12V 24-DC24V		● R-Red ● A-Amber ● G-Green ● B-Blue



S100L

PRODUCT SPECIFICATION

S100L

Materials Lens-AS, Housing-ABS,
Reflector-Heat resistant ABS

Ambient operating temperature -30°C to +50°C

Protection rating IP44

Compliant with RoHS directive

- Ø100mm multi-purpose LED steady/ flashing signal light
- Shock and vibration-resistant and easy maintenance with long-lasting LED
- Built-in switch for selection between steady and flashing mode



S100L LED Steady/Flashing Signal Light

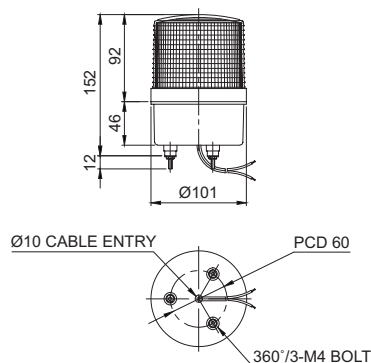
Model number	Voltage	Current	Certificates	Weight	Color
S100L	DC12V-24V	Max.185mA	CE	0.26kg	R-Red
	AC110V	55mA		0.45kg	A-Amber
	AC220V	30mA		0.45kg	G-Green B-Blue

※ CE Compliant: DC12V-24V

Technical Diagram

Units: mm

·S100L



Wiring Instructions

- External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
- This product can be wired regardless of polarity.

Customization

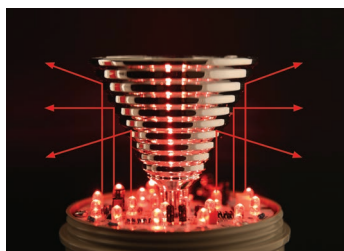
- 2 buzzer sound types: Both prolonged (beep, beep) and staccato (beep, beep, beep) buzzer output available
- Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount



Wall Mount Bracket SWP125



Wall Mount Bracket SWM125

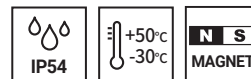


Feature of indirect light diffusing system

Indirect light diffusing system emits intense and constant level of signal lights via multi reflector throughout the lens.

Ordering Specification

S100L	-	BZ	-	220	-	R
[Model number]		[Buzzer option]		[Voltage]		[Color]
S100L		(None) - No buzzer BZ - Built-in buzzer		12/24-DC12V-24V 110-AC110V 220-AC220V		R-Red A-Amber G-Green B-Blue



PRODUCT SPECIFICATION

S100S | S100SM

Materials Lens-AS, Housing-ABS
Ambient operating temperature -30°C to +50°C
Protection rating IP54
Flashing rate 60-80/min

- Ø100mm xenon lamp strobe signal lights
- It has high instantaneous luminous efficiency and emits signal light close to natural light, providing excellent long-distance visibility
- Lamp connector structure for convenient lamp replacement

S100S Xenon Lamp Strobe Signal Lights

Model number	Voltage	Current	Xenon lamp			Certificates	Weight	Color
			Spec	Standard	Parts no			
S100S	DC12V	Max. 1.3A	200V -550V	EUB0641 -1A(G) U Type	48	CE	0.25kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	-24V							
	AC110V	260mA						
	AC220V	270mA						

※ CE Compliant: DC12V-24V

S100SM Xenon Lamp Strobe Light Equipped with Magnet

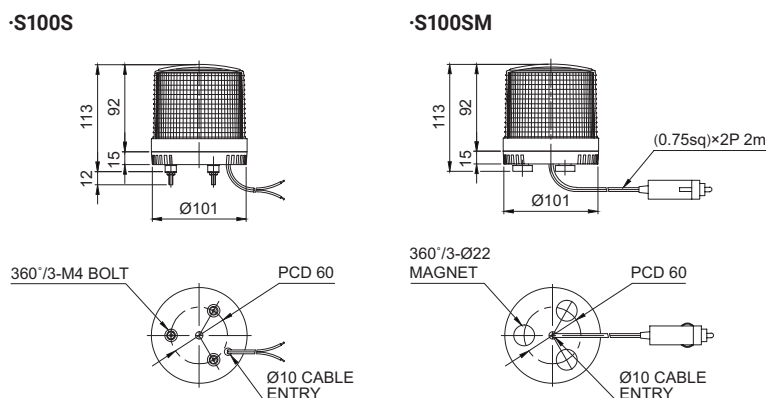
Model number	Voltage	Current	Xenon lamp			Certificates	Weight	Color
			Spec	Standard	Parts no			
S100SM	DC12V	Max. 1.3A	200V -550V	EUB0641 -1A(G) U Type	48	CE	0.34kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	-24V							

Wiring Instructions

- External Power line(S100S) - UL1015 AWG18(0.75sq) x 2C 400mm
- External Power line(S100SM) - Cigarette lighter plug, IEC42(0.75sq) x 2P 2m
- This product can be wired regardless of polarity.

Technical Diagram

Units: mm



Ordering Specification

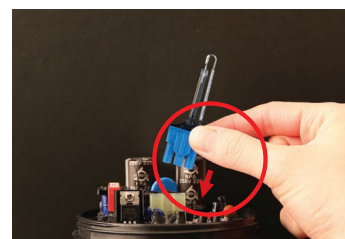
S100S	-	220	-	R
[Model number]		[Voltage]		[Color]
S100S S100SM		12/24-DC12V-24V 110-AC110V 220-AC220V		● R-Red ● A-Amber ● G-Green ● B-Blue



S100S



S100SM



Xenon lamp replacement instructions

Convenient lamp replacement with connector lamp type. Lamp replacement is safe after the product is Powered off for 30 mins.

Customization

- AC Type(S100SM)
- Wall mount bracket options(S100S)
- Bracket structure allows for threading through the bracket hole or into the wall mount



Wall Mount Bracket SWP125



Wall Mount Bracket SWM125



S125R

PRODUCT SPECIFICATION

S125R | S125U
S125M

Materials Lens-AS, Housing-ABS,
Reflector-Heat resistant ABS
Ambient operating temperature -20°C to +50°C
Volume Max.90dB at 1m
Protection rating IP44, IP54
Revolving speed 120-140RPM

- Ø125mm standard-sized bulb revolving warning lights
- Adopts a special Power transmission system that reduces noise and wear

S125R Bulb Revolving Warning Light

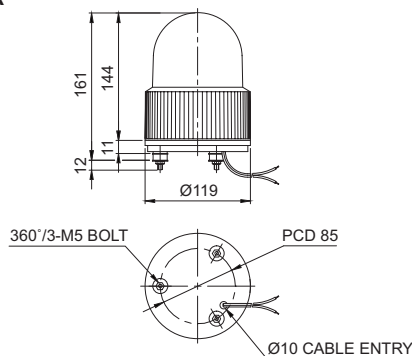
Model number	Voltage	Current	Bulb			Certificates	Weight	Color
			Spec	Standard	Parts no			
S125R	DC12V	965mA	12V10W	T16x35 15S	9	CE	0.40kg	R-Red
	DC24V	565mA	24V10W	T16x35 15S	10		0.40kg	A-Amber
	AC110V	130mA	12V10W	T16x35 15S	9		0.65kg	G-Green
	AC220V	65mA	12V10W	T16x35 15S	9		0.65kg	B-Blue

- Protection rating: IP44
- ※ CE Compliant: DC12V, DC24V

Technical Diagram

Units: mm

·S125R



Wiring Instructions

- External Power line
UL1015 AWG18(0.75sq) x 2C 400mm
- DC Type: Black output line is negative(-)
- AC compatible type shall be connected the black and white wires when using AC110V, and the black and red wires when using AC220V.

Customization

- Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount



Wall Mount
Bracket
SWP125



Wall Mount
Bracket
SWM125

Ordering Specification

S125R	-	BZ	-	220	-	R
[Model number] S125R		[Buzzer option] (None) - No buzzer BZ - Built-in buzzer		[Voltage] 12-DC12V 24-DC24V 110-AC110V 220-AC220V		[Color] R-Red A-Amber G-Green B-Blue



S125U Bulb Revolving Warning Light

Model number	Voltage	Current	Bulb			Certificates	Weight	Color
			Spec	Standard	Parts no			
S125U	DC12V	965mA	12V10W	T16x35 15S	9		0.41kg	● R-Red
	DC24V	565mA	24V10W	T16x35 15S	10		0.41kg	● A-Amber
	AC110V	130mA	12V10W	T16x35 15S	9		0.65kg	● G-Green
	AC220V	65mA	12V10W	T16x35 15S	9		0.65kg	● B-Blue

· Protection rating: IP44

※ CE Compliant: DC12V, DC24V

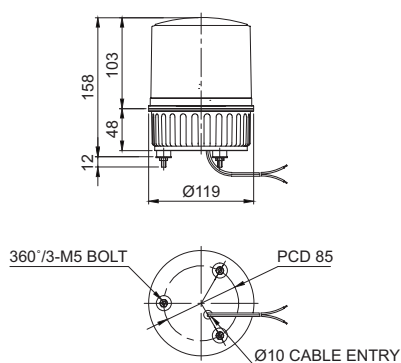


S125U

Technical Diagram

Units: mm

·S125U



Wiring Instructions

- External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
- DC Type: Black output line is negative(-)
- AC compatible type shall be connected the black and white wires when using AC110V, and the black and red wires when using AC220V.

Customization

- 2 buzzer sound types: Both prolonged (beep, beep) and staccato(beep, beep, beep) buzzer output available
- Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount



Wall Mount Bracket
SWP125



Wall Mount Bracket
SWM125

Ordering Specification

S125U	-	BZ	-	220	-	R
[Model number]		[Buzzer option]		[Voltage]		[Color]
S125U		(None)		12-DC12V		● R-Red
		- No buzzer		24-DC24V		● A-Amber
		BZ		110-AC110V		● G-Green
		- Built-in buzzer		220-AC220V		● B-Blue

S125 Series



S125M

S125M Bulb Revolving Signal Light for Vehicle

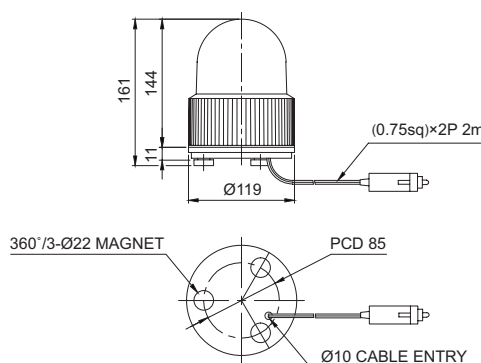
Model number	Voltage	Current	Bulb			Certificates	Weight	Color
			Spec	Standard	Parts no			
S125M	DC12V	965mA	12V10W	T16x35 15S	9	CE	0.45kg	● R-Red
	DC24V	565mA	24V10W	T16x35 15S	10		0.45kg	● A-Amber ● G-Green ● B-Blue

- Three Powerful magnets provide strong adhesion to the vehicle
- Power supply through cigarette lighter plug
- Protection rating: IP54

Technical Diagram

Units: mm

S125M



Wiring Instructions

- Cigarette lighter plug, IEC42(0.75sq) x 2P 2m

Customization

- AC Type

Ordering Specification

S125M	-	BZ	-	24	-	R
[Model number] S125M		[Buzzer option] (None) - No buzzer BZ - Built-in buzzer		[Voltage] 12-DC12V 24-DC24V		[Color] ● R-Red ● A-Amber ● G-Green ● B-Blue

S125 Series



PRODUCT SPECIFICATION

S125LR | S125MLR

Materials Lens-AS, Housing-ABS
 Reflector-Heat resistant ABS
Ambient operating temperature -20°C to +50°C
Volume Max.90dB at 1m
Protection rating IP44, IP54
Revolving speed 120-140RPM
Compliant with RoHS directive

- Ø125mm standard LED revolving warning lights
- Excellent omni-directional visibility with LED light collecting system and special multifaceted reflector
- Can select between standard and built-in buzzer type depending on installation environment

S125LR LED Revolving Warning Lights

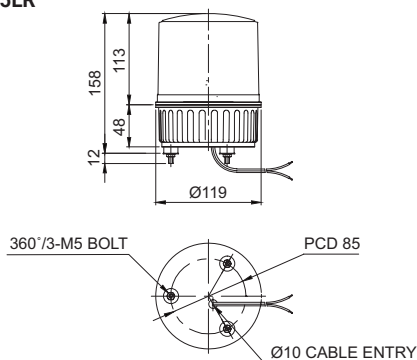
Model number	Voltage	Current	Certificates	Weight	Color
S125LR	DC12V	420mA	-	0.43kg	● R-Red
	DC24V	265mA		0.43kg	● A-Amber
	AC110V	80mA		0.66kg	● G-Green
	AC220V	45mA		0.66kg	● B-Blue

· Protection rating: IP44

Technical Diagram

Units: mm

·S125LR



S125LR

Wiring Instructions

- External Power line
UL1015 AWG18(0.75sq) x 2C 400mm
- DC Type
: Black output line is negative(-)
- AC voltage switch built-in type:
AC110V and AC220V can be selected with a built-in 110/220V switch.

Customization

- 2 buzzer sound types: Both prolonged(beep, beep) and staccato(beep, beep, beep) buzzer output available

Same design with S125R
(Model number: S125RLR)

Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount



S125RLR



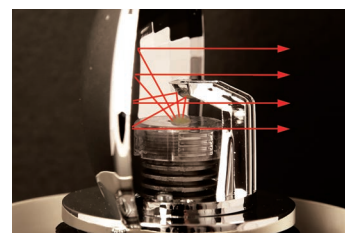
Wall Mount Bracket
SWP125



Wall Mount Bracket
SWM125

Ordering Specification

S125LR	-	BZ	-	220	-	R
[Model number] S125LR		[Buzzer option] (None) - No buzzer BZ - Built-in buzzer		[Voltage] 12-DC12V 24-DC24V 110-AC110V 220-AC220V		[Color] ● R-Red ● A-Amber ● G-Green ● B-Blue



Feature of LED revolving warning lights

LED revolving warning lights has Qlight's distinctive LED light collecting system and special multifaceted reflector allowing excellent omni-directional visibility

S125 Series



S125MLR

S125MLR LED Revolving Warning Lights for Vehicle

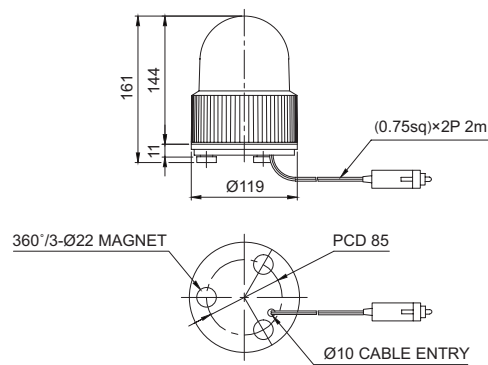
Model number	Voltage	Current	Certificates	Weight	Color
S125MLR	DC12V	420mA	-	0.46kg	R-Red
	DC24V	265mA		0.46kg	A-Amber G-Green B-Blue

- Three Powerful magnets provide strong adhesion to the vehicle
- Power supply through cigarette lighter plug
- Shock and vibration-resistant from the vehicle with long-lasting LED light bulbs
- Excellent omni-directional visibility with LED light collecting system and special multi-faced reflector
- Protection rating: IP54

Technical Diagram

Units: mm

S125MLR



Wiring Instructions

- Cigarette lighter plug, IEC42(0.75sq) x 2P 2m

Customization

- AC Type

Ordering Specification

S125MLR	-	BZ	-	24	-	R
[Model number] S125MLR		[Buzzer option] (None) - No buzzer BZ - Built-in buzzer		[Voltage] 12-DC12V 24-DC24V		[Color] R-Red A-Amber G-Green B-Blue

S125 Series



PRODUCT SPECIFICATION

S125L

Materials Lens-AS, Housing-ABS
Reflector-Heat resistant ABS
Ambient operating temperature -30°C to +50°C
Volume Max.90dB at 1m
Protection rating IP644
Flashing rate 60-80/min
Compliant with RoHS directive

- Ø125mm standard LED steady/flashing signal lights
- Shock and vibration-resistant and easy maintenance with long-lasting LED light source
- Built-in switch for selection between steady and flashing mode
- Can select between standard and built-in buzzer type depending on installation environment



S125L

S125L LED Steady/Flashing Signal Light

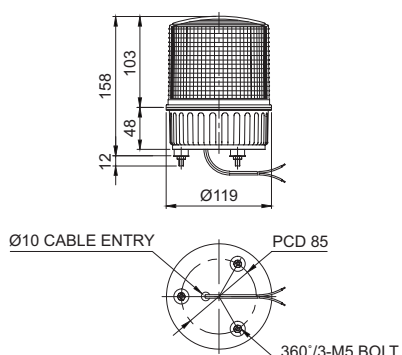
Model number	Voltage	Current	Certificates	Weight	Color
S125L	DC12V-24V	Max.300mA	CE	0.33kg	● R-Red
	AC110V	65mA		0.51kg	● A-Amber
	AC220V	35mA		0.51kg	● G-Green
					● B-Blue

※ CE Compliant: DC12V-DC24V

Technical Diagram

Units: mm

·S125L



Wiring Instructions

- External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
- This product can be wired regardless of polarity.

Customization

- 2 buzzer sound types: Both prolonged (beep, beep) and staccato(beep, beep, beep) buzzer output available
- Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount



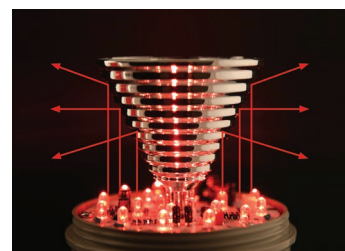
Wall Mount Bracket SWP125



Wall Mount Bracket SWM125

Ordering Specification

S125L	-	BZ	-	220	-	R
[Model number]		[Buzzer option]		[Voltage]		[Color]
S125L		(None) - No buzzer BZ - Built-in buzzer		12/24-DC12V-24V 110-AC110V 220-AC220V		● R-Red ● A-Amber ● G-Green ● B-Blue



Feature of indirect light diffusing system

Indirect light diffusing system emits intense and constant level of signal lights via multi reflector throughout the lens.



S125S



S125SM

PRODUCT SPECIFICATION

S125S | S125SM

Materials Lens-AS, Housing-ABS

Ambient operating temperature -30°C to +50°C

Protection rating IP54

Flashing rate 60-80/min

- Ø125mm xenon lamp strobe signal lights
- It has high instantaneous luminous efficiency and emits signal light close to natural light, providing excellent long-distance visibility
- Lamp connector structure for convenient lamp replacement

S125S Xenon Lamp Strobe Signal Lights

Model number	Voltage	Current	Xenon lamp			Certificates	Weight	Color
			Spec	Standard	Parts no			
S125S	DC12V-24V	Max. 1.3A	200V-550V	EUB0641-1A(G)	48	CE	0.37kg	● R-Red
	AC110V	260mA		U Type			0.32kg	● A-Amber
	AC220V	270mA					0.32kg	● G-Green ● B-Blue

※ CE Compliant: DC12V-DC24V

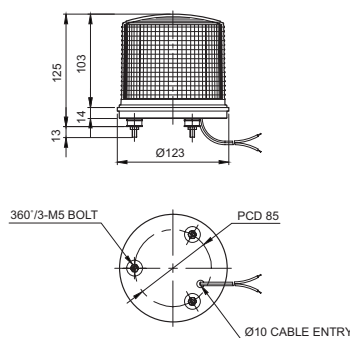
S125SM Xenon Lamp Strobe Light Equipped with Magnet

Model number	Voltage	Current	Xenon lamp			Certificates	Weight	Color
			Spec	Standard	Parts no			
S125SM	DC12V-24V	Max. 1.3A	200V-550V	EUB0641-1A(G) U Type	48	CE	0.40kg	● R-Red ● A-Amber ● G-Green ● B-Blue

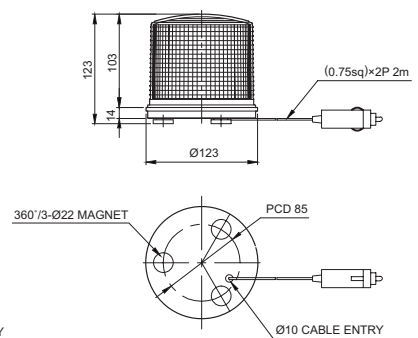
Technical Diagram

Units: mm

S125S



S125SM



Customization

- AC Type(S125SM)
- Wall mount bracket options(S125S)
- Bracket structure allows for threading through the bracket hole or into the wall mount



Wall Mount Bracket SWP125



Wall Mount Bracket SWM125

Wiring Instructions

- External Power line(S125S) UL1015 AWG18(0.75sq) x 2C 400mm
- External Power line(S125SM) Cigarette lighter plug, IEC42(0.75sq) x 2P 2m
- This product can be wired regardless of polarity.

Ordering Specification

S125S	-	220	-	R
[Model number]		[Voltage]		[Color]
S125S S125SM		12/24-DC12V-24V 110-AC110V 220-AC220V		● R-Red ● A-Amber ● G-Green ● B-Blue



PRODUCT SPECIFICATION

SK | SKH
SKM | SKMH

Materials Lens-PC, Housing-PC, Reflector-PC/STS

Ambient operating temperature -20°C to +50°C

Protection rating IP54

Revolving speed 120-140RPM

- Adopts a special Power transmission system that reduces noise and wear
- Metal body structure inside the cover gives the product a stylish look
- Contains a spare bulb inside the product



SK / SKH

SK / SKH Streamlined Bulb Revolving Warning Lights

Model number	Voltage	Current	Bulb			Certificates	Weight	Color
			Spec	Standard	Parts no			
SK	DC12V	1.55A	12V15W	G23 15S	17	-	0.54kg	● R-Red
	DC24V	765mA	24V15W	G23 15S	18		0.54kg	● A-Amber
SKH	DC12V	3.5A	12V35W	15S halogen	39		0.54kg	● G-Green
	DC24V	1.85A	24V35W	15S halogen	40		0.54kg	● B-Blue

· SKH: Features super-bright high intensity with 35W halogen bulb

SKM / SKMH Streamlined Bulb Revolving Warning Lights

Model number	Voltage	Current	Bulb			Certificates	Weight	Color
			Spec	Standard	Parts no			
SKM	DC12V	1.55A	12V15W	G23 15S	17	-	0.58kg	● R-Red
	DC24V	765mA	24V15W	G23 15S	18		0.58kg	● A-Amber
SKMH	DC12V	3.5A	12V35W	15S halogen	39		0.59kg	● G-Green
	DC24V	1.85A	24V35W	15S halogen	40		0.59kg	● B-Blue

- 4 strong magnets enable secure attachment to the vehicle
- SKH: Features super-bright high intensity with 35W halogen bulb

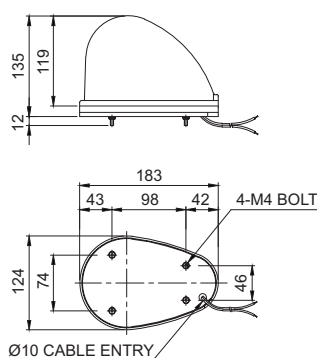


SKM / SKMH

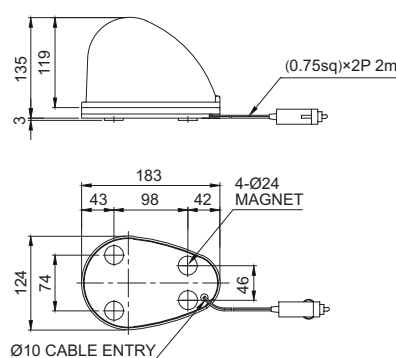
Technical Diagram

Units: mm

·SK / SKH



·SKM / SKMH



A spare bulb inside the SK Series allows for immediate bulb replacement when damaged.

Ordering Specification

SKMH	-	24	-	R
[Model number]		[Voltage]		[Color]
SK		12-DC12V		● R-Red
SKH		24-DC24V		● A-Amber
SKM				● G-Green
SKMH				● B-Blue

Wiring Instructions

- External Power line(SK/SKH)
- UL1015 AWG18(0.75sq) x 2C 400mm
- External Power line(SKM/SKMH)
- Cigarette lighter plug, IEC42(0.75sq) x 2P 2m
- DC Type: Black output line is negative(-)



Revolving warning lights with detachable rubber magnet for emergency response vehicles



SKMP/ SKMPH



SKMPLR

PRODUCT SPECIFICATION

SKMP | SKMPH
SKMPLR

Materials Lens-PC, Housing-PC, Reflector-PC/STS

Ambient operating temperature -20°C to +50°C

Protection rating IP54

Revolving speed 120-140RPM

- Exceptional attachment to vehicles which operate in shock and vibration environments
The rubber magnet securely attaches along the curved surfaces of the vehicle
- Detachable rubber magnet equipped to prevent potential scratches in vehicle's surface
- Contains a spare bulb inside the product
- Easy Power connection with cigarette lighter plug equipped
- DC(12V, 24V) only

SKMP / SKMPH Streamlined Bulb Revolving Warning Lights

Model number	Voltage	Current	Bulb			Certificates	Weight	Color
			Spec	Standard	Parts no			
SKMP	DC12V	1.55A	12V15W	G23 15S	17		0.78kg	● R-Red
	DC24V	765mA	24V15W	G23 15S	18		0.78kg	● A-Amber
SKMPH	DC12V	3.5A	12V35W	15S halogen	39		0.78kg	● G-Green
	DC24V	1.85A	24V35W	15S halogen	40		0.78kg	● B-Blue

SKMPLR Streamlined LED Revolving Warning Light

Model number	Voltage	Current	Certificates	Weight	Color
SKMPLR	DC12V	420mA		0.63kg	● R-Red
	DC24V	265mA		0.63kg	● A-Amber ● G-Green ● B-Blue

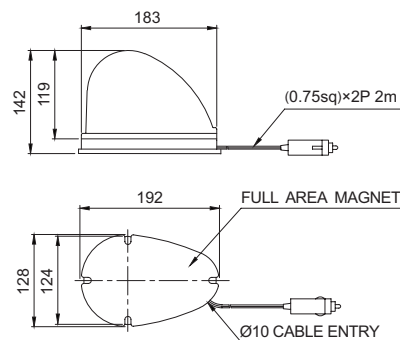


Special rubber magnet adheres securely to the vehicle's surface without damaging it!

SKMP, SKMPH, SKMPLR has a largesized rubber magnet to prevent potential damage on the vehicle's surface. The special rubber magnet adheres securely to the vehicle and it does not be detached from sudden deceleration and road impacts.

Technical Diagram

Units: mm



Wiring Instructions

- Cigarette lighter plug, IEC42(0.75sq) x 2P 2m

Customization

- Oval-shaped rubber magnet

Ordering Specification

SKMP	-	24	-	R
[Model number]		[Voltage]		[Color]
SKMP SKMPH SKMPLR		12-DC12V 24-DC24V		● R-Red ● A-Amber ● G-Green ● B-Blue



PRODUCT SPECIFICATION

SKLR | SKMLR

Materials Lens-AS, Housing-ABS

Reflector-Heat resistant ABS

Ambient operating temperature -20°C to +50°C**Protection rating** IP54**Revolving speed** 120-140RPM**Compliant with RoHS directive**

- Ø70mm xenon lamp strobe signal lights
- High efficiency strobe light that offers excellent outdoor visibility and long-distance signal light luminance close to natural light
- Lamp connector fastening structure allows for convenient lamp replacement
- Bottom nut base allows for convenient mounting



SKLR

SKLR Streamlined LED Revolving Warning Light

Model number	Voltage	Current	Certificates	Weight	Color
SKLR	DC12V	420mA	-	0.38kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	DC24V	265mA		0.38kg	

- Has a 4 bolt structure to fix the product
- Compliant with RoHS directive

SKMLR Streamlined LED Revolving Warning Light

Model number	Voltage	Current	Certificates	Weight	Color
SKMLR	DC12V	420mA	-	0.46kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	DC24V	265mA		0.46kg	

- 4 strong magnets enable secure attachment to the vehicle



SKMLR

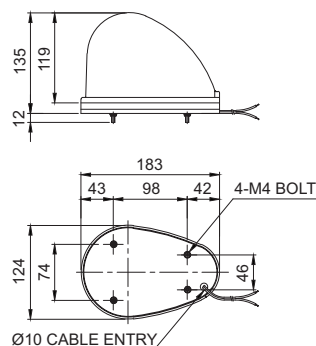
Wiring Instructions

- External Power line(SKLR) UL1015 AWG18(0.75sq) x 2C 400mm
- External Power line(SKMLR) Cigarette lighter plug, IEC42(0.75sq) x 2P 2m
- DC Type: Black output line is negative(-)

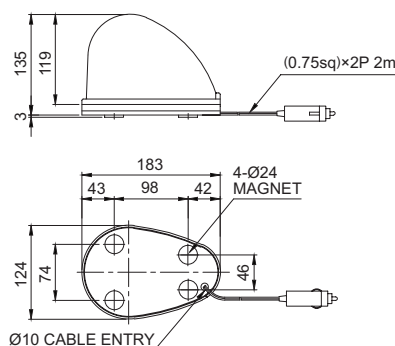
Technical Diagram

Units: mm

SKLR



SKMLR



Ordering Specification

SKLR	-	24	-	R
[Model number]		[Voltage]		[Color]
SKLR		12-DC12V		● R-Red ● A-Amber ● G-Green ● B-Blue
SKMLR		24-DC24V		



SKTL



SKTLB

PRODUCT SPECIFICATION

SKTL | SKTLB
SKTLM | SKTLBM

Materials Lens-PC, Housing-PC

Ambient operating temperature -30°C to +50°C

Protection rating IP66

Flashing rate 60-80/min

- High brightness LED with special light filter structure provides clear signal light transmission even in outdoor environments with intense sunlight
- Excellent vibration and impact resistance with use of polycarbonate lens
- Lens with special coating material maintains transparency even when exposed to harsh environments where scratches, dust and direct sunlight is possible
- Water resistant, dustproof, and weather resistant structure provides excellent durability under harsh environments such as rainstorms, frost, and intense heat
- Different lights from side to side improve efficiency of emergency signal transmission effect (SKTLM/ SKTLBM)
- 4 strong magnets enable secure attachment to the desired place(SKTLM/ SKTLBM)
- Convenient emergency signal sound control with built-in ON/OFF switch(SKTLBM)
- Can select between standard and built-in buzzer type depending on installation environment



SKTL Cube-Shaped LED Warning Light, Direct Mount

Model number	Voltage	Current	Certificates	Weight	Color
SKTL	DC12V -24V	Max. 880mA	CE	0.35kg	● R-Red ● A-Amber ● G-Green ● B-Blue ○ W-White

· Light effect: Strobe

※ CE compliant: DC12V-24V



SKTLB Cube-Shaped LED Warning Light with Built-in Siren Buzzer, Direct Mount

Model number	Voltage	Current	Certificates	Weight	Volume	Color
SKTLB	DC12V	1.13A	CE	0.45kg	Max.105dB	● R-Red ● A-Amber ● G-Green ● B-Blue ○ W-White
	DC24V	560mA		0.45kg		

· Light effect: Strobe

※ CE compliant: DC24V

Customization

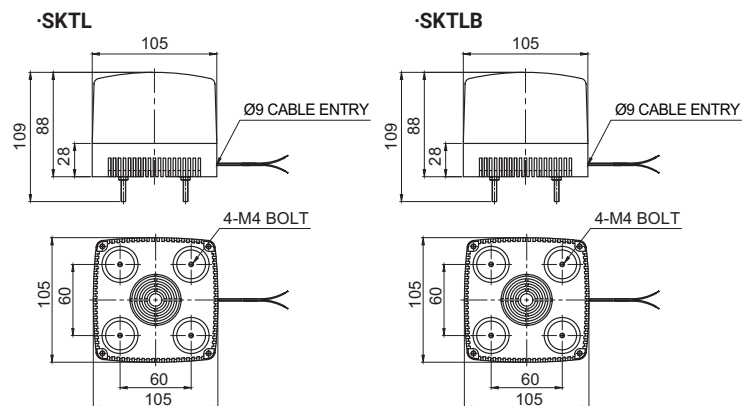
- Strobe left and right,
Flashing left and right(SKTL/SKTLB)

Wiring Instructions

- External Power line(SKTL)
UL1015 AWG18(0.75sq) x 2C 400mm
- External Power line(SKTLB)
UL2464 AWG18(0.75sq) x 3C 400mm
- This product is black output line is negative(-).

Technical Diagram

Units: mm



Ordering Specification

SKTL	-	24	-	R
[Model number]		[Voltage]		[Color]
SKTL SKTLB		12/24-DC12V-24V(SKTL) 12-DC12V 24-DC24V		● R-Red ● A-Amber ● G-Green ● B-Blue ○ W-White

Cubic LED Warning Lights for Vehicles

SKTL Series



SKTLM-Normal cigarette lighter plug,

SKTLBM-Operation controlled by ON/OFF switch attached to the cigarette plug

SKTLM Cube-Shaped LED Warning Light for Vehicles with Magnet

Model number	Voltage	Current	Certificates	Weight	Color
SKTLM	DC12V	275mA	CE	0.45kg	R/B-Red/Blue
	DC24V	115mA			

· 4 strong magnets enable secure attachment to curved vehicle surfaces

· Light effect : Flashing left and right

※ CE compliant: DC12V, DC24V



SKTLM

SKTLBM Cube-Shaped LED Warning Light with Built-in Siren Buzzer with magnet, Direct Mount

Model number	Voltage	Current	Certificates	Weight	Volume	Color
SKTLBM	DC12V	480mA	CE	0.55kg	Max.105dB	R/B-Red/Blue
	DC24V	290mA		0.55kg		

· Sound volume: Max.105dB at 1m

· Easy control of warning sound with built-in ON/OFF switch

· Light effect : Flashing left and right

※ CE compliant: DC24V

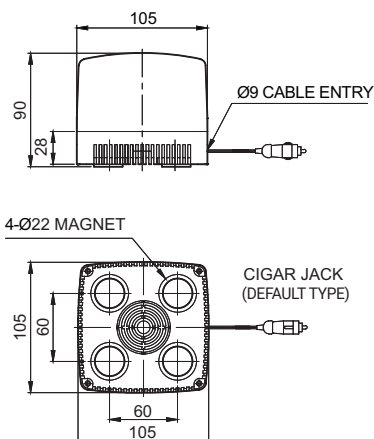


SKTLBM

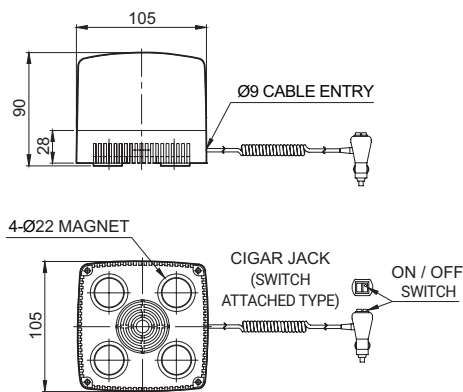
Technical Diagram

Units: mm

·SKTLM



·SKTLBM



The special rubber magnet adheres securely to the vehicle without damaging the surface of the vehicle!

Wiring Instructions

· Cigarette lighter plug, IEC42(0.75sq) x 2P 2m

Ordering Specification

SKTLM	-	24	-	R
[Model number]		[Voltage]		[Color]
SKTLM		12-DC12V		R/B-Red/Blue
SKTLBM		24-DC24V		

Customization

- Color combination except for standard
- Strobe, Strobe left and right (SKTLM/SKTLBM)

Q60L Series



Q60L



Q60LW

PRODUCT SPECIFICATION

Q60L | Q60LW | Q60LP

Materials Lens-PC, Housing-ABS, Mounting bracket-PC

Ambient operating temperature -30°C to +50°C

Volume Max.80dB at 1m

Protection rating IP65

Flashing rate 60-80/min

Compliant with RoHS directive

- Small-sized signal lights of 60mm diameter with attractive appearance
- Shock and vibration-resistant, maintenance reduced with long-lasting energy-efficient LED light bulbs
- Selectable mounts available depending on your application environment (direct mount, wall mount, pole mount)
- Features high visibility with special diffusive lens and direct LED light distribution system
- Built-in switch for selection between steady and flashing light mode
- Can select between standard and built-in buzzer type depending on installation environment

Q60L / Q60LW / Q60LP LED Steady/Flashing Signal Light

Model number	Voltage	Current	Certificates	Weight	Color
Q60L	DC12V-24V	Max.155mA	CE UL	Q60L-0.13kg	● R-Red
Q60LW				Q60LW-0.45kg	● A-Amber
Q60LP	AC110V-220V	Max.60mA		Q60LP-1.06kg (Weight above Include QZ18)	● G-Green ● B-Blue

· Various mounting options are available

※ DC type model has a free-voltage range of 10V-30V.

※ AC type model has a free-voltage range of 100V-240V.

※ UL Listed: DC24V

Wiring Instructions

- External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
- This product can be wired regardless of polarity.

Customization

- Customized pole length available

Wiring Instructions

· Pole mount type

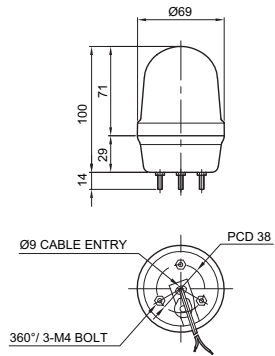
Standard	LB18	LW18	QZ18	SZ18	QL18	SL18
Steel	Steel	ABS	ABS	Al	ABS	Al

※ Please refer to [Tower Light Mounting Bracket] on this catalogue for detailed dimensions

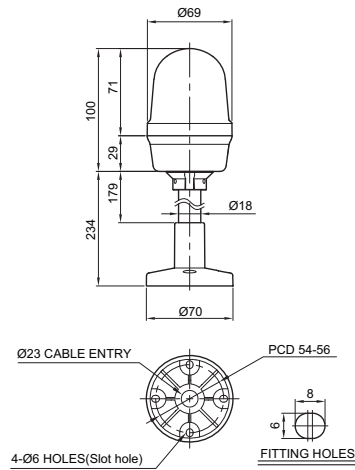
Technical Diagram

Units: mm

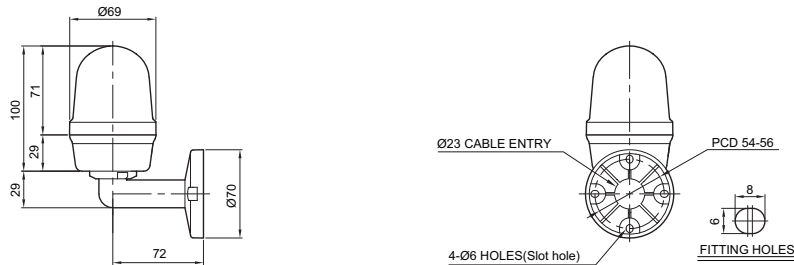
·Q60L(Direct Mount)



·Q60LP(Pole Mount)



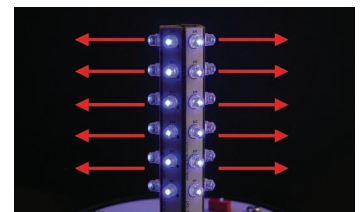
·Q60LW(Wall Mount)



Q60LP
(SZ18 Bracket)

Ordering Specification

Q60LP	-	BZ	-	12/24	-	R	-	QZ18
[Model number] Q60L Q60LW Q60LP		[Buzzer option] (None) - No buzzer BZ - Built-in buzzer		[Voltage] 12/24-DC12V-24V 110/220-AC110V-220V		[Color] ● R-Red ● A-Amber ● G-Green ● B-Blue		[mount bracket] (None) - Standard Bracket -LB18 -LW18 -QZ18 -SZ18 -QL18 -SL18



Direct Light Distribution LED Type

High brightness LED with a direct light distribution system makes the signal bright and clear, visible even from long distances.

Q80L Series



Q80L



Q80LW

PRODUCT SPECIFICATION

Q80L | Q80LW | Q80LP

Materials Lens-PC, housing-ABS, mounting bracket-PC

Ambient operating temperature -30°C to +50°C

Volume Max.80dB at 1m

Protection rating IP65

Flashing rate 60-80/min

Compliant with RoHS directive

- Small-sized signal light of Ø80mm with attractive appearance
- Shock and vibration-resistant, maintenance reduced with long-lasting energy-efficient LED light bulb
- Selectable mounts available depending on your application environment(direct mount, wall mount, pole mount)
- Features high visibility with special diffusive lens and direct LED light distribution system
- Built-in switch for selection between steady and flashing light mode
- Can select between standard and built-in buzzer type depending on installation environment



Q80L / Q80LW / Q80LP LED Steady/Flashing Signal Light

Model number	Voltage	Current	Certificates	Weight	Color
Q80L	DC12V-24V	Max.205mA	CE UL	Q80L-0.15kg	● R-Red ● A-Amber ● G-Green ● B-Blue
Q80LW				Q80LW-0.57kg	
Q80LP	AC110V-220V	Max.65mA		Q80LP-1.09kg (Weight above Include QZ24)	

- Various mounting options are available
- ※ DC type model has a free-voltage range of 10V-30V.
- ※ AC type model has a free-voltage range of 100V-240V.
- ※ UL Listed: DC24V

Wiring Instructions

- External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
- This product can be wired regardless of polarity.

Customization · Customized pole length available

Mounting Bracket

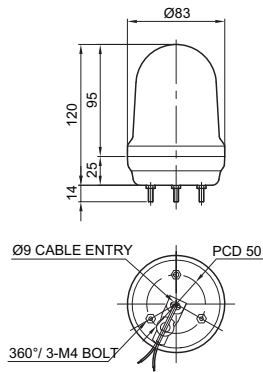
Standard	LB24	LW24	QZ24	SZ24	QL24	SL24
Steel	Steel	ABS	ABS	Al	ABS	Al

Please refer to [Tower Light Mounting Bracket] on this catalogue for detailed dimensions.

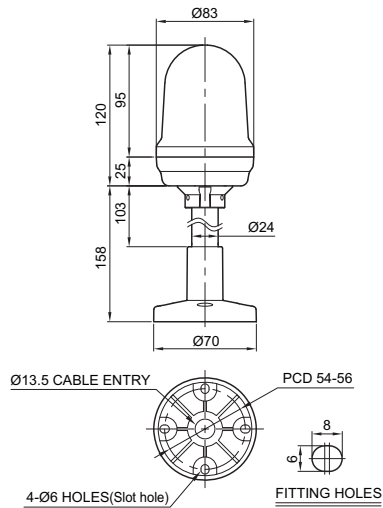
Technical Diagram

Units: mm

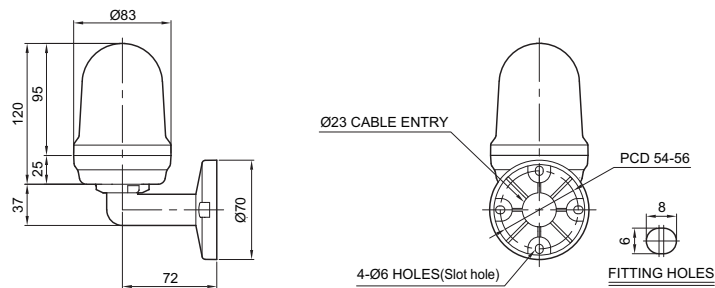
·Q80L



·Q80LP



·Q80LW



Q80LP
(SZ24 Bracket)

Ordering Specification

Q80LP	-	BZ	-	12/24	-	R	-	QZ24
[Model number]		[Buzzer option]		[Voltage]		[Color]		[mount bracket]
Q80L		(None)		12/24-DC12V-24V		● R-Red		(None) - Standard
Q80LW		- No buzzer		110/220-AC110V-220V		● A-Amber		Bracket
Q80LP		BZ				● G-Green		-LB24 -LW24
		- Built-in buzzer				● B-Blue		-QZ24 -SZ24
								-QL24 -SL24

Q100L Series



Q100L



Q100LW

PRODUCT SPECIFICATION

Q100L | Q100LW | Q100LP

Materials Lens-PC, housing-ABS, mounting bracket-PC

Ambient operating temperature -30°C to +50°C

Volume Max.80dB at 1m

Protection rating IP65

Flashing rate 60-80/min

Compliant with RoHS directive

- Small-sized signal light of Ø100mm with attractive appearance
- Shock and vibration-resistant, maintenance reduced with long-lasting energy-efficient LED light bulb
- Selectable mounts available depending on your application environment (direct mount, wall mount, pole mount)
- Features high visibility with special diffusive lens and direct LED light distribution system
- Built-in switch for selection between steady and flashing light mode
- Can select between standard and built-in buzzer type depending on installation environment

Q100L / Q100LW / Q100LP LED Steady/Flashing Signal Light

Model number	Voltage	Current	Certificates	Weight	Color
Q100L	DC12V-24V	Max.270mA	 	Q100L-0.28kg	● R-Red
Q100LW				Q100LW-0.70kg	● A-Amber
Q100LP	AC110V-220V	Max.80mA		Q100LP-1.22kg (Weight above Include QZ24)	● G-Green ● B-Blue

- Various mounting options are available
- ※ DC type model has a free-voltage range of 10V-30V.
- ※ AC type model has a free-voltage range of 100V-240V.
- ※ UL Listed: DC24V

Wiring Instructions

- External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
- This product can be wired regardless of polarity.

Customization · Customized pole length available

Mounting Bracket

Standard	LB24	LW24	QZ24	SZ24	QL24	SL24
						
Steel	Steel	ABS	ABS	Al	ABS	Al

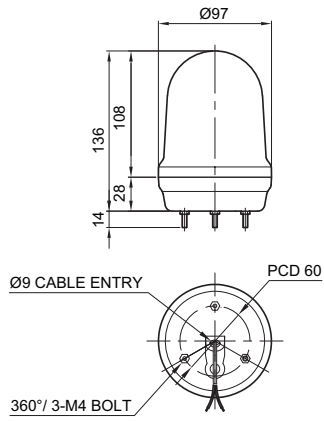
Please refer to [Tower Light Mounting Bracket] on this catalogue for detailed dimensions.



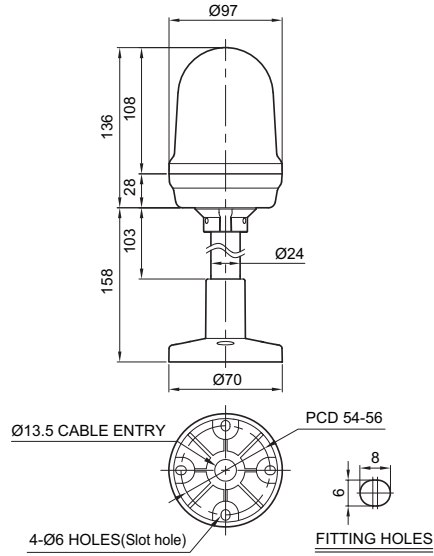
Technical Diagram

Units: mm

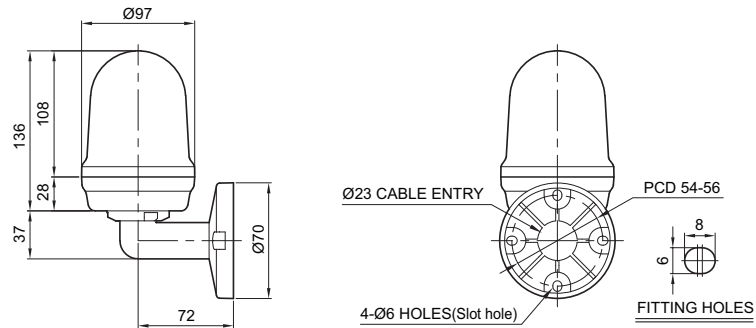
·Q100L



·Q100LP



·Q100LW



Q100LP
(SZ24 Bracket)

Ordering Specification

Q100LP	-	BZ	-	12/24	-	R	-	SZ24
[Model number]		[Buzzer option]		[Voltage]		[Color]		[mount bracket]
Q100L Q100LW Q100LP		(None) - No buzzer BZ - Built-in buzzer		12/24-DC12V-24V 110/220-AC110V-220V		● R-Red ● A-Amber ● G-Green ● B-Blue		(None) - Standard Bracket -LB24 -LW24 -QZ24 -SZ24 -QL24 -SL24

Q125L Series



Q125L



Q125LW

PRODUCT SPECIFICATION

Q125L | Q125LW | Q125LP

Materials Lens-PC, housing-ABS, mounting bracket-PC

Ambient operating temperature -30°C to +50°C

Volume Max.80dB at 1m

Protection rating IP65

Flashing rate 60-80/min60-80/min

Compliant with RoHS directive

- Small-sized signal light of Ø125mm with attractive appearance
- Shock and vibration-resistant, maintenance reduced with long-lasting energy-efficient LED light bulb
- Selectable mounts available depending on your application environment (direct mount, wall mount, pole mount)
- Features high visibility with special diffusive lens and direct LED light distribution system
- Built-in switch for selection between steady and flashing light mode
- Can select between standard and built-in buzzer type depending on installation environment

Q125L / Q125LW / Q125LP LED Steady/Flashing Signal Light

Model number	Voltage	Current	Certificates	Weight	Color
Q125L	DC12V-24V	Max.270mA	CE	Q125L-0.34kg	● R-Red
Q125LW				Q125LW-0.76kg	● A-Amber
Q125LP	AC110V-220V	Max.80mA	UL	Q125LP-1.28kg (Weight above include QZ24)	● G-Green ● B-Blue

· Various mounting options are available

※ DC type model has a free-voltage range of 10V-30V.

※ AC type model has a free-voltage range of 100V-240V.

※ UL Listed: DC24V

Wiring Instructions

- External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
- This product can be wired regardless of polarity.

Customization

- Customized pole length available

Mounting Bracket

Standard	LB24	LW24	QZ24	SZ24	QL24	SL24
Steel	Steel	ABS	ABS	Al	ABS	Al

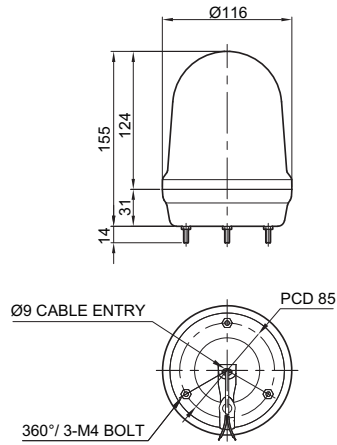
Please refer to [Tower Light Mounting Bracket] on this catalogue for detailed dimensions.



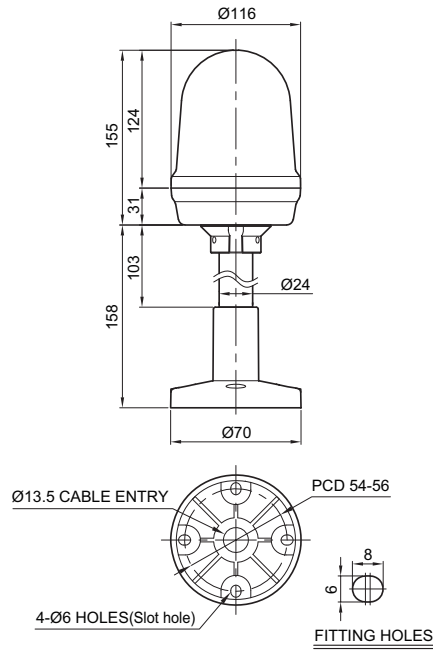
Technical Diagram

Units: mm

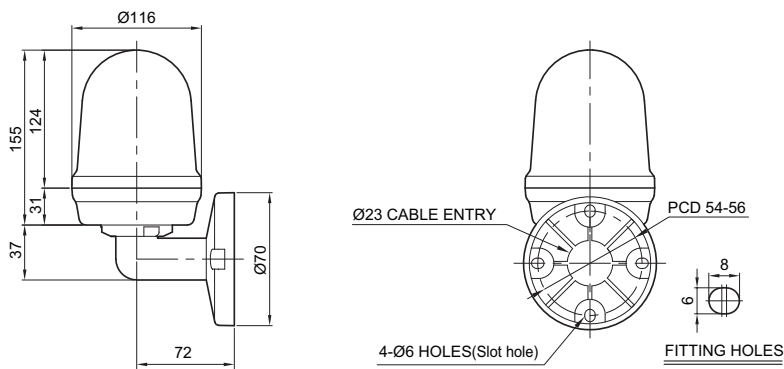
·Q125L



·Q125LP



·Q125LW



Q125LP
(SZ24 Bracket)

Ordering Specification

Q125LP	-	BZ	-	12/24	-	R	-	SZ24
[Model number]		[Buzzer option]		[Voltage]		[Color]		[mount bracket]
Q125L		(None)		12/24-DC12V-24V		● R-Red		(None) - Standard Bracket
Q125LW		- No buzzer		110/220-AC110V220V		● A-Amber		-LB24 -LW24
Q125LP		BZ				● G-Green		-QZ24 -SZ24
		- Built-in buzzer				● B-Blue		-QL24 -SL24

Ø100mm Simulated Revolving, Flashing, Strobe beacon light

EQ100



EQ100

PRODUCT SPECIFICATION

EQ100

Materials Lens-PC, Housing-ABS

Ambient operating temperature -30°C to +50°C

Volume Max.90dB at 1m(Built-in buzzer type)

Protection rating IP44

Simulated revolving type(LR) flashing rates 120-140RPM

Strobe type(LS) flashing rates 70-80/min

Compliant with RoHS directive

- Standard-sized signal lights of Ø100mm with attractive appearance
- Direct mount type with the three bolts/screws located on the bottom of the product
- Shock and vibration-resistant, maintenance reduced with long-lasting energy efficient LED light
- Features high visibility with special diffusive lens and direct LED light distribution system

Manual switch to select operation

Please refer to the chart below to use light function selection switch located inside the product.

ON=1
OFF=0



Light function

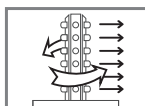
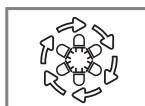
ON

LED Strobe

OFF

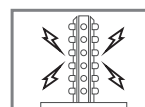
LED Simulated revolving flashing

Operation



• LED Simulated Revolving

LEDs flash steadily around the cylindrical LED filaments which makes a simulated revolving effect



• LED Strobe

Short LED Steady/ Flashing cycle. Creates a xenon flashing effect by providing maximum electric current

EQ100 Ø100mm Simulated Revolving, Flashing, Strobe beacon light

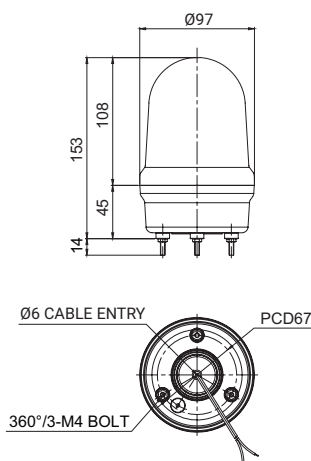
Model number	Voltage	Current	Certificates	Weight	Color
EQ100	DC24V	95mA	-	0.30kg	● R-Red
EQ100-BZ	AC220V	160mA			● A-Amber ● G-Green ● B-Blue

※ LR(Simulated revolving)/ LF(Flashing) type is available.

Technical Diagram

·EQ100

Units: mm



Wiring Instructions

- External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
- DC Type: Black output line is negative(-)

Ordering Specification

EQ100	-	BZ	-	24	-	R
[Model number]		[Buzzer option]		[Voltage]		[Color]
EQ100		(None)		24-DC24V		● R-Red
EQ100-BZ		- No buzzer		220-AC220V		● A-Amber
		BZ				● G-Green
		- Built-in buzzer				● B-Blue

Ø150mm Large Sized Warning Lights

S150 Series



PRODUCT SPECIFICATION

S150U | S150ULR
S150U-FT | S150ULR-FT

Materials Lens-PC, Housing-ABS, Reflector-PC,
Reflector-Heat resistant ABS, Mounting bracket-STS316L
Ambient operating temperature -20°C to +50°C
Volume Max.90dB at 1m
Protection rating IP44
Revolving speed 120-140RPM

- Special Power transmission system which allows low noise and less wear
- Mounting bracket allows convenient installation in case of XXX-FT type
- Can select between standard and built-in buzzer type depending on installation environment



S150U



S150ULR-FT

S150U / S150U-FT Bulb Revolving Warning Light

Model number	Voltage	Current	Bulb			Certificates	Weight	Color
			Spec	Standard	Parts no			
S150U S150U-FT	DC12V	1.5A	12V15W	G23 15S	17	CE	0.65kg	● R-Red
	DC24V	850mA	24V15W	G23 15S	18		0.65kg	● A-Amber
	AC110V	200mA	12V15W	G23 15S	17		1.04kg	● G-Green
	AC220V	100mA	12V15W	G23 15S	17		1.04kg	● B-Blue

- Suitable for Long distance signal transmission by adopting high capacity bulb and large sized reflector
- ※ CE compliant: DC12V, DC24V

S150ULR / S150ULR-FT LED Revolving Warning Lights

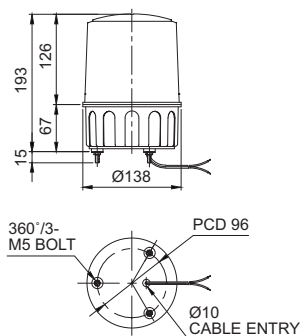
Model number	Voltage	Current	Certificates	Weight	Color
S150ULR S150ULR-FT	DC12V	520mA	-	0.66kg	● R-Red
	DC24V	260mA		0.66kg	● A-Amber
	AC110V	80mA		0.85kg	● G-Green
	AC220V	45mA		0.85kg	● B-Blue

- Excellent omni-directional visibility with LED light collecting system and special multifaceted reflector

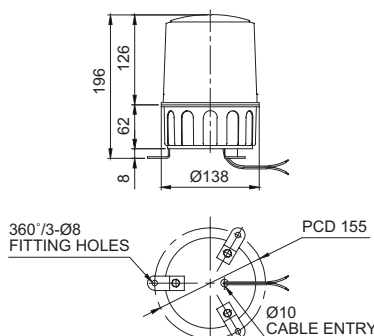
Technical Diagram

Units: mm

·S150U / S150ULR



·S150U-FT / S150ULR-FT



Wiring Instructions

- External Power line
UL1015 AWG18(0.75sq) x 2C 400mm
- DC Type
: Black output line is negative (-)
- S150U AC specifications:
110VAC model is connected to black and white wires while 220VAC model is connected to black and red wires.
- S150ULR AC specifications:
AC110V and AC220V can be selected with a built-in 110/220V switch.

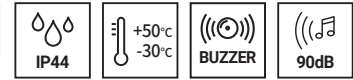
Ordering Specification

S150U	-	BZ	-	220	-	R
[Model number]		[Buzzer option]		[Voltage]		[Color]
S150U		(None)		12-DC12V		● R-Red
S150U-FT		- No buzzer		24-DC24V		● A-Amber
S150ULR		BZ		110-AC110V		● G-Green
S150ULR-FT		- Built-in buzzer		220-AC220V		● B-Blue

Customization

- 2 buzzer sound types: Both prolonged (beep, beep) and staccato (beep, beep) buzzer output available

S150 Series



S150UL / S150US



S150UL-FT / S150US-FT

PRODUCT SPECIFICATION

S150UL | S150US
S150UL-FT | S150US-FT

Materials Lens-PC, Housing-ABS,
Reflector-Heat resistant ABS, Mounting bracket-STS316L
Ambient operating temperature -30°C to +50°C
Volume Max.90dB at 1m
Protection rating IP44
Flashing rate 60-80/min

- Can select between standard and built-in buzzer type depending on installation environment
- Mounting bracket allows convenient installation in case of XXX-FT type

S150UL / S150UL-FT LED Steady/Flashing Signal Light

Model number	Voltage	Current	Certificates	Weight	Color
S150UL S150UL-FT	DC12V-24V	Max.300mA	-	0.52kg	● R-Red
	AC110V	70mA		0.92kg	● A-Amber
	AC220V	35mA		0.92kg	● G-Green ● B-Blue

- Built-in switch for selection between steady and flashing mode

S150US / S150US-FT Xenon Lamp Strobe Signal Lights

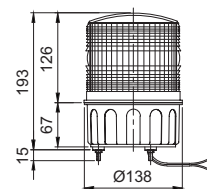
Model number	Voltage	Current	Xenon lamp			Certificates	Weight	Color
			Spec	Standard	Parts no			
S150US S150US-FT	DC12V	Max.	200V -550V	EUB0641 -1A(G) U Type	48	-	0.56kg	● R-Red
	-24V	1.3A					0.54kg	● A-Amber
	AC110V	260mA					0.54kg	● G-Green ● B-Blue
	AC220V	270mA						

- Connector type lamp socket allows convenient lamp replacement

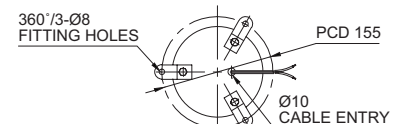
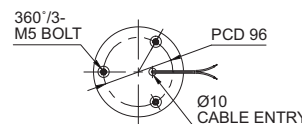
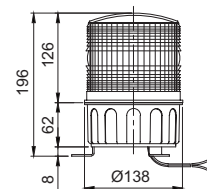
Technical Diagram

Units: mm

·S150UL / S150US



·S150UL-FT / S150US-FT



Wiring Instructions

- External Power line - UL1015 AWG18(0.75sq)×2C 400mm
- Product can be wired regardless of polarity

Customization

- 2 buzzer sound types: Both prolonged (beep, beep) and staccato (beep, beep) buzzer output available.
- Hyper illuminance xenon lamp type(model number: S150UHS / S150UHS-FT)

Ordering Specification

S150UL	-	BZ	-	220	-	R
[Model number]		[Buzzer option]		[Voltage]		[Color]
S150UL		(None)		12/24-DC12V-24V		● R-Red
S150UL-FT		- No buzzer		110-AC110V		● A-Amber
S150US		BZ		220-AC220V		● G-Green
S150US-FT		- Built-in buzzer				● B-Blue



Hyper illuminance xenon lamp

- S150US/S150US-FT can be optionally equipped with a hyper illuminance xenon lamp bulb BH0647(G) upon the customer's request.(model number : S150UHS/S150UHS-FT)
- Dimension, mounting hole and other functions are identical with normal type.

Ø180mm Bulb Revolving Warning Lights

S180 Series



PRODUCT SPECIFICATION

S180U

Materials Lens-AS, Housing-ABS, Reflector-PC
Ambient operating temperature -20°C to +50°C
Volume Max.90dB at 1m
Protection rating IP44
Revolving speed 120-140RPM

- Excellent long distance signal transmission effect with 35W capacity bulb and dual reflectors
- A spare bulb is provided inside the product for quick replacement if provided



S180U

S180U Bulb Revolving Warning Light

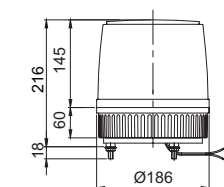
Model number	Voltage	Current	Bulb			Certificates	Weight	Color
			Spec	Standard	Parts no			
S180U	DC12V	3.4A	12V35W	RP35 15S	29	CE	0.89kg	● R-Red
	DC24V	1.65A	24V35W	RP35 15S	30		0.89kg	● A-Amber
	AC110V	410mA	12V35W	RP35 15S	29		1.65kg	● G-Green
	AC220V	190mA	12V35W	RP35 15S	29		1.65kg	● B-Blue

※ CE compliant: DC24V

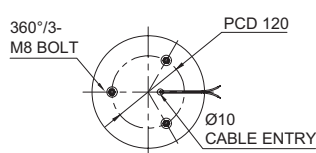
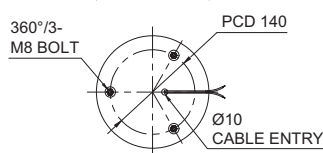
Technical Diagram

Units: mm

S180U



※ Products that Mount size 120mm are available upon request



S180U has a spare bulb inside the product for easy replacement if required.

Wiring Instructions

- External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
- DC Type: Black output line is negative(-)
- For the wiring of 110 & 220VAC combination model, 110VAC model is connected to black and white wires while 220VAC model is connected to black and red wires.

Ordering Specification

S180U	-	BZ	-	220	-	R
[Model number]		[Buzzer option]		[Voltage]		[Color]
S180U		(None)		12-DC12V		● R-Red
		- No buzzer		24-DC24V		● A-Amber
		BZ		110-AC110V		● G-Green
		- Built-in buzzer		220-AC220V		● B-Blue

Customization

- 2 buzzer sound types: Both prolonged (beep, beep) and staccato (beep, beep, beep) buzzer output available
- The product mount hole size 120mm (PCD 120mm)



S180US / S180UHS

PRODUCT SPECIFICATION

S180US | S180UHS

Materials Lens-ABS, Housing-ABS

Ambient operating temperature 30°C to +50°C

Volume Max.90dB at 1m

Protection rating IP44

Flashing rate 60-80/min(2 time consecutively flashing off or two in a row)

- Excellent long distance visibility from flashing light of the high capacity xenon lamp
- Adopts a translucent lens which provides a luminous light and subdued signal
- Convenient lamp change adopts lamp connector type structure
- Can select between standard and built-in buzzer type depending on installation environment

S180US Xenon Lamp Strobe Signal Lights

Model number	Voltage	Current	Xenon lamp			Certificates	Weight	Color
			Spec	Standard	Parts no			
S180US	DC12V -24V	Max. 1.35A	280V -400V	BH0647 (G) W Type	49	-	0.84kg	● R-Red
	AC110V	300mA					0.80kg	● A-Amber
	AC220V	220mA					0.80kg	● G-Green ● B-Blue

S180UHS Hyper Brightness Xenon Lamp Strobe Signal Light

Model number	Voltage	Current	Xenon lamp			Certificates	Weight	Color
			Spec	Standard	Parts no			
S180UHS	DC12V -24V	Max. 2.28A	280V -400V	BH0647 (G) W Type	49	-	1.18kg	● R-Red
	AC110V	890mA					1.02kg	● A-Amber
	AC220V	500mA					1.02kg	● G-Green ● B-Blue



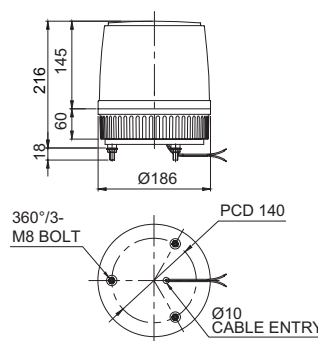
S180UHS type is a product that improves long distant visibility by equipping three high-intensity xenon lamps.

The high performance product is typically used in harbor where there is fog, or mills/steel mills where there is dust.

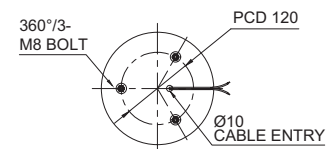
Technical Diagram

Units: mm

S180US / S180UHS



※ Products that Mount size 120mm are available upon request



Wiring Instructions

- External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
- DC Type: Black output line is negative(-)

Ordering Specification

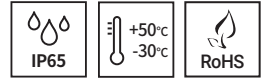
S180US	-	BZ	-	220	-	R
[Model number]		[Buzzer option]		[Voltage]		[Color]
S180US		(None)		12/24-DC12V-24V		● R-Red
S180UHS		- No buzzer		110-AC110V		● A-Amber
		BZ		220-AC220V		● G-Green
		- Built-in buzzer				● B-Blue

Customization

- 2 buzzer sound types: Both prolonged (beep, beep) and staccato (beep, beep) buzzer output available
- The product mount hole size 120mm (PCD 120mm)

Ø80mm LED Steady Signal Light

S80NL



Superior LED light output through a special diffusion globe and light shield

PRODUCT SPECIFICATION

S80NL

Materials Lens-PC, Housing-ABS+GF
Ambient operating temperature -30°C to +50°C
Protection rating IP65
Compliant with RoHS directive

- Ø80mm LED Steady Signal Light
- Compliant with international standard (ISO 18497 - Safety principles for the design of automated agricultural machinery)
- LED light source provides excellent durability in environments with severe vibration and impact such as conveyor systems and agricultural machinery
- Each LED layer displays a single color (red, amber, green, or white) according to the equipment operating status
- Clear color indication through the application of a light-shield structure for each tier
- Powerful LED signal light emission through a convex lens structure
- Adopts an excellent light distribution structure for high visibility in bright environments



S80NL

S80NL Ø80mm LED Steady Signal Light

Model number	Voltage	Certificates	Weight	Color
S80NL	DC12V-24V	CE	0.50kg	● R-Red ● A-Amber ● G-Green ○ W-White

※ DC type model has a free-voltage range of 10V-30V

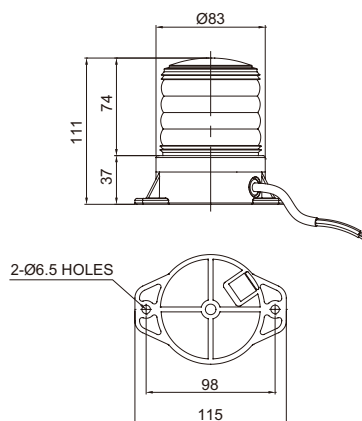
Light source current(based on 1 layer)

Voltage	DC12V	DC24V
Light source current(1 layer)	Max.240mA	Max.120mA

Technical Diagram

Units: mm

·S80NL



Wiring Instructions

- External Power line UL2464 AWG22(0.3sq) x 5C 400mm
- This product can be wired regardless of polarity.

Ordering Specification

S80NL	-	12/24	-	RAGW
[Model number]		[Voltage]		[Color]
S80NL		12/24-DC12V-24V		● R-Red ● A-Amber ● G-Green ○ W-White

MFL Series

Operating steady/flashing, strobe, simulated revolving flashing, Multiple function LED signal lights



MFL60

PRODUCT SPECIFICATION

MFL60 | MFL80
MFL100 | MFL125

Materials Lens-PC, Housing-ABS

Ambient operating temperature -30°C to +50°C

Volume Max.80dB at 1m

Protection rating IP65

Simulated revolving type(LR) flashing rates 120-140RPM

Flashing type(LF) flashing rates 60-80/min

Strobe type(LS) flashing rates 70-80/min

Compliant with RoHS directive

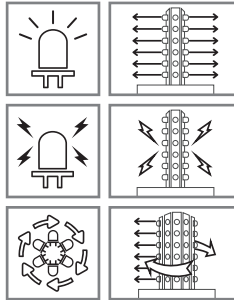
- Product has multi functions of LED Steady/Flashing, strobe, and simulated revolving
- Operating options with switches inside product or external connect
- Shock and vibration-resistant, maintenance reduced with long-lasting energy-efficient LED light bulb
- Can select between standard and built-in buzzer type depending on installation environment
- M12 connector type is optionally available(Female M12 connector is not provided)

Manual switch to select operation

ON=1/OFF=0 Operate 4 kinds of function by dip switches

No.	1	2	Operation
0	0	0	LED Steady
1	0	1	LED flashing
2	1	0	LED Strobe
3	1	1	LED Simulated revolving flashing

Operation



• LED Steady/Flashing

Repeat operation of LED signal light on/off

• LED Strobe

Short LED Steady/ Flashing cycle. Creates a xenon flashing effect by providing maximum electric current

• LED Simulated Revolving

LEDs flash steadily around the cylindrical LED filaments which makes a simulated revolving effect

MFL60 Ø60mm Multiple Function LED Signal Lights

Model number	Voltage	Current	Certificates	Weight	Color
MFL60	DC12V-24V	Max.118mA	CE	0.21kg	
	AC110V-220V	Max.60mA	UL	0.32kg	

※ UL Listed: DC12V-24V

MFL80 Ø80mm Multiple Function LED Signal Lights

Model number	Voltage	Current	Certificates	Weight	Color
MFL80	DC12V-24V	Max.118mA	CE	0.28kg	
	AC110V-220V	Max.75mA	UL	0.51kg	

※ UL Listed: DC12V-24V

MFL100 Ø100mm Multiple Function LED Signal Lights

Model number	Voltage	Current	Certificates	Weight	Color
MFL100	DC12V-24V	Max.118mA	CE	0.30kg	
	AC110V-220V	Max.90mA	UL	0.52kg	

※ UL Listed: DC12V-24V, KC compliant: DC12V, Buzzer type only

MFL125 Ø125mm Multiple Function LED Signal Lights

Model number	Voltage	Current	Certificates	Weight	Color
MFL125	DC12V-24V	Max.118mA	CE	0.52kg	
	AC110V-220V	Max.90mA	UL	0.92kg	

※ DC type model has a free-voltage range of 10V-30V, AC type model has a free-voltage range of 100V-240V.

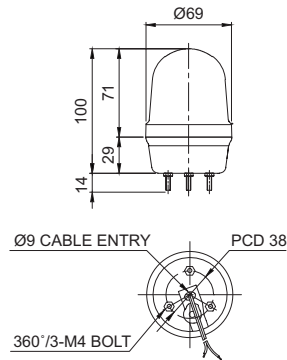
※ UL Listed: DC12V-24V



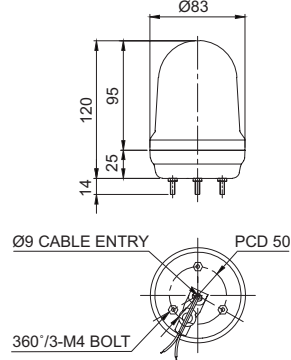
Technical Diagram

Units: mm

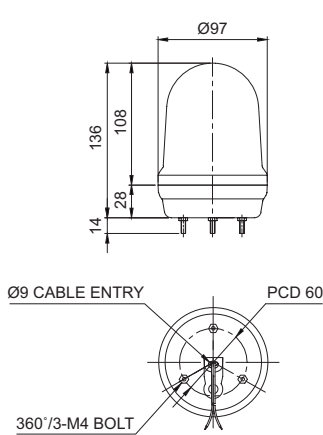
•MFL60



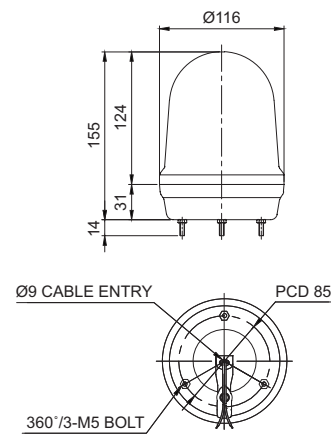
•MFL80



•MFL100



•MFL125



MFL80



MFL100



MFL125

Wiring Instructions

- External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
- This product can be wired regardless of polarity.

Customization

- Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount

MFL60		MFL80		MFL100 / MFL125	
Wall Mount Bracket TWS45	Wall Mount Bracket TWA45	Wall Mount Bracket TWS80	Wall Mount Bracket TWA80	Wall Mount Bracket SWP125	Wall Mount Bracket SWM125

- Wall-mounted type/Pole-mounted type: For detailed mounting information, please refer to the Q Series in this catalog.

Ordering Specification

MFL100	-	BZ	-	110/220	-	R
[Model number]		[Buzzer option]		[Voltage]		[Color]
MFL60 MFL80 MFL100 MFL125		(None) - No buzzer BZ - Built-in buzzer		12/24-DC12V-24V 110/220-AC110V-220V		● R-Red ● A-Amber ● G-Green ● B-Blue

Solar Rechargeable LED Flashing Signal Lights

SOL Series

SOL solar light model does not require external Power supply or wiring!



S80SOL

PRODUCT SPECIFICATION

S80SOL | S100SOL
S125SOL

Materials Lens-PC, Body-ABS

Reflector-Heat resistant ABS

Ambient operating temperature -25°C to +50°C

Protection rating IP54

Flashing rate 60-80/min

- Solar rechargeable LED flashing signal light that does not require an external Power supply or wiring
- Built-in Darkness Detection System that automatically begins to operate when darkness is detected
- Fully enclosed structure that can withstand storm and severe dust environments(IP54)
- Prevents discharge using a built-in Power switch



S80SOL Ø80mm Solar Rechargeable LED Flashing Signal Light

Model number	Battery Voltage	Battery Capacity	Continuous operating time with no charge	Certificates	Weight	Color
S80SOL	2.4V	2.5Ah	30hr	CE	0.27kg	● R-Red ● A-Amber

- Ø80mm Compact model
- A single charge (8 hours) serves up to 30 hours of continuous operation



S100SOL Ø100mm Solar Rechargeable LED Flashing Signal Light

Model number	Battery Voltage	Battery Capacity	Continuous operating time with no charge	Certificates	Weight	Color
S100SOL	2.4V	2.5Ah	40hr	CE	0.41kg	● R-Red ● A-Amber

- Ø100mm model for general purpose
- 40 hours operation continuous by 1 time recharge(8 hours)



S125SOL Ø125mm Solar Rechargeable LED Flashing Signal Light

Model number	Battery Voltage	Battery Capacity	Continuous operating time with no charge	Certificates	Weight	Color
S125SOL	2.4V	2.5Ah	50hr	CE	0.51kg	● R-Red ● A-Amber

- Ø125mm standard item
- 50 hours of continuous operation from 1 time recharge(8 hours)

Features High Energy Efficiency and Longevity

SOL Solar light models can be used in environmental conditions where Power supply is limited or wiring is difficult.

Features High Energy Efficiency and Longevity

Qlight's solar rechargeable signal lights have a special design that mounts the solar panels inside a structure that minimizes adverse effects such as dust and moisture. This improves the efficiency and extends the lifetime of the product.

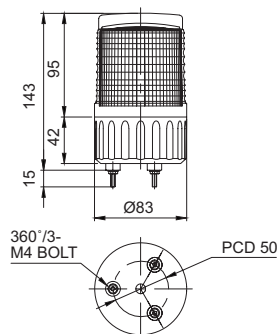




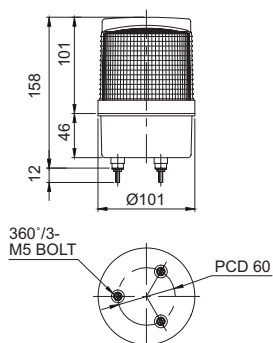
Technical Diagram

Units: mm

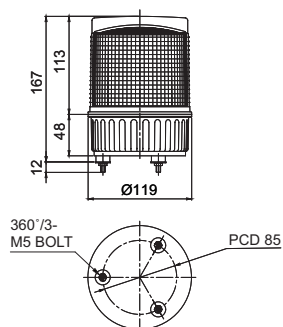
·S80SOL



·S100SOL



·S125SOL



S100SOL



S125SOL

Customization

- Magnetic mounting bracket
- Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount

S80SOL		S100SOL / S125SOL	
			
Wall Mount Bracket TWS80	Wall Mount Bracket TWA80	Wall Mount Bracket SWP125	Wall Mount Bracket SWM125

Ordering Specification

S80SOL	-	R
[Model number]		[Color]
S80SOL		● R-Red
S100SOL		● A-Amber
S125SOL		

Multiple Color LED Steady/Flashing Signal Lights

SMCL Series

Signal lights that produces two or three multicolored LED signals



SMCL80



SMCL100



SMCL125

PRODUCT SPECIFICATION

SMCL80 | SMCL100
SMCL125

Materials Lens-ABS(SMCL80), PC(SMCL100, 125)

Body-ABS, Reflector-Heat resistant ABS

Ambient operating temperature -30°C to +50°C

Volume Max.90dB at 1m

Protection rating IP44

Flashing rate 60-80/min

Compliant with RoHS directive

- Ideal for locations where space requirements need one warning light to convey multiple color signals
- LED light distribution system with multi-tiered reflector provides uniformed light signals throughout the entire lens
- The subdued light provides a comfortable and stable viewing condition for operation in close proximity
- Can select between steady/ flashing mode

SMCL80 Ø80mm Multiple Color LED Steady/ Flashing Signal Light

Model number	Voltage	Current	Certificates	Weight	Color
SMCL80	DC12V-24V	Max.260mA		0.18kg	 R-Red
	AC110V	110mA		0.28kg	 A-Amber
	AC220V	60mA		0.28kg	 G-Green

SMCL100 Ø100mm Multiple Color LED Steady/ Flashing Signal Light

Model number	Voltage	Current	Certificates	Weight	Color
SMCL100	DC12V-24V	Max.470mA		0.23kg	 R-Red
	AC110V	140mA		0.32kg	 A-Amber
	AC220V	70mA		0.32kg	 G-Green

SMCL125 Ø125mm Multiple Color LED Steady/ Flashing LED Signal Light

Model number	Voltage	Current	Certificates	Weight	Color
SMCL125	DC12V-24V	Max.510mA		0.27kg	 R-Red
	AC110V	150mA		0.36kg	 A-Amber
	AC220V	80mA		0.36kg	 G-Green

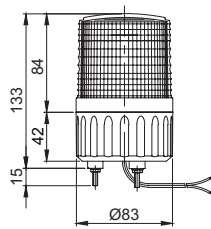
Wiring Instructions

- SMCL type can be wired with external contacts and transistor
- Wiring to transistor, use the NPN transistor. Please wire properly based on wiring instructions.
- External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
- External signal line - UL1007 AWG22(0.3sq) 400mm
- This product can be wired regardless of polarity.

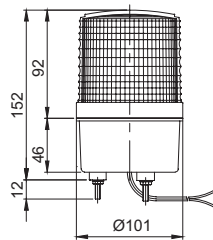
Technical Diagram

Units: mm

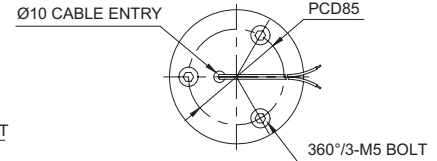
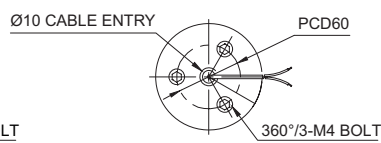
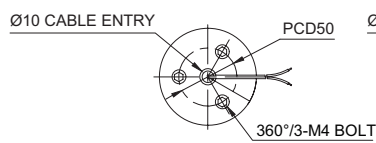
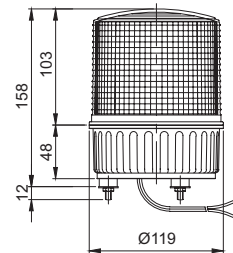
·SMCL80



·SMCL100

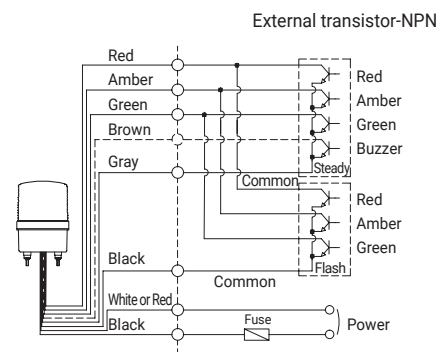
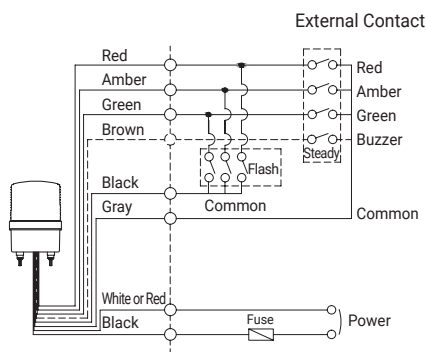


·SMCL125



Wiring Instructions

·SMCL80 / SMCL100 / SMCL125-DC/AC



Customization

· Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount

SMCL80		SMCL100 / SMCL125	
Wall Mount Bracket TWS80	Wall Mount Bracket TWA80	Wall Mount Bracket SWP125	Wall Mount Bracket SWM125

Ordering Specification

SMCL100	-	BZ	-	3	-	220	-	RAG
[Model number]		[Buzzer option]		[Color]		[Voltage]		[Color]
SMCL80 SMCL100 SMCL125		(None) - No buzzer BZ - Built-in buzzer		2-2colors 3-3colors		12/24-DC12V-24V 110-AC110V 220-AC220V		R-Red A-Amber G-Green

Multiple Color LED Steady Signal Lights

QMCL Series

Multiple Color Signal Light with Seven Color Options



QMCL60



QMCL100

PRODUCT SPECIFICATION

QMCL60 | QMCL80
QMCL100 | QMCL125

Materials Lens-PC, Body-ABS

Ambient operating temperature -30°C to +50°C

Volume Max.80dB at 1m

Protection rating IP65

Compliant with RoHS directive

- Helps reduce the costs of installation by reducing the space needed to emit seven color signals in a single warning light
- Translucent color when off, the soft LED illuminates designated color when on
- Can select between standard and built-in buzzer type depending on installation environment
- M12 connector type is optionally available(Female M12 connector is not provided)

QMCL60 Ø60mm Multiple Color LED Steady Signal Lights

Model number	Voltage	Current	Certificates	Weight	Color
QMCL60	DC12V	170mA	CE	0.12kg	7 Color
	DC24V	70mA	UL	0.12kg	

QMCL80 Ø80mm Multiple Color LED Steady Signal Lights

Model number	Voltage	Current	Certificates	Weight	Color
QMCL80	DC12V	190mA	CE	0.17kg	7 Color
	DC24V	135mA	UL	0.17kg	

QMCL100 Ø100mm Multiple Color LED Steady Signal Lights

Model number	Voltage	Current	Certificates	Weight	Color
QMCL100	DC12V	225mA	CE	0.24kg	7 Color
	DC24V	135mA	UL	0.24kg	

QMCL125 Ø125mm Multiple Color LED Steady Signal Lights

Model number	Voltage	Current	Certificates	Weight	Color
QMCL125	DC12V	235mA	CE	0.31kg	7 Color
	DC24V	190mA	UL	0.31kg	

Light source/buzzer current

Model number	Voltage	DC12V	DC24V
QMCL60	Light source current	170mA	70mA
	Buzzer current	45mA	65mA
QMCL80	Light source current	190mA	135mA
	Buzzer current	45mA	65mA
QMCL100	Light source current	225mA	135mA
	Buzzer current	45mA	65mA
QMCL125	Light source current	235mA	190mA
	Buzzer current	45mA	65mA

Signal Color Options



RED

GREEN

BLUE

AMBER

CYAN

PURPLE

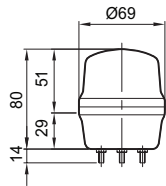
WHITE



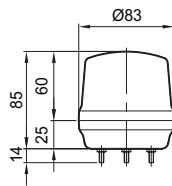
Technical Diagram

Units: mm

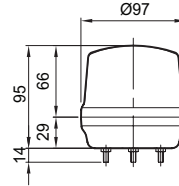
·QMCL60



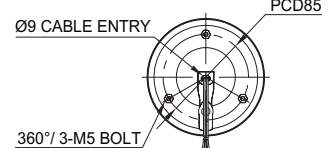
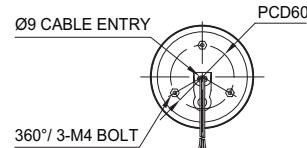
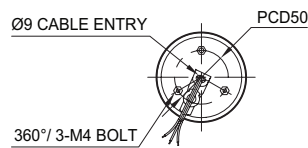
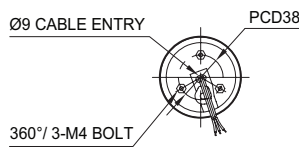
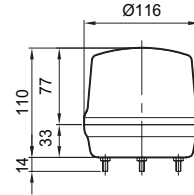
·QMCL80



·QMCL100

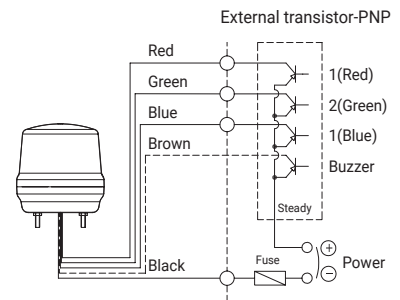
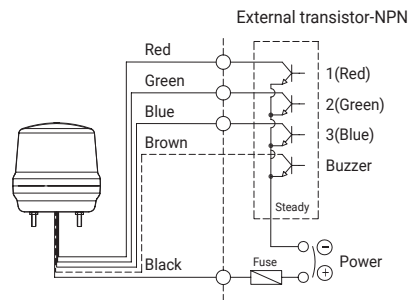
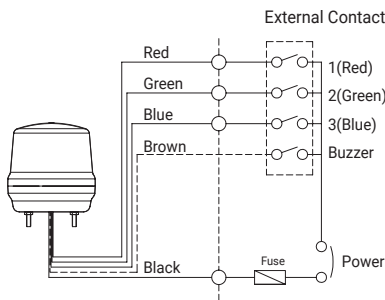


·QMCL125



Wiring Instructions

·QMCL60 / QMCL80 / QMCL100 / QMCL125-DC



Customization

- Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount

QMCL60		QMCL80		QMCL100 / QMCL125	
Wall Mount Bracket TWS45	Wall Mount Bracket TWA45	Wall Mount Bracket TWS80	Wall Mount Bracket TWA80	Wall Mount Bracket SWP125	Wall Mount Bracket SWM125

Wiring Configuration for Signal Color

No.	Color	Wiring
1	RED	1(Red)
2	GREEN	2(Green)
3	BLUE	3(Blue)
4	AMBER	1(Red)+2(Green)
5	CYAN	2(Green)+3(Blue)
6	PURPLE	1(Red)+3(Blue)
7	WHITE	1(Red)+2(Green)+3(Blue)

Ordering Specification

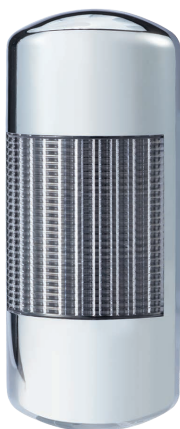
QMCL80	-	BZ	-	24
[Model number]		[Buzzer option]		[Voltage]
QMCL60		(None)		12-DC12V
QMCL80		- No buzzer		24-DC24V
QMCL100		BZ		
QMCL125		- Built-in buzzer		

Wiring Instructions

- External Power line/External signal line UL1007 AWG22(0.3sq) 400mm
- This product can be wired regardless of polarity.
- Please refer to Wiring Instructions diagram to properly configure color options.

SWTC Series

New innovative LED signal light that can be configure with 2-3 colors in 1 signal light



SWTC
Chromium Plated Body



SWTCE

PRODUCT SPECIFICATION

SWTC | SWTCE

Materials Cover-ABS, Body-ABS, Filter Lens-PC
Ambient operating temperature -30°C to +50°C
Volume Max.90dB at 1m
Protection rating IP55
Lens Colors Arrangement
 Two colors: ● Red ● Green
 Three colors: ● Red ● Amber ● Green
Compliant with RoHS directive

- Cost effective model which transfers two or three signals with one lamp
- Wide angle lens structure provides excellent visibility in all directions
- Excellent visibility by adopting direct LED light radiation structure
- Tightly sealed structure allows outdoor installation
- Can select between standard and built-in buzzer type depending on installation environment

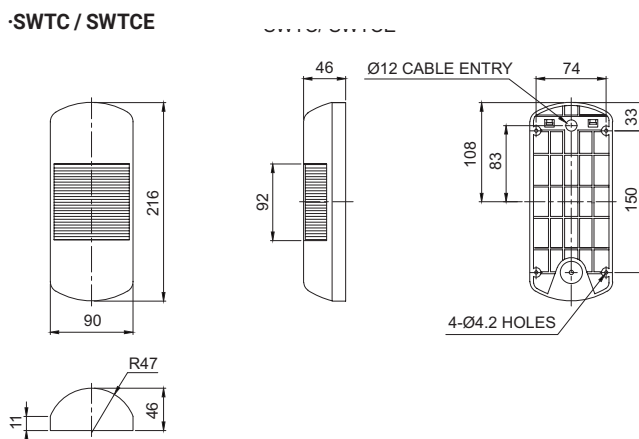
SWTC / SWTCE Wall Mounting Multiple Color LED Steady/Flashing Signal Lights

Model number	Voltage	Current	Certificates	Weight	Color		
SWTCL Steady	DC12V-24V	Max.445mA	CE	0.31kg	R-Red A-Amber G-Green		
SWTCLF Steady/Flashing	AC110V	155mA		0.46kg			
SWTCEL Steady							
SWTCLF Steady/Flashing	AC220V	85mA		0.46kg			

※ CE compliant: DC24V

Technical Diagram

Units: mm



Wiring Instructions

- External Power line
UL1015 AWG18(0.75sq) x 2C 400mm
- External signal line
UL1007 AWG22(0.3sq) 400mm

Customization

- Special color combination
- 2 buzzer sound types: Both prolonged (beep, beep) and staccato (beep, beep) buzzer output available

Ordering Specification

SWTCL	-	BZ	-	3	-	220	-	RAG
[Model number]		[Buzzer option]		[Color]		[Voltage]		[Color]
SWTCL		(None)		2-2colors		12/24-DC12V-24V		● R-Red
SWTCLF		- No buzzer		3-3colors		110-AC110V		● A-Amber
SWTCEL		BZ				220-AC220V		● G-Green
SWTCLF		- Built-in buzzer						



Wiring Instructions

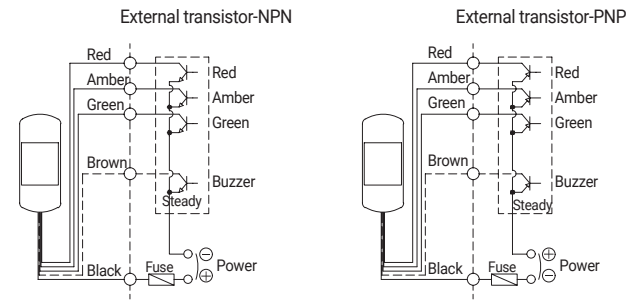
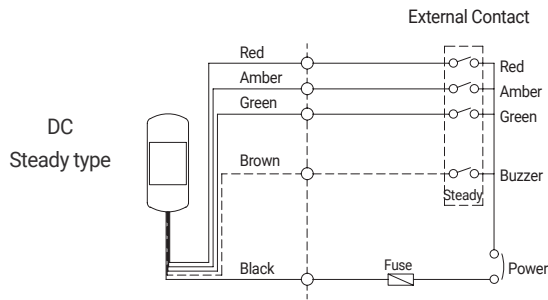
- SWTC Series can be wired with External Contacts and transistors
- When using a transistor, please choose between the NPN transistor or PNP transistor which best matches the voltage and product type, then connect them correctly according to the wiring diagram below.
- This product can be wired regardless of polarity.

By external contact

By transistor

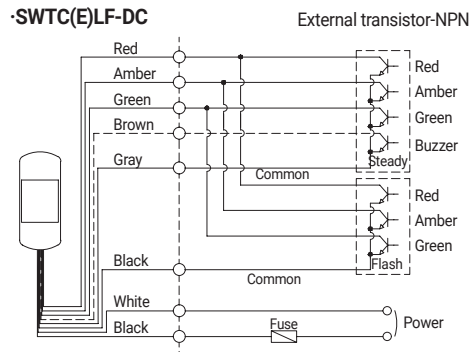
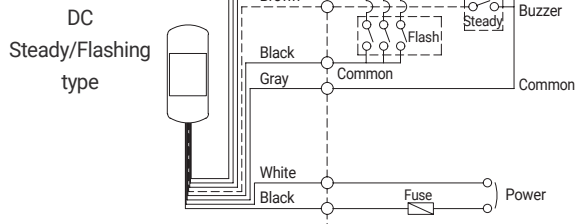
·SWTC(E)L-DC

·SWTC(E)L-DC



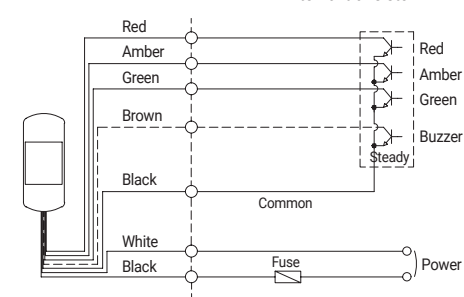
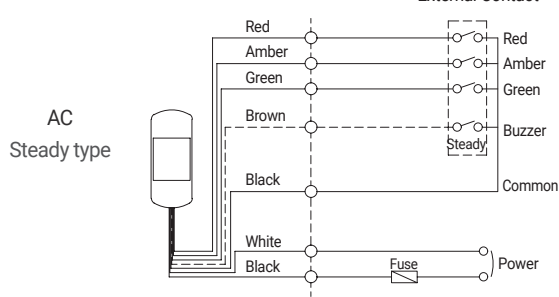
·SWTC(E)LF-DC

·SWTC(E)LF-DC



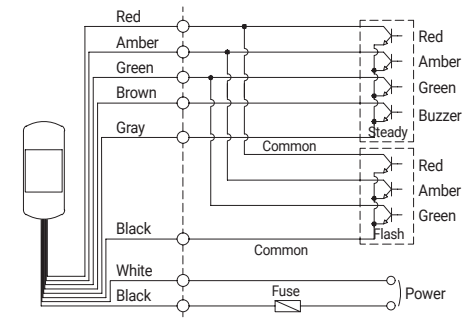
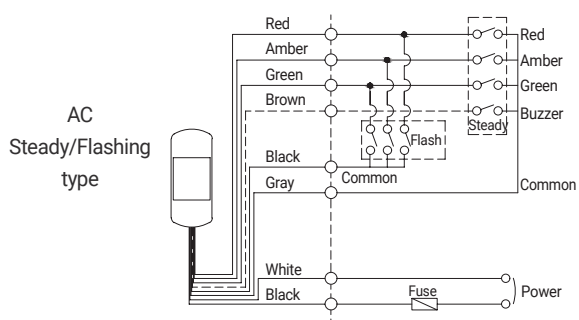
·SWTC(E)L-AC

·SWTC(E)L-AC



·SWTC(E)LF-AC

·SWTC(E)LF-AC



- DC steady type: External Power line/External signal line - UL1007 AWG22(0.3sq) 400mm
- AC steady, DC/AC steady/ flashing type: External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
External signal line - UL1007 AWG22(0.3sq) 400mm

**SR****SRP**

PRODUCT SPECIFICATION

SR | SRP
SRL | SRLP

Materials Lens-AS, Body-ABS, Reflector-Heat resistant ABS

Protection rating IP44

Standard color 1st layered - ● Red
2nd layered - ● Red ● Green
3rd layered - ● Red ● Yellow ● Green

- Ø80mm stacked structure
- Multi signal transmissions capable in 1 signal light

Model number	Layer	Voltage	Bulb			Certificates	Weight	Color
			Spec	Standard	Parts no			
SR SRP	1	DC12V	12V5W	T16x35 15S	5	-	0.28kg	● R-Red
		DC24V	24V5W	T16x35 15S	6		0.28kg	
		AC110V	12V5W	T16x35 15S	5		0.49kg	
		AC220V	12V5W	T16x35 15S	5		0.49kg	
	2	DC12V	12V5W	T16x35 15S	5		0.53kg	● R-Red ● G-Green
		DC24V	24V5W	T16x35 15S	6		0.53kg	
		AC110V	12V5W	T16x35 15S	5		0.76kg	
		AC220V	12V5W	T16x35 15S	5		0.76kg	
	3	DC12V	12V5W	T16x35 15S	5		0.71kg	● R-Red ● A-Amber ● G-Green
		DC24V	24V5W	T16x35 15S	6		0.71kg	
		AC110V	12V5W	T16x35 15S	5		1.04kg	
		AC220V	12V5W	T16x35 15S	5		1.04kg	

- Adopts a special Power transmission system that reduces noise and wear
- 2nd & 3rd stacked lens colors can be changeable except for the top layer lens
- Revolving speed: 120-140RPM
- Ambient operation temperature: -20°C to +50°C

Light source current(based on 1 layer)

Voltage	DC12V	DC24V	AC110V	AC220V
Light source current(1 layer)	485mA	350mA	100mA	50mA

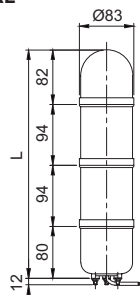
Technical Diagram

Units: mm

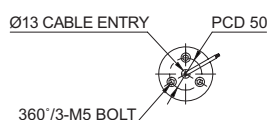
Cautions in use

- SRL/SRLP model wiring can be done with either External Contacts or External transistors.
- In case of wiring with transistors, please select the proper transistor type: either NPN or PNP based on the source voltage setting.
- The SR/SRP type warning lights use light bulbs which do not allow the use of transistors to register the connection. Please use External Contacts.

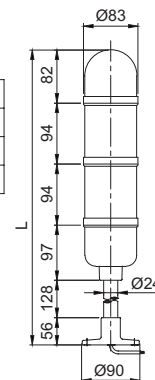
·SR / SRL



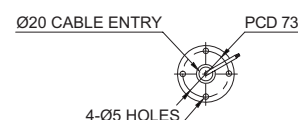
LAYER	L
1	162
2	256
3	350



•SRP / SRLP



LAYER	L
1	363
2	457
3	551





SRL / SRLP Stackable Warning/Signal Lights

Model number	Layer	Voltage	Certificates	Weight	Color
SRL SRLP	1	DC12V-24V	-	0.23kg	● R-Red
		AC110V		0.45kg	
		AC220V		0.45kg	
	2	DC12V-24V		0.37kg	● R-Red
		AC110V		0.70kg	● G-Green
		AC220V		0.70kg	
	3	DC12V-24V		0.53kg	● R-Red
		AC110V		0.89kg	● A-Amber
		AC220V		0.89kg	● G-Green

- Qlight's exclusive LED light distribution system with multi-tiered reflector spreads light evenly throughout the surface of the 94mm height special diffusing lens
- Fixed user selected color arrangement
- Flashing rate: 60-80 flashes/min(Built-in switch for selection between steady/flashing mode)
- Ambient operating temperature: -30°C to +50°C
- Compliant with RoHS directive



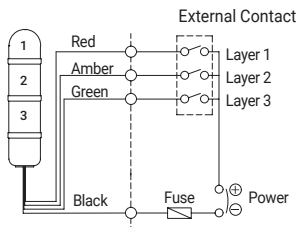
SRL

Light source current(based on 1 layer)

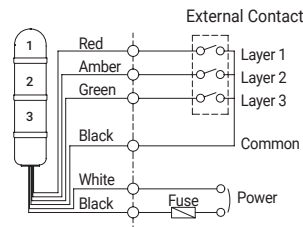
Voltage	DC12V-24V	AC110V	AC220V
Light source current(1 layer)	Max.125mA	65mA	35mA

Technical Diagram

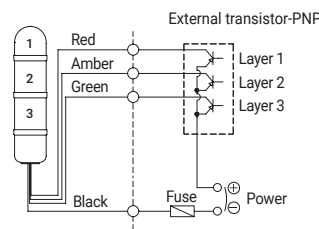
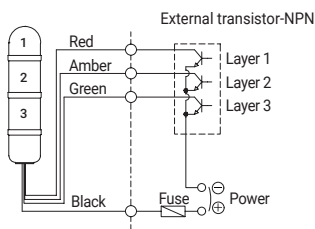
·SR(P) / SRL(P)-DC



·SR(P) / SRL(P)-AC



·SR(P) / SRL(P)-DC



- External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
- External signal line - UL1007 AWG22(0.3sq) 400mm
- SR, SRP: Black output line is negative(-)



SRLP

Ordering Specification

SRL	-	3	-	220	-	RAG
[Model number]		[Layer]		[Voltage]		[Color]
SR		1-1Layer		12-DC12V		● R-Red
SRP		2-2Layers		24-DC24V		● A-Amber
SRL		3-3Layers		12/24-DC12V-24V		● G-Green
SRLP				(SRL, SRLP Only)		
				110-AC110V		
				220-AC220V		

Customization

- 4 layers available upon request
- Customized color arrangement available

SJ Series



SJ



SJLP

PRODUCT SPECIFICATION

SJ | SJLP

Materials Lens-AS, Body-ABS,
Reflector-Heat resistant ABS

Volume Max.90dB at 1m

Protection rating IP44

Standard color 1st layered - ● Red
2nd layered - ● Red ● Green
3rd layered - ● Red ● Yellow ● Green

- Beautiful appearance from stacking 95×95mm cubed tower lights
- Multi signal transmission in space of 1 signal light

SJ / SJLP Stackable Signal Lights/Warning Lights

Model number	Layer	Voltage	Bulb			Certificates	Weight	Color
			Spec	Standard	Parts no			
SJ SJLP	1	DC12V	12V5W	T16x35 15S	5	CE	0.65kg	● R-Red
		DC24V	24V5W	T16x35 15S	6		0.65kg	
		AC110V	12V5W	T16x35 15S	5		0.83kg	
		AC220V	12V5W	T16x35 15S	5		0.83kg	
	2	DC12V	12V5W	T16x35 15S	5		0.89kg	● R-Red ● G-Green
		DC24V	24V5W	T16x35 15S	6		0.89kg	
		AC110V	12V5W	T16x35 15S	5		1.15kg	
		AC220V	12V5W	T16x35 15S	5		1.15kg	
	3	DC12V	12V5W	T16x35 15S	5		1.18kg	● R-Red ● A-Amber ● G-Green
		DC24V	24V5W	T16x35 15S	6		1.18kg	
		AC110V	12V5W	T16x35 15S	5		1.28kg	
		AC220V	12V5W	T16x35 15S	5		1.28kg	

- Adopts a special Power transmission system which minimizes noise and wear
 - Available in customized color arrangements
 - Revolving speed: 120-140RPM
 - Ambient operation temperature: -20°C to +50°C
- ※ CE compliant: DC12V, DC24V

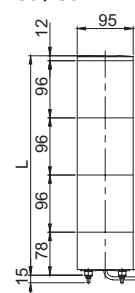
Light source current(based on 1 layer)

Voltage	DC12V	DC24V	AC110V	AC220V
Light source current(1 layer)	490mA	350mA	100mA	50mA
Buzzer current	15mA	35mA	60mA	30mA

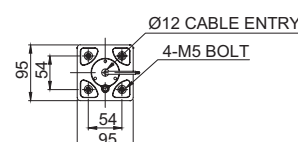
Technical Diagram

Units: mm

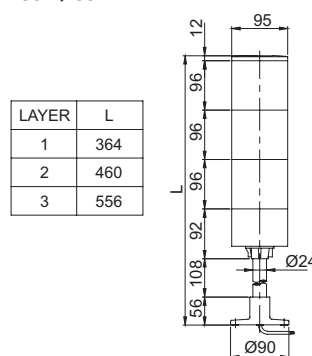
·SJ / SJLP



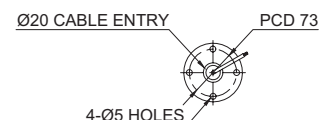
LAYER	L
1	186
2	282
3	378



·SJLP / SJLP



LAYER	L
1	364
2	460
3	556



Cautions in use

- SJLP / SJLP type can be wired with external contacts and transistor.
- Wiring to transistor, use the NPN transistor. Please wire properly based on technical diagram.
- SJ / SJLP used bulb can not be connected by using transistors. Please use the External Contacts.



SJL / SJLP Stackable Warning/ Signal Lights

Model number	Layer	Voltage	Certificates	Weight	Color
SJL SJLP	1	DC12V-24V	-	0.63kg	● R-Red
		AC110V		0.80kg	
		AC220V		0.80kg	
	2	DC12V-24V		0.76kg	● R-Red
		AC110V		1.03kg	● G-Green
		AC220V		1.03kg	
	3	DC12V-24V		1.01kg	● R-Red
		AC110V		1.24kg	● A-Amber
		AC220V		1.24kg	● G-Green

- Strong LED signal light emitted through the 96mm height diffusion lens
- Fixed lens colors
- Flashing rate: 60-80 flashes/min
- Ambient operation temperature: -30°C to +50°C
- Compliant with RoHS directive



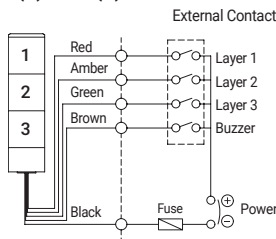
SJL

Light source current(based on 1 layer)

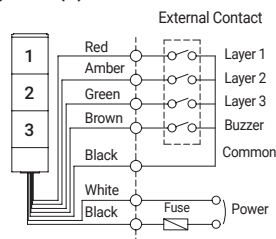
Voltage	DC12V-24V	AC110V	AC220V
Light source current(1 layer)	Max.185mA	80mA	40mA
Buzzer current	Max.35mA	60mA	30mA

Wiring Instructions

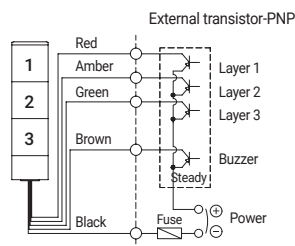
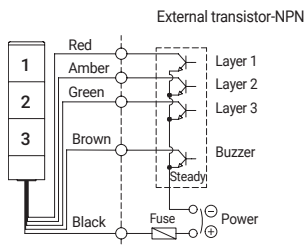
·SJ(P) / SJL(P)-DC



·SJ(P) / SJL(P)-AC



·SJL(P)-DC



- External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
- External signal line - UL1007 AWG22(0.3sq) 400mm
- SJ, SJP type: Black output line is negative(-).



SJLP

Ordering Specification

SJL	-	BZ	-	3	-	220	-	RAG
[Model number]		[Buzzer option]		[Layer]		[Voltage]		[Color]
SJ		(None)		1-1Layer		12-DC12V		● R-Red
SJP		- No buzzer		2-2Layers		24-DC24V		● A-Amber
SJL		BZ		3-3Layers		12/24-DC12V-24V		● G-Green
SJLP		- Built-in buzzer				(SRL, SRLP Only)		
						110-AC110V		
						220-AC220V		

Customization

- 4 layers available upon request
- Lens colors arrangement except for standard
- 2 buzzer sound types: Both prolonged(beep, beep) and staccato(beep, beep, beep) buzzer output available
- Xenon lamp strobe type (model number: SJS / SJSP)

S125TL



S125TL

PRODUCT SPECIFICATION

S125TL

Materials Lens-AS, Body-ABS,
Reflector-Heat resistant ABS

Ambient operating temperature -30°C to +50°C

Volume Max.90dB at 1m

Protection rating IP44

Standard color 1st layered - ● Red
2nd layered - ● Red ● Green
3rd layered - ● Red ● Yellow ● Green

Flashing rate 60-80/min

Compliant with RoHS directive

- Ø125mm large-sized stackable signal lights
- Large light emitting area and special light diffusing lens provides excellent long distance visibility
- Saves mounting space by stacking one, two, or three signal lenses
- The reflector with multi-tiered surface diffuses light over a wide area for uniform signal transmission
- The user selected color arrangement will be fixed
- Built-in switch for selection between steady and flashing mode

S125TL Stackable Signal Lights

Model number	Layer	Voltage	Certificates	Weight	Color
S125TL	1	DC12V-24V	-	0.62kg	● R-Red
		AC110V		0.84kg	
		AC220V		0.84kg	
	2	DC12V-24V		0.88kg	● R-Red ● G-Green
		AC110V		1.11kg	
		AC220V		1.11kg	
	3	DC12V-24V		1.15kg	● R-Red ● A-Amber ● G-Green
		AC110V		1.38kg	
		AC220V		1.38kg	

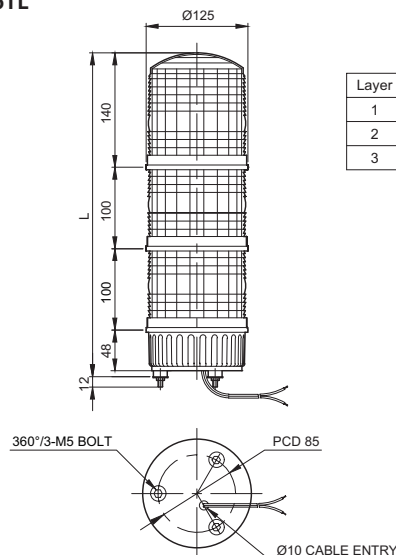
Light source current(based on 1 layer)

Voltage	DC12V-24V	AC110V	AC220V
Light source current(1 layer)	Max.300mA	80mA	40mA
Buzzer current	Max.35mA	60mA	30mA

Technical Diagram

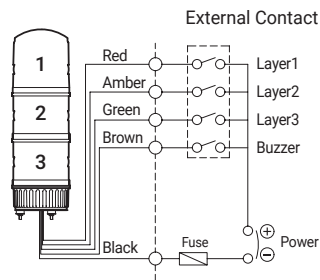
Units: mm

·S125TL

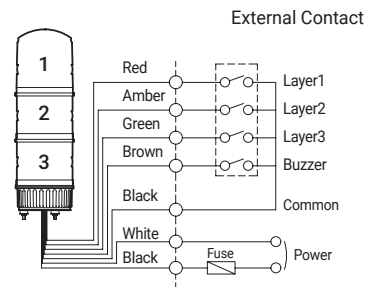


Wiring Instructions

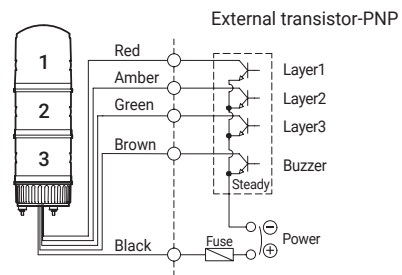
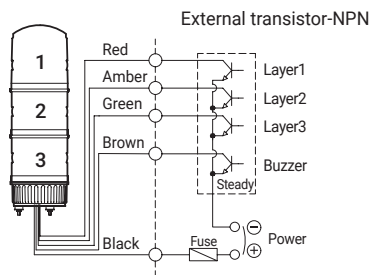
·S125TL-DC



·S125TL-AC



·S125TL-DC



- External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
- External signal line - UL1007 AWG22(0.3sq) 400mm
- This product can be wired regardless of polarity.

Customization

- Customized color arrangements available
- User selected xenon strobe lamp type available upon request (Model number: S125TS)
- 2 buzzer sound types: Both prolonged(beep, beep) and staccato(beep, beep, beep) buzzer output available

Cautions in use

- S125TL type can be wired with External Contacts and transistors.
- Wiring to transistor, use the NPN transistor. Please wire properly based on technical diagram.
- S125TS which uses a xenon lamp can not be connected by using transistor Please use an External Contact.

Ordering Specification

S125TL	-	BZ	-	3	-	12/24	-	RAG
[Model number]		[Buzzer option]		[Layer]		[Voltage]		[Color]
S125TL		(None) - No buzzer BZ - Built-in buzzer		1-1Layer 2-2Layers 3-3Layers		12/24-DC12V-24V 110-AC110V 220-AC220V		● R-Red ● A-Amber ● G-Green



QLTF

PRODUCT SPECIFICATION

QLTF

Materials Lens-AS, Body-ABS**Ambient operating temperature** -30°C to +50°C**Volume** Max.65dB at 1m**Protection rating**

Standard type-IP23, Built-in buzzer type-IP55

Flashing rate 50-70/min**Compliant with RoHS directive**

- Compact size with small LED steady/flash light
- Excellent visibility by adopting special diffused lens
- The smallest model suitable for OA equipment with narrow mounting space, small sized machines, and simple automatic equipment produced in mass production

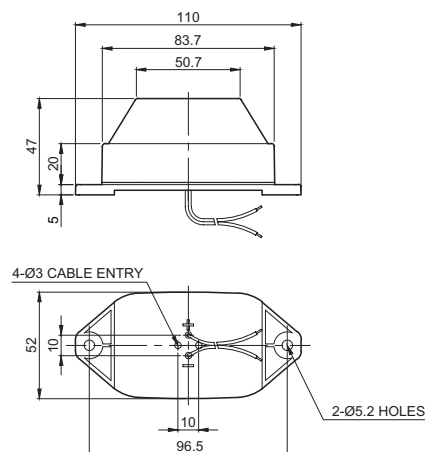
QLTF LED flash indicator

Model number	Voltage	Current	Certificates	Weight	Color
QLTF	DC24V	125mA	CE	0.08kg	● R-Red ● A-Amber
	DC12V-24V	Max.125mA			

Technical Diagram

Units: mm

·QLTF



Wiring Instructions

- External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- This product can be wired regardless of polarity.

Ordering Specification

QLTF	-	12/24	-	R
[Model number]		[Voltage]		[Color]
QLTF		24-DC24V 12/24-DC12V-24V		● R-Red ● A-Amber

Signal Beacons & Electronic Sounder



References

P. 108

Product specifications

P. 110

Reference for Warning/Signal Lights & Electric Horns



Model number	S60AD	QWTD	QAD80H	QAD80BZ	QAD100H (QAD100H-N)	QAD100BZ
Voltage	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V-AC220V	DC12V-24V	DC12V, DC24V	DC12V-24V AC110V-220V	DC12V, DC24V AC110V-220V
Dimension (mm)						
Outdia	Ø70	Ø70	Ø83	Ø83	Ø97	Ø97
Height	233	154-318	198	198	218	218
Depth	86	76	93	93	109	109
Material	Lens-AS Housing-ABS	Lens-PC Housing-ABS	Lens-PC Housing-ABS	Lens-PC Housing-ABS	Lens-PC Housing-ABS	Lens-PC Housing-ABS
Lamp & Operation						
Bulb Steady/Flashing	●					
LED Steady/Flashing	●	●	●	●	●	●
Xenon lamp strobe	●					
Sound & Volume						
High Buzzer	Max.95dB at 1m			Max.105dB at 1m		Max.105dB at 1m
5 Signal sounds		Max.85dB at 1m				
30 signal sounds			Max.100dB at 1m		Max.100dB at 1m	
MP3					Max.95dB at 1m	
Mounting structure	Wall mount	Wall mount	Wall mount	Wall mount	Wall mount	Wall mount
Protection rating	IP54	IP54	IP65	IP65	IP65	IP65
Mounting location	Indoor Use	Indoor Use	Indoor/Outdoor Use	Indoor/Outdoor Use	Indoor/Outdoor Use	Indoor/Outdoor Use
Mounting direction	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal
Certificates	CE	CE	CE	CE, UL	CE	CE, UL
Customization	2 tones buzzer	2 tones buzzer, Color combinations except for standard, Optional 8 harmonies	-	-	-	-
Transistor	-	NPN Type	NPN Type	-	NPN Type	-
Page	P110-111	P112-113	P114-116	P117-118	P114-116	P117-118



Model number	QAD125H (QAD125H-N)	QAD125BZ	QWCD35 (QWCD35B)	QWCD50	QWCD35T (QWCD35BT)	QWCD50T
Voltage	DC12V-24V AC110V-220V	DC12V, DC24V AC110V-220V	DC12V-24V AC110V-220V (Buzzer type: DC12V, DC24V, AC110V-220V)	DC12V-24V AC110V-220V	DC12V-24V AC110V-220V (Buzzer type: DC12V, DC24V, AC110V-220V)	DC12V-24V AC110V-220V
Dimension (mm)						
Outdia	Ø116	Ø116	□ 136 x 179	□ 168 x 222	□ 196 x 179	□ 229 x 222
Height	244	244				
Depth	132	132	128	163	126	163
Material	Lens-PC Housing-ABS	Lens-PC Housing-ABS	Horn-PC Housing-PC+ABS	Horn-PC Housing-PC+ABS	Horn-PC Housing-PC+ABS	Horn-PC Housing-PC+ABS
Lamp & Operation						
LED Steady/Flashing	●	●	●	●	●	●
LED Strobe						
Sound & Volume						
High Buzzer		Max.105dB at 1m	Max.115dB at 1m		Max.115dB at 1m	
30 signal sounds	Max.115dB at 1m					
31 signal sounds			Max.115dB at 1m	Max.123dB at 1m	Max.115dB at 1m	Max.123dB at 1m
MP3	Max.100dB at 1m		Max.112dB at 1m	Max.115dB at 1m	Max.112dB at 1m	Max.115dB at 1m
Mounting structure	Wall mount	Wall mount	Wall mount	Wall mount	Wall mount	Wall mount
Cable entry	-	-	M20	M20	M20	M20
Protection rating	IP65	IP65	IP66	IP66	IP66	IP66
Mounting location	Indoor/Outdoor Use	Indoor/Outdoor Use	Indoor/Outdoor Use	Indoor/Outdoor Use	Indoor/Outdoor Use	Indoor/Outdoor Use
Mounting direction	Vertical, Horizontal	Vertical, Horizontal	Vertical, reverse vertical	Vertical, reverse vertical	Vertical, reverse vertical	Vertical, reverse vertical
Certificates	CE	CE, UL	CE, UL, CCS	CE, UL	CE, UL	CE, UL
Customization	-	-	External signal line, CAN communication type, Cold resistance type	External signal line, Cold resistance type	External signal line, CAN communication type, Cold resistance type	External signal line, Cold resistance type
Transistor	NPN Type	-	NPN Type	NPN Type	NPN Type	NPN Type
Page	P114-116	P117-118	P122-127	P122-127	P122-127	P122-127

Reference for Warning/Signal Lights & Electric Horns



Model number	SJD	STD	S100D	S125D	STNDL (STNDL-N)	STND100 (STND100-N)	STND125 (STND125-N)
Voltage	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V-220V	DC12V, DC24V AC110V-220V	DC12V, DC24V AC110V-220V
Dimension (mm)							
Outdia	95 x 95(Cubic)	Ø80(Globe) Ø119(Body)	Ø101(Globe) Ø119(Body)	Ø115(Globe) Ø119(Body)	Ø80(Globe) Ø119(Body)	Ø101(Globe) Ø119(Body)	Ø115(Globe) Ø119(Body)
Height	277-469	232-512	226	215	267-547	261	250
Depth	-	-	-	-	-	-	-
Material	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS	Lens-AS Housing-ABS
Lamp & Operation							
Bulb Steady/Flashing							
Bulb Revolving	●		●	●		●	●
LED Revolving			●	●		●	●
LED Steady/Flashing	●	●	●	●	●	●	●
Xenon lamp strobe	●		●	●			
Sound & Volume							
5 Signal sounds	Max.90dB at 1m	Max.105dB at 1m	Max.105dB at 1m	Max.105dB at 1m			
Voice	79-85dB at 1m	91-100dB at 1m	91-100dB at 1m	91-100dB at 1m			
30 signal sounds					Max.105dB at 1m	Max.105dB at 1m	Max.105dB at 1m
MP3					Max.98dB at 1m	Max.98dB at 1m	Max.98dB at 1m
Mounting structure	Self stand	Self stand	Self stand	Self stand	Self stand	Self stand	Self stand
Protection rating	IP23	IP54	IP54	IP54	IP54	IP54	IP54
Mounting location	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use	Indoor Use
Mounting direction	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal	Vertical, Horizontal
Certificates	-	CE	CE, KC	CE	CE	CE	CE, UL
Customization	Lens color expect for standard	Signal light of customized dimension	-	-	Signal light of customized dimension	-	-
Transistor	NPN Type	NPN Type	NPN Type	NPN Type	NPN Type	NPN Type	NPN Type
Page	P119	P132	P128-129	P130-131	P136	P140	P141



Model number	S125DML
Voltage	DC12V-24V AC110V-220V
Dimension (mm)	
Outdia	Ø110(Globe) Ø119(Body)
Height	215
Depth	-
Material	Lens-AS Housing-ABS
Lamp & Operation	
LED Steady/Flashing	●
LED Strobe	●
LED Simulated Revolving	●
Sound & Volume	
5 Signal sounds	Max.105dB at 1m
Voice	91-100dB at 1m
30 signal sounds	
MP3	
Mounting structure	Self stand
Protection rating	IP54
Mounting location	Indoor Use
Mounting direction	Vertical, Horizontal
Certificates	
Transistor	NPN Type
Page	P145-146

S60AD Series



S60AD Series

PRODUCT SPECIFICATION

S60ADL | S60ADS
S60ADB**Materials** Lens-AS, Body-ABS,

Reflector-Heat resistant ABS

Ambient operating temperature -30°C to +50°C**Volume** Max.95dB at 1m**Protection rating** IP54**Revolving speed** 60-80/min

- Ø60mm signal light with high volume built-in buzzer in a vertical configuration
- Cone-shaped horn helps diffuse sound to generate clear and distinctive sound signals
- Suitable for applications that require downward audible signals in elevated locations



S60ADL Signal Lights with High Volume Built-in Buzzer

Model number	Voltage	Current	Certificates	Weight	Color
S60ADL	DC12V	165mA	CE	0.17kg	● R-Red
	DC24V	125mA		0.17kg	● A-Amber
	AC110V	55mA		0.32kg	● G-Green
	AC220V	35mA		0.32kg	● B-Blue

- LED reflector with multi-tiered design provides an even and clear illumination throughout the entire lens
- Selectable between steady and flashing mode



S60ADS Signal Lights with High Volume Built-in Buzzer

Model number	Voltage	Current	Certificates	Weight	Color
S60ADS	DC12V	550mA	CE	0.29kg	● R-Red
	DC24V	285mA		0.29kg	● A-Amber
	AC110V	85mA		0.27kg	● G-Green
	AC220V	75mA		0.27kg	● B-Blue



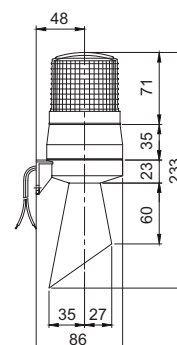
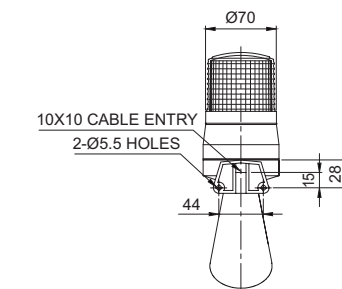
S60ADB Signal Lights with High Volume Built-in Buzzer

Model number	Voltage	Current	Bulb			Certificates	Weight	Color
			Spec	Standard	Parts no			
S60ADB	DC12V	1A	12V10W	T16x35 15S	9	CE	0.19kg	● R-Red
	DC24V	555mA	24V10W	T16x35 15S	10		0.19kg	● A-Amber
	AC110V	160mA	110V10W	T16x35 15S	12		0.18kg	● G-Green
	AC220V	115mA	220V10W	T16x35 15S	13		0.18kg	● B-Blue

- Employs a special filament to prevent damage caused by possible voltage variations
- Selectable between steady and flashing mode

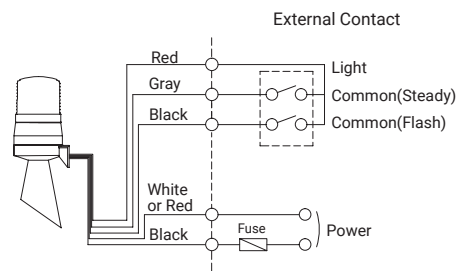
Technical Diagram

Units: mm

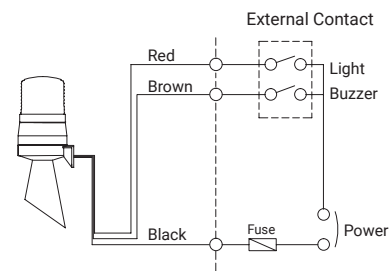


Wiring Instructions

·S60ADB-DC/AC



·S60ADL / S60ADS-DC/AC



- S60ADB: External Power line UL1015 AWG18(0.75sq) x 2C 400mm
External signal line - UL1007 AWG22(0.3sq) 400mm
- S60ADL / S60ADS: External Power line UL1007 AWG22(0.3sq) 400mm
- This product can be wired regardless of polarity.

Customization

- 2 buzzer sound types: Both prolonged(beep, beep) and staccato(beep, beep, beep) buzzer output available

Ordering Specification

S60ADL	-	220	-	R
[Model number]		[Voltage]		[Color]
S60ADL		12-DC12V		● R-Red
S60ADS		24-DC24V		● A-Amber
S60ADB		110-AC110V		● G-Green
		220-AC220V		● B-Blue

QWTD Series

- WS (5 Warning sounds)
- WP (5 Special warning sounds)
- WM (5 Melodies)
- WA (5 Alarms)



QWTD Series

PRODUCT SPECIFICATION

QWTDL | QWTDLF

Materials Lens-PC, Cover-ABS, Case-ABS

Ambient operating temperature -30°C to +50°C

Volume Max.85dB at 1m

Protection rating IP54

Standard color arrangements

1 Layer: ● Red

2Layers: ● Red ● Green

3Layers: ● Red ● Amber ● Green

4Layers: ● Red ● Amber ● Green ● Blue

5Layers: ● Red ● Amber ● Green ● Blue ○ Clear White

Compliant with RoHS directive

- Wall mount model that minimizes the chance of damage from moving obstacles or personnel
- Superior side visibility with round-shaped lens
- 5 selectable sound pattern combinations(5 warning sounds, 5 special warning sounds, 5 melodies, 5 alarms)
- Selectable between steady/flashing mode with proper wire arrangement
- Available for customized color arrangements

QWTD Ø70mm Wall Mount LED Signal Towers with Built-in Siren

Model number	Layer	Voltage	Sound pattern and volume	Certificates	Weight	Color
QWTDL Steady QWTDLF Steady/ Flashing	1	DC12V	· WS-5 warning sounds · WP-5 special warning sounds · WM-5 melodies · WA-5 alarms · Volume : Max.85dB at 1m	CE	0.14kg	● R-Red
		DC24V			0.14kg	
		AC110V-220V			0.27kg	
	2	DC12V			0.18kg	● R-Red ● G-Green
		DC24V			0.18kg	
		AC110V-220V			0.32kg	
	3	DC12V			0.23kg	● R-Red ● A-Amber ● G-Green
		DC24V			0.23kg	
		AC110V-220V			0.36kg	
	4	DC12V			0.27kg	● R-Red ● A-Amber ● G-Green ● B-Blue
		DC24V			0.27kg	
		AC110V-220V			0.41kg	
	5	DC12V			0.32kg	● R-Red ● A-Amber ● G-Green ● B-Blue ○ W-White
		DC24V			0.32kg	
		AC110V-220V			0.45kg	

※ Max.built-in volume feature is based on WS-Ch1.

※ AC type model has a free-voltage range of 100V-240V.

※ CE compliant: DC12V, DC24V

※ Please refer to [Sound tone and combination for standard product] on this catalogue for detailed sound tone specification.

Light source current(based on 1 layer)

Voltage	DC12V	DC24V	AC110V-220V
Light source current(1 layer)	105mA	80mA	Max.35mA
Signal sound current	200mA	140mA	Max.60mA



QWTD Speaker

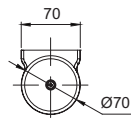
QWTD embedded speaker design minimizes risk of contamination from debris while providing efficient sound output.



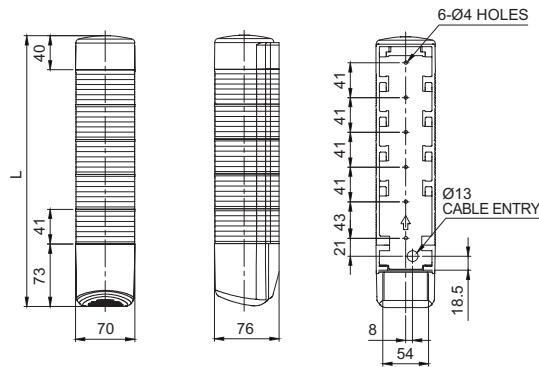
Technical Diagram

Units: mm

·QWTD

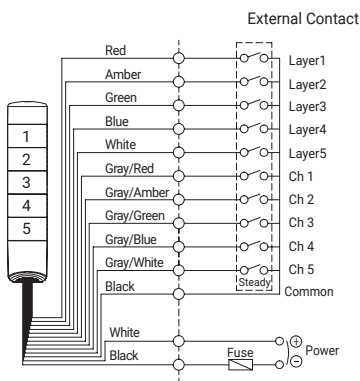


LAYER	L
1	154
2	195
3	236
4	277
5	318

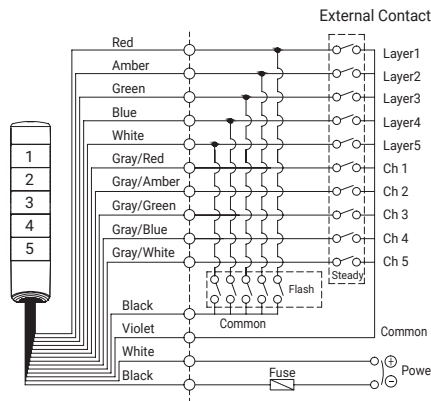


Wiring Instructions

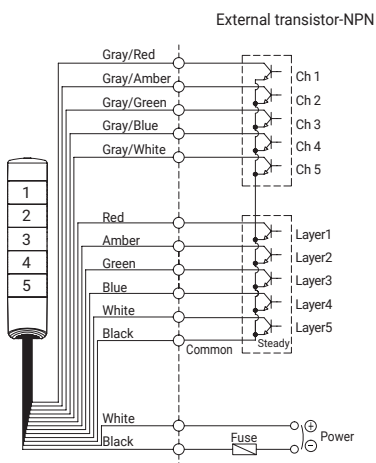
·QWTDL-DC/AC(Steady)



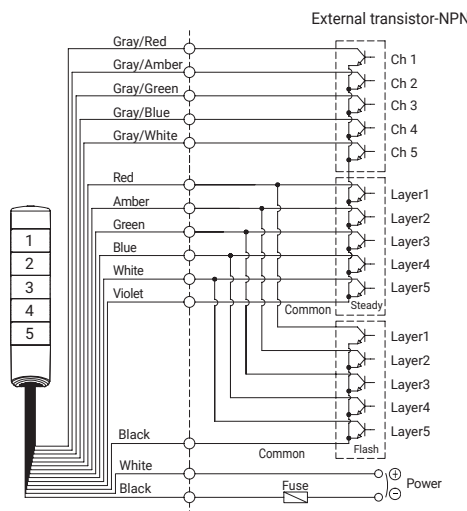
·QWTDLF-DC/AC(Steady/Flashing)



·QWTDL-DC/AC(Steady)



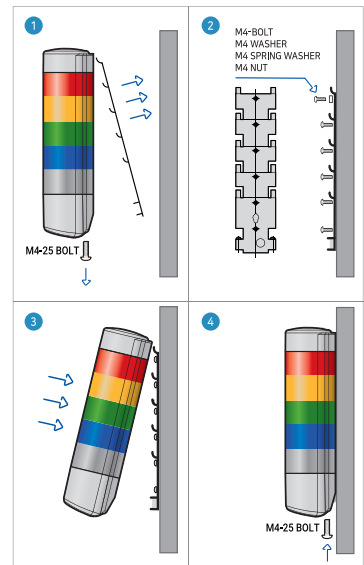
·QWTDLF-DC/AC(Steady/Flashing)



Ordering Specification

QWTDL	-	WS	-	3	-	110/220	-	RAG
[Model number]		[Sounds]		[Layer]		[Voltage]		[Color]
QWTDL QWTDLF		WS-Warning sound WP-Special warning sound WM-Melody WA-Alarm		1-1Layer 2-2Layers 3-3Layers 4-4Layers 5-5Layers		12-DC12V 24-DC24V 110/220-AC110V-220V		● R-Red ● A-Amber ● G-Green ● B-Blue ○ W-White

How to mount



- 1 Dismantle body and mount by loosening two M4 bolts at the bottom of the lamp
- 2 Put the mounting bracket on the mounting hole
- 3 Hang the lamp on the mount
- 4 Fasten two M4 bolts at the bottom of the lamp after completing installation on the mount

Wiring Instructions

- Wiring both external Power line and transistor
- QWTD allows steady/flash mode by wiring
- External Power line
UL1015 AWG18(0.75sq) x 2C 400mm
- External signal line
UL1007 AWG22(0.3sq) 400mm
- This product can be wired regardless of polarity.

Customization

- Special color combinations
- 2 buzzer sound types : Both prolonged(beep, beep) and staccato(beep, beep, beep) buzzer output available
- Optional 8 harmonies(standard unit has a single harmony)

QAD Series

Wall Mount Dome Type Signal Light with Electric Horn



- QAD100H / QAD125H(MP3)
- User defined 30 sounds, 30 built-in sounds.
- QAD80H / QAD100H-N / QAD125H-N (standard unit)
- 30 built-in sounds

PRODUCT SPECIFICATION

QAD80H | QAD100H | QAD125H
QAD100H-N | QAD125H-N

Materials Lens-PC, Housing-ABS

Ambient operating temperature -30°C to +60°C

Protection rating IP65

Flashing rate 60-80/min

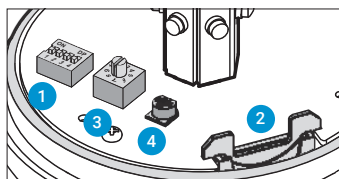
(Built-in Steady-Flash selection switch)

Compliant with RoHS directive

- Combination of signal light and horn allow for both visual and audible signal transmission at once
- Appropriate sound tones can be chosen depending on the various working environment among various available sound tones
- Sound tone selector and volume controller in front of the device allows for convenient use(Buzzer type is unsupported)
- SD Card type allows user defined sound tone
- Built-in 30 sound tones, Support Binary and Bit input modes
- Binary input mode selects and plays 30 sounds using Sound selection switch
- Bit input mode consists of 5 sound types with 6 groups. Choose one of the groups to play 5 sounds.(MP3 does not support group)
- MP3 support(QAD100H / QAD125H)
- Standard unit choose built-in sound only. It can choose 30 sounds in accordance with the customer's needs.

Multi-functional Product

- Standard unit does not support either SD card or Play mode.



- 1 Sound setup switch
- 2 SD Card for MP3 play
- 3 Play mode set up switch
- 4 Volume

User-defined sound(MP3)

- User-defined sound(MP3) type

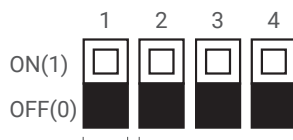


Customer can create a playlist and grouping conveniently through PC. Product supports up to 32Gbyte.

- Use standard SD card.
- Mini SD or Micro SD also can be used with adaptor.
- SD, SDHC type supported
- Storage capacity : Max.32GB
- The SD card speed is compatible with the following classes: C2, C4, C6, V6, C10, U1, V6, and V10.
- ※ The maximum speed supported is 10MB/s.

Sound Selection Instruction for SDCard Type

- SD card type unit
- It can choose both built-in sounds and user defined sounds(MP3) by controlling sound setup switch no. 1.
- Standard unit
- It can choose both Bit input mode and Binary input mode by controlling sound setup switch no. 1.



Sound Selection
0: Built-in sound
1: SD Card(MP3)

Standard unit(Built-in sound only)

- 0:Bit input(Can choose 5 channels per group)
- 1:Binary(Can choose 30 channels)

Bit input mode selection from 6 groups

- 001: WS(5 Warning sounds)
- 010: WP(5 Special warning sounds 1st group)
- 011: WM(5 Melodies)
- 100: WA(5 Alarms)
- 101: WO(5 Special warning sounds 2nd group)
- 110: WN(5 Special warning sounds 3rd group)

- 30 pre-recorded sounds offered(5 warning sounds, 5 special warning sounds 1st group, 5 melodies, 5 alarms, 5 special warning sounds 2nd group, 5 special warning sounds 3rd group)
- External MP3 sound support(SD card)
- Binary input: 30 channels
- Bit input: 5 channels(6 sound groups)
- A multi-functional product that can use an SD card for MP3 playback
- Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting.

Features per model

	QAD100H / QAD125H(MP3)	QAD80H / QAD100H-N QAD125H-N (standard unit)	Column
Support SD card(MP3)	0	X	
Support 30 built-in sounds	0	0	
Play mode	0	X	
Bit/Binary input	0	0	Please refer to sound setup switch manual



QAD80H Wall Mount Type LED Steady/Flashing Light & Electric Horn

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
QAD80H	DC12V-24V	Max.990mA	· Bit Input: 5Ch · Binary Input: 30Ch · Built-in sounds: Max.100dB (Based on WM-Ch4)	CE	0.70kg	● R-Red ● A-Amber ● G-Green ● B-Blue

· Built-in sound

※ DC type model has a free-voltage range of 12V-30V.

QAD100H / QAD125H Wall Mount Type LED Steady/Flashing Light & Electric Horn

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
QAD100H	DC12V-24V	Max.1A	· Bit Input: 5Ch · Binary Input: 30Ch · Built-in sounds: Max.100dB (Based on WA-Ch4)	CE	0.92kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	AC110V-220V	Max.360mA	· MP3: Max.95dB			
QAD125H	DC12V-24V	Max.2.15A	· Bit Input: 5Ch · Binary Input: 30Ch · Built-in sounds: Max.115dB (Based on WA-Ch4)		1.12kg	
	AC110V-220V	Max.360mA	· MP3: Max.100dB			

· Built-in sound/MP3

※ DC type model has a free-voltage range of 12V-30V.

※ AC type model has a free-voltage range of 100V-240V.

※ When playing MP3 files, there may be difference of volume depending on user's audio file type.

Ordering Specification

QAD80H	-	12/24	-	R	-	INSD
[Model number]		[Voltage]		[Color]		[Including SD card]
QAD80H		12/24-DC12V-24V		● R-Red ● A-Amber ● G-Green ● B-Blue		
QAD100H		12/24-DC12V-24V				None-Without SD card
QAD125H		110/220-AC110V-220V				INSD-Including SD card

QAD100H-N / QAD125H-N Wall Mount Type LED Steady/Flash & Electric Horn

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
QAD100H-N	DC12V-24V	Max.1.25A	· Bit Input: 5Ch · Binary Input: 30Ch · Built-in sounds : Max.100dB (Based on WS-Ch4)	CE	0.92kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	AC110V-220V	Max.250mA				
QAD125H-N	DC12V-24V	Max.1.15A	· Bit Input: 5Ch · Binary Input: 30Ch · Built-in sounds : Max.115dB (Based on WA-Ch4)		1.12kg	
	AC110V-220V	Max.275mA				

· Built-in sound

※ DC type model has a free-voltage range of 12V-30V.

※ AC type model has a free-voltage range of 100V-240V.

Ordering Specification

QAD100H-N	-	12/24	-	R
[Model number]		[Voltage]		[Color]
QAD100H-N		12/24-DC12V-24V		● R-Red ● A-Amber ● G-Green ● B-Blue
QAD125H-N		110/220-AC110V-220V		



QAD80H



QAD100H-N



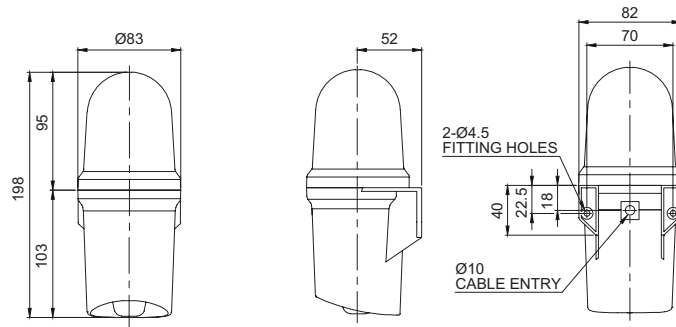
Do not supply Power into the signal line. Product may be damaged as a result



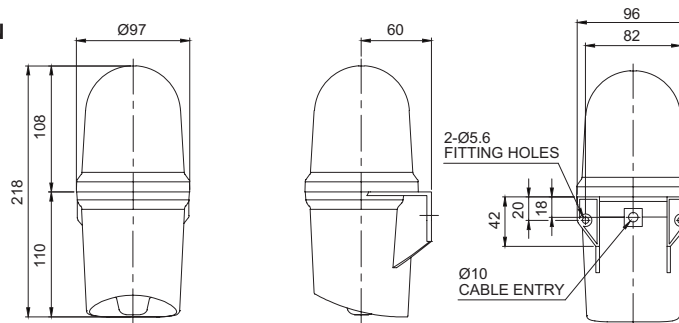
Technical Diagram

Units: mm

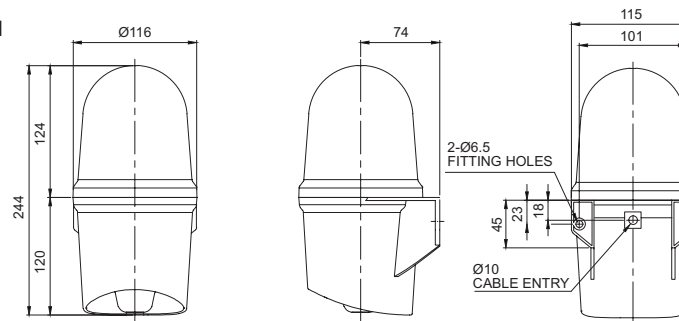
·QAD80H



·QAD100H / QAD100H-N

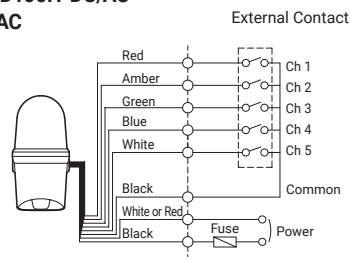


·QAD125H / QAD125H-N

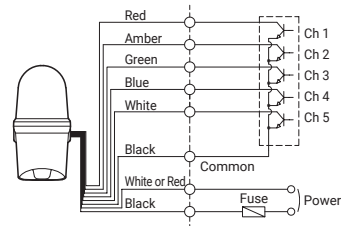


Wiring Instructions

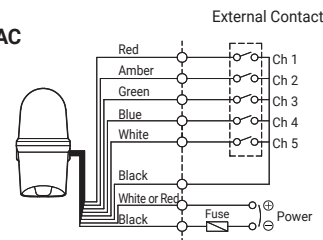
·QAD80H-DC / QAD100H-DC/AC ·QAD100H-N-DC/AC



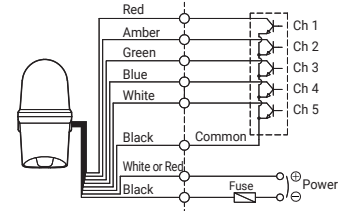
External transistor-NPN



·QAD125H-DC/AC ·QAD125H-N-DC/AC



External transistor-NPN



· External Power line - UL1015 AWG18(0.75sq) x 2C 400mm

· External signal line - UL1007 AWG22(0.3sq) 400mm

· This product can be wired regardless of polarity(QAD80H / QAD100H only).

· In case of Bit input, 5 sound tones can be played. For Binary input, 30 sound tones can be played.

※ Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting(Wiring instruction is replaced to channel selection switch)

LED Signal Lights with High Volume Built-in Buzzer

QAD Series



PRODUCT SPECIFICATION

QAD80BZ | QAD100BZ
QAD125BZ

Materials Lens-PC, Body-ABS
Ambient operating temperature -30°C to +50°C
Protection rating IP65
Flashing rate 60-80/min
(Built-in Steady-Flash selection switch)
Compliant with RoHS directive

- Combination of warning light and horn allow for both visual and audible signal transmission at once
- Siren buzzer sound output of Max.105dB
- Built-in high volume buzzer type



QAD125BZ

QAD80BZ Wall Mount Type LED Steady/Flashing Signal Light & Electric Horn

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
QAD80BZ	DC12V	550mA	·Buzzer volume : Max.105dB	CE UL	0.75kg	● R-Red
	DC24V	300mA			0.75kg	● A-Amber ● G-Green ● B-Blue

※ UL Listed: DC24V

QAD100BZ Wall Mount Type LED Steady/Flashing Signal Light & Electric Horn

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
QAD100BZ	DC12V	550mA	·Buzzer volume : Max.105dB	CE UL	0.98kg	● R-Red
	DC24V	300mA				● A-Amber
	AC110V -220V	Max. 120mA			1.01kg	● G-Green ● B-Blue

※ AC type model has a free-voltage range of 100V-240V.

※ UL Listed: DC24V

QAD125BZ Wall Mount Type LED Steady/Flashing Signal Light & Electric Horn

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
QAD125BZ	DC12V	550mA	·Buzzer volume : Max.105dB	CE UL	1.22kg	● R-Red
	DC24V	300mA				● A-Amber
	AC110V -220V	Max. 120mA			1.27kg	● G-Green ● B-Blue

※ AC type model has a free-voltage range of 100V-240V.

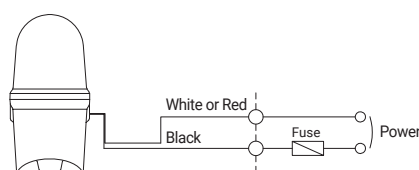
※ UL Listed: DC24V



QAD Series buzzer and electric sound is rich and clear because the RESONANCE CHAMBER amplifies the sound.

Wiring Instructions

·QAD80BZ / QAD100BZ / QAD125BZ-DC/AC



- External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- External signal line - UL1007 AWG22(0.3sq) 400mm
- This product can be wired regardless of polarity.

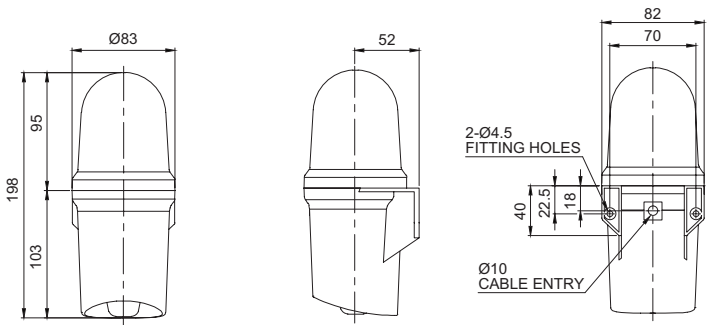
QAD Series



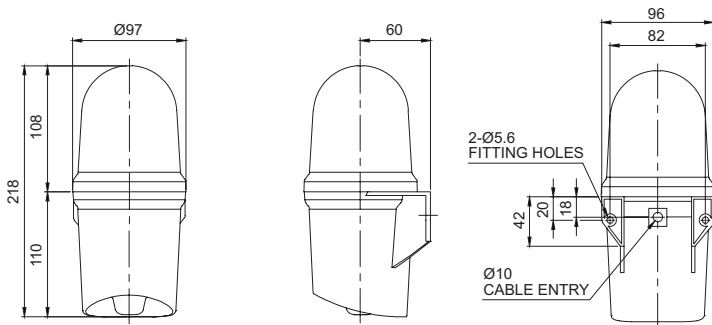
Technical Diagram

Units: mm

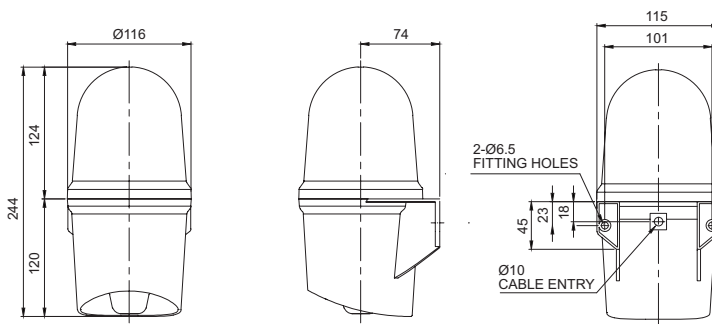
·QAD80BZ



·QAD100BZ



·QAD125BZ



Ordering Specification

QAD80BZ	-	24	-	R
[Model number]		[Voltage]		[Color]
QAD80BZ		12-DC12V 24-DC24V		R-Red A-Amber G-Green B-Blue
QAD100BZ QAD125BZ		12-DC12V 24-DC24V 110/220- AC110V-220V		

Stackable Cube Tower Lights with Built-in Alarm

SJD Series



SJD

PRODUCT SPECIFICATION

SJD | SJD L

Materials Lens-AS, Body-ABS,
Reflector-Heat resistant ABS

Protection rating IP23

Standard color

1st layered - ● Red

2nd layered - ● Red ● Green

3rd layered - ● Red ● Yellow ● Green

- Cube-shaped(95×95mm) stacked tower lights and audible alarm combinations
- Lamp can be selectable among bulb revolving, LED steady/flashing, xenon strobe depending on installation environment
- 5 Warning sounds, 5 Melodies, 5 Alarms, and 5 Customizable sounds available
- WV type: Input audio message needs to be provided to us by the customer prior to manufacturing
- Multiple stacked light segments conserves space

SJD Bulb Revolving Cube Tower Light

Model number	Layer	Voltage	Bulb			Sound pattern and volume	Certificates	Weight	Color
			Spec	Standard	Parts no				
SJD	1	DC12V	12V5W	T16x35 15S	5	·WS-5 warning sounds : Max.90dB ·WM-5 Melodies: Max.90dB ·WA-5 Alarms: Max.85dB ·WV-5 customizable sounds : 79-85dB		DC-1.41kg AC-1.79kg	● R-Red
		DC24V	24V5W	T16x35 15S	6				
		AC110V	12V5W	T16x35 15S	5				
		AC220V	12V5W	T16x35 15S	5				
	2	DC12V	12V5W	T16x35 15S	5		-	DC-1.65kg AC-2.04kg	● R-Red ● G-Green
		DC24V	24V5W	T16x35 15S	6				
		AC110V	12V5W	T16x35 15S	5				
		AC220V	12V5W	T16x35 15S	5				
	3	DC12V	12V5W	T16x35 15S	5			DC-1.90kg AC-2.29kg	● R-Red ● A-Amber ● G-Green
		DC24V	24V5W	T16x35 15S	6				
		AC110V	12V5W	T16x35 15S	5				
		AC220V	12V5W	T16x35 15S	5				

- Employs a special Power transmission system that minimizes noise and wear
- Available in customized color arrangements
- Revolving speed: 120-140RPM
- Ambient operating temperature: -20°C to +50°C

※ Max.built-in volume feature is based on WS-Ch1 / WM-Ch4 / WA-Ch5.

※ In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.

※ Please refer to [Sound tone and combination for standard product] on this catalogue for detailed sound tone specification.

Light source/signal sound current(based on 1 layer)

Voltage	DC12V	DC24V	AC110V	AC220V
Light source current(1 layer)	490mA	350mA	100mA	50mA
Signal sound current	210mA	130mA	75mA	50mA

Stackable Cube Tower Lights with Built-in Alarm

SJD Series



SJDL

SJDL Stackable Cube Tower Lights

Model number	Layer	Voltage	Sound pattern and volume	Certificates	Weight	Color
SJDL	1	DC12V-24V	·WS-5 Warning sounds : Max.90dB ·WM-5 Melodies : Max.90dB ·WA-5 Alarms: Max.85dB ·WV-5 Customizable sounds: 79-85dB	-	1.63kg	● R-Red
		AC110V				
	2	AC220V			1.80kg	● R-Red ● G-Green
		DC12V-24V				
		AC110V				
	3	AC220V			2.04kg	● R-Red ● A-Amber ● G-Green
		DC12V-24V				
		AC110V				
		AC220V				

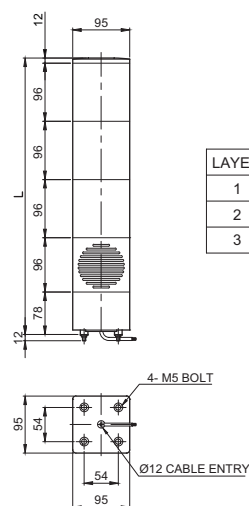
- Wide diffusion lens of 96mm height provides a Powerful LED signal light
- Built-in switches for steady/flashing mode
- Flashing rate: 60-80 flashes/min
- Ambient operating temperature: -30°C to +50°C

Light source/signal sound current(based on 1 layer)

Voltage	DC12V-24V	AC110V	AC220V
Light source current(1 layer)	Max.185mA	80mA	40mA
Signal sound current	Max.210mA	75mA	50mA

Technical Diagram ·SJD / SJDL

Units: mm

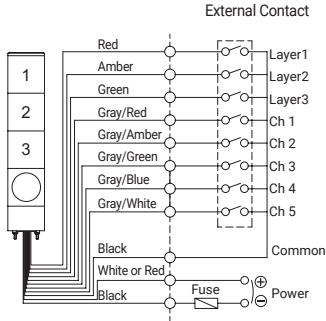


Ordering Specification

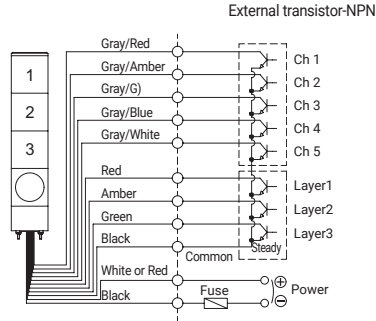
SJD	-	WA	-	3	-	220	-	RAG
[Model number]		[Sounds]		[Layer]		[Voltage]		[Color]
SJD		WS-Warning		1-1Layer		12-DC12V		● R-Red
SJDL		WM-Melody		2-2Layers		24-DC24V		● A-Amber
		WA-Alarm		3-3Layers		12/24-DC12V-24V		● G-Green
		WV-Customizable sound				!!!!!!(SJDL only)		
						110-AC110V		
						220-AC220V		

Wiring Instructions

·SJD / SJDL-DC/AC



·SJDL-DC/AC



Wiring Instructions

- External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
- External signal line - UL1007 AWG22(0.3sq) 400mm
- SJD model: Black output line is negative(-).

Customization

- Customized color arrangements available



Do not apply a voltage to each signal line. It may cause damage to the product

- SJDL type can be wiring with External Contact and transistor.
- Wiring to transistor, use the NPN transistor. Please wire properly based on technical diagram.
- Bulb type SJD and xenon lamp type can not be wiring with transistor.
- Please use External Contact.

QWCD Series

A new concept of using the horn cover as a light globe



PRODUCT SPECIFICATION

QWCD35(SD) | QWCD50(SD)
QWCD35T(SD) | QWCD50T(SD)
QWCD35B | QWCD35BT

Materials Horn-PC, Housing-PC+ABS

Ambient operating temperature

-30°C to +50°C(Standard type/buzzer type)

-50°C to +50°C(Low temperature type only DC)

-20°C to +50°C(SD Card type)

Protection rating IP66

Flashing rate 60-80 flashes/min

Compliant with RoHS directive

- Combination of built-in 31 sounds and MP3(SD Card)
- High-volume buzzer sound (buzzer type)

- Easy device customization with built in sound selection function, volume adjustment function and an SD Card slot for user inputted tones
- 31 pre-recorded tones available via binary input.
- The user can select their own tones by inputting the MP3 file directly into the SD Card
- Suitable for use in environments that require a tight seal and superior dust protection rated IP66.
- Terminal box is attached separately for convenient wiring(QWCD35T, QWCD35TSD, QWCD50T, QWCD50TSD, QWCD35BT)
- High-volume buzzer output(QWCD35B, QWCD35BT)
- Support for CAN communication type products (Customization : QWCD35, QWCD35T)

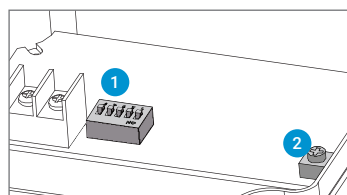
QWCD Series is an integrated horn and light globe.

QWCD Series	
QWCD35(T)	Built-in standard sound
QWCD35(T)SD	MP3(SD Card)
QWCD50(T)	Built-in standard sound, large output sound
QWCD50(T)SD	MP3(SD Card), large output sound
QWCD35B(T)	Built-in high volume buzzer

Qlight's exclusive innovative design the horn cover emits light!

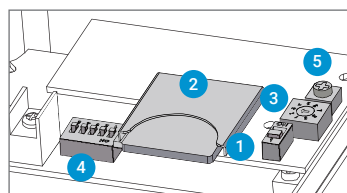
- By using the horn cover as a light globe, the size of the product has been reduced significantly
- The color of light can be selected from red, yellow, green, or blue
- Product has two models: the basic model with 31 built-in sounds, and an external sound (MP3) type model
- Includes seven different playback functions; one function is the continuous playback function which provides constant message notification
- Can play special alarm sounds depending on environment, and supports binary input method
- Can play up to 31 sounds by saving MP3 files on SDcard
- By making the horn cover with polycarbonate (PC) material, The product has excellent durability and weather resistance
- Can be used for heavy-duty, ship, or outdoor use which requires waterproof, dustproof structure (IP66)

Built-in sound type



- 1 Sound selection switch
- 2 Volume

SD Card(MP3) type



- 1 Sound setting switch
- 2 MP3 playable SD Card slot
- 3 Play mode setting switch
- 4 Sound selection switch
- 5 Volume

The input method of built-in sound type

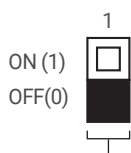
	1	2	3	4	5
ON	☐	☐	☐	☐	☐
OFF	☐	☐	☐	☐	☐
No.	1	2	3	4	5
0	0	0	0	0	0
1	0	0	0	0	1
2	0	0	0	1	0
:	:	:	:	:	:
31	1	1	1	1	1

Built-in sound type model supports Binary input mode which provides a selection of 31 different input combinations for five kinds of sounds.

You can only select 2 numbers with 1 switch; "0", "1". With 5 switches you can have 31 combinations. Selecting one sound from 5 switches is the binary input method.

The sound selection method of SD Card type

- Can easily select built-in sound or external sound(MP3) by using the sound selection switch.

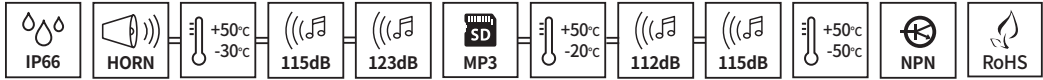


The sound selection

0: Select built-in sound

1: Select SD Card

- 31 built-in alarm sounds and special sound
- Supports SD Cards for external sound (MP3)
- Binary Input: 31Ch
- Bit Input: 5Ch(SD Card only)
- Please refer to [Sound pattern and combination for special alarm product] on this catalogue for detailed settings.



QWCD35 LED Strobe Signal Beacon & Electronic Sounder Combinations

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
QWCD35 Built-in standard sound	DC12V-24V AC110V-220V	Max.1.35A Max.350mA	·Bit Input: 5Ch(SD Card) ·Binary Input: 31Ch ·Built-in sounds : Max.115dB (Based on Ch31)	CE CCS UL	1.10kg	● R-Red ● A-Amber ● G-Green ● B-Blue
QWCD35SD MP3	DC12V-24V AC110V-220V	Max.1.35A Max.350mA	·MP3: Max.112dB		1.15kg	

※ UL Listed: DC12V-24V

QWCD50 LED Strobe Signal Beacon & Electronic Sounder Combinations

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
QWCD50 Built-in standard sound	DC12V-24V AC110V-220V	Max.4.65A Max.900mA	·Bit Input: 5Ch(SD Card) ·Binary Input: 31Ch ·Built-in sounds : Max.123dB (Based on Ch16)	CE UL	2.70kg	● R-Red ● A-Amber ● G-Green ● B-Blue
QWCD50SD MP3	DC12V-24V AC110V-220V	Max.4.65A Max.900mA	·MP3: Max.115dB		3.00kg	

※ DC type model has a free-voltage range of 10V-30V.

※ AC type model has a free-voltage range of 100V-240V.

※ UL Listed: DC12V-24V

※ When playing MP3 files, there may be difference of volume depending on user's audio file type.



QWCD35 Series

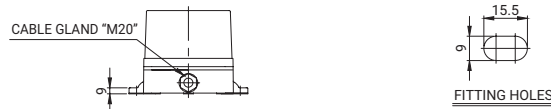
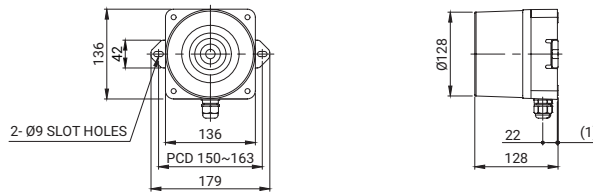


QWCD50 Series

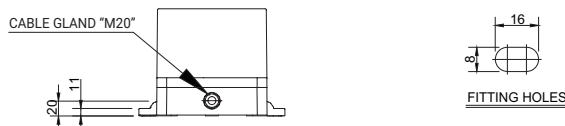
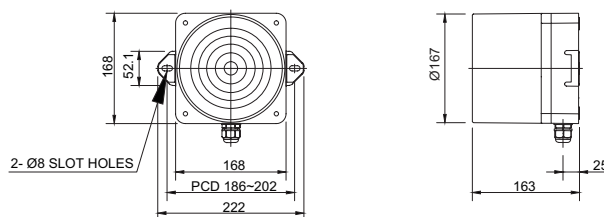
Technical Diagram

Units: mm

·QWCD35 / QWCD35SD



·QWCD50 / QWCD50SD



Ordering Specification

QWCD50	-	110/220	-	R	-	LC	-	INSND
[Model number]		[Voltage]		[Color]		[sound selection]		[Including SD card]
QWCD35		12/24		● R-Red		None-Standard type		None-Without SD card
QWCD35SD		-DC12V-24V		● A-Amber		LC Type-Uses external contact		INSND-Including SD card
QWCD50		110/220		● G-Green				
QWCD50SD		-AC110V-220V		● B-Blue				

Customization

- External threading of signal line for sound selection(Model number: -LC)
- Support for CAN communication type products(QWCD35 DC only)
- Cold-resistance type(DC type only)

QWCD Series

Allows for easy wiring with terminal box and 2 cable gland equipped



QWCD35T Series



QWCD50T Series

QWCD35T LED Strobe Signal Beacon & Electronic Sounder Combinations

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
QWCD35T Terminal box equipped type	DC12V-24V	Max. 1.35A	·Bit Input: 5Ch (SD Card)	CE	1.30kg	● R-Red
Built-in sound type	AC110V-220V	Max. 350mA	·Binary Input: 31Ch ·Built-in sounds : Max.115dB			● A-Amber
QWCD35TSD Terminal box equipped type	DC12V-24V	Max. 1.35A	·Based on Ch31	UL	1.35kg	● G-Green
MP3	AC110V-220V	Max. 350mA	·MP3: Max.112dB			● B-Blue

※ UL Listed: DC12V-24V

QWCD50T LED Strobe Signal Beacon & Electronic Sounder Combinations

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
QWCD50T Terminal box equipped type	DC12V-24V	Max. 4.65A	·Bit Input: 5Ch (SD Card)	CE	3.10kg	● R-Red
Built-in sound type	AC110V-220V	Max. 900mA	·Binary Input: 31Ch ·Built-in sounds : Max.123dB			● A-Amber
QWCD50TSD Terminal box equipped type	DC12V-24V	Max. 4.65A	·Based on Ch16	UL	3.40kg	● G-Green
MP3	AC110V-220V	Max. 900mA	·MP3: Max.115dB			● B-Blue

※ DC type model has a free-voltage range of 10V-30V.

※ AC type model has a free-voltage range of 100V-240V.

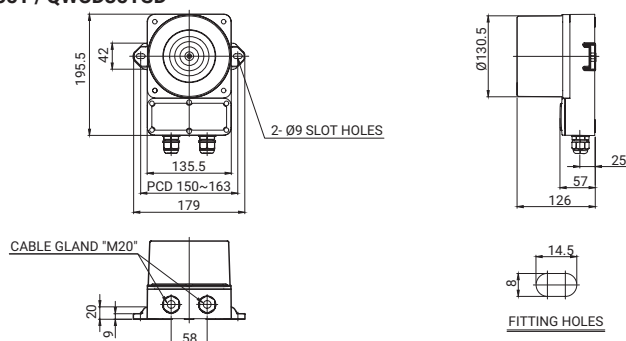
※ UL Listed: DC12V-24V

※ When playing MP3 files, there may be difference of volume depending on user's audio file type.

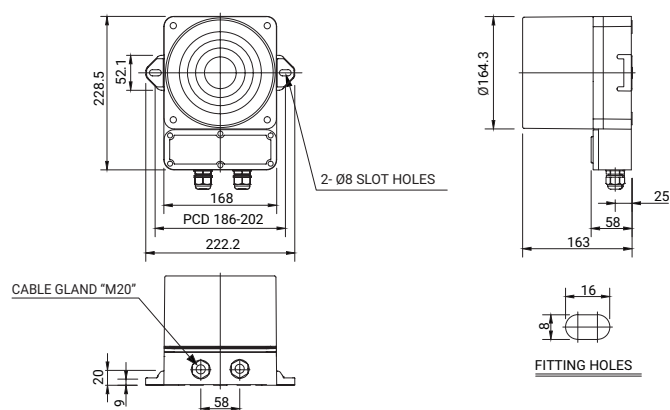
Technical Diagram

Units: mm

·QWCD35T / QWCD35TSD



·QWCD50T / QWCD50TSD

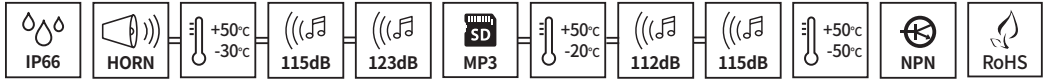


Customization

- External threading of signal line for sound selection(Model number: -LC)
- Support for CAN communication type products(QWCD35T DC only)
- Cold-resistance type(DC type only)

Ordering Specification

QWCD35T	110/220	R	LC	INSD
[Model number]	[Voltage]	[Color]	[sound selection]	[Including SD card]
QWCD35T	12/24-DC12V-24V	● R-Red	None-Standard type	None-Without SD card
QWCD35TSD	110/220-AC110V-220V	● A-Amber	LC Type-Uses external contact	INSD-Including SD card
QWCD50T		● G-Green		
QWCD50TSD		● B-Blue		

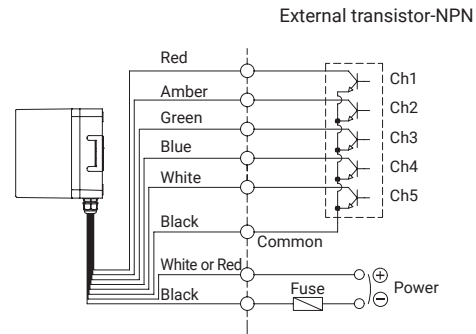
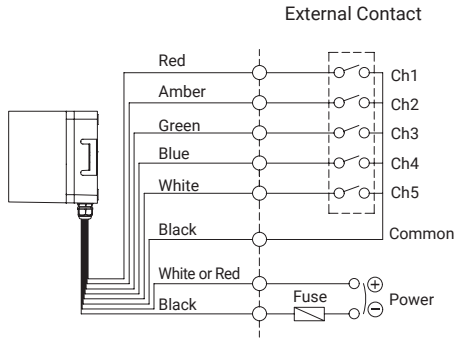


Wiring Instructions

- Standard specification: Uses internal switches
- Customization: Uses External Contact

· QWCD35 / QWCD50-DC/AC

· QWCD35T / QWCD50T-DC/AC



- Wiring to external contact and transistor
 - Wiring to transistor, use the NPN transistor
 - External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
 - External signal line - UL1007 AWG22(0.3sq) 400mm
 - DC type : Black output line is negative(-)
 - Channel selection : Bit input 5 sound tones for each group, Binary input 31 sound tones output
- ※ Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting(Wiring instruction is replaced to channel selection switch)

LED Strobe Signal Beacon with Built-in High Volume Buzzer

QWCD Series



QWCD35B

 QWCD35B LED strobe signal beacon with built-in high volume buzzer

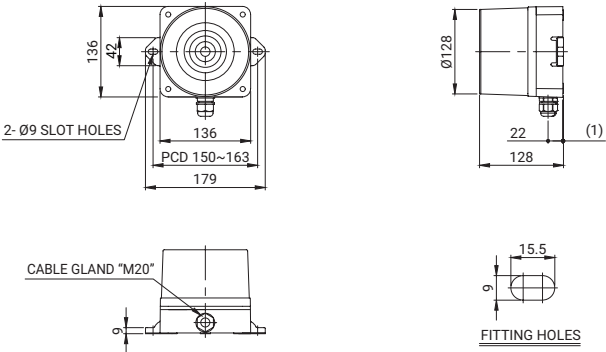
Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
QWCD35B	DC12V	800mA	·Buzzer volume : Max.115dB	 	0.78Kg	● R-Red
	DC24V	500mA			0.78Kg	● A-Amber
	AC110V-220V	Max.250mA			0.89Kg	● G-Green ● B-Blue

※ AC type model has a free-voltage range of 100V-240V.
※ UL Listed: DC12V, DC24V

Technical Diagram

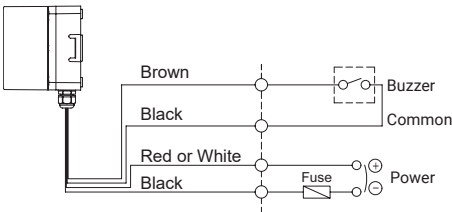
Units: mm

·QWCD35B



Wiring Instructions

·QWCD35B



· DC type : Black output line is negative(-)

Ordering Specification

QWCD35B	-	110/220	-	R
[Model number] QWCD35B		[Voltage] 12-DC12V 24-DC24V 110/220-AC110V-220V		[Color] ● R-Red ● A-Amber ● G-Green ● B-Blue



QWCD35BT LED strobe signal beacon with built-in high volume buzzer

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
QWCD35BT	DC12V	800mA	· Buzzer volume : Max.115dB	 	0.86Kg	● R-Red
	DC24V	500mA			0.86Kg	● A-Amber
	AC110V-220V	Max.250mA			0.97Kg	● G-Green ● B-Blue

※ AC type model has a free-voltage range of 100V-240V.

※ UL Listed: DC12V, DC24V

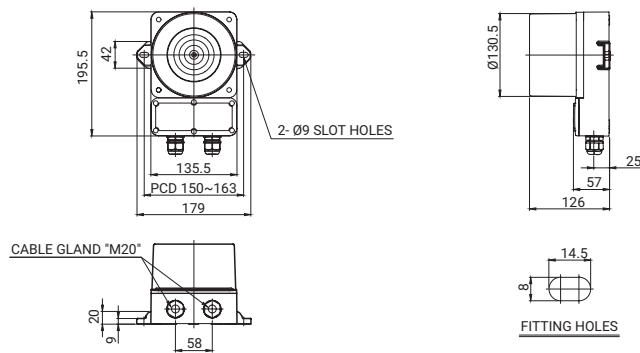


QWCD35BT

Technical Diagram

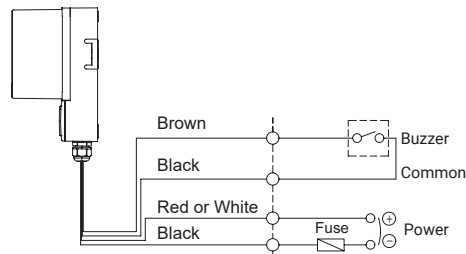
·QWCD35BT

Units: mm



Wiring Instructions

·QWCD35BT



· DC type : Black output line is negative(-)

Ordering Specification

QWCD35BT	-	110/220	-	R
[Model number] QWCD35BT		[Voltage] 12-DC12V 24-DC24V 110/220-AC110V-220V		[Color] ● R-Red ● A-Amber ● G-Green ● B-Blue

S100D Series

Various built-in sound tones of warning sounds, alarms and melodies



S100DLR



S100DL / S100DS



S100D

※ Please refer to [Sound tone and combination for standard product] on this catalogue for detailed sound tone specification.

PRODUCT SPECIFICATION

S100DLR | S100DL
S100DS | S100D

Materials Lens-AS, Housing-ABS,
Reflector-Heat resistant ABS

Protection rating IP54

Compliant with RoHS directive S100DLR / S100DL

- Ø100mm signal/warning lights and electric horn combination provides both audible and visual signaling capability in one unit
- Can select the proper signaling from a variety of light sources and sound tone

S100DLR LED Revolving Light & Electric Horn

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
S100DLR	DC12V	670mA	·WS-5 Warning sounds: Max.105dB	CE	0.89kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	DC24V	410mA	·WM-5 Melodies: Max.105dB		0.89kg	
	AC110V	145mA	·WA-5 Alarms: Max.103dB		1.27kg	
	AC220V	75mA	·WV-5 Customizable sounds : 91-100dB		1.27kg	

- Revolving speed: 120-140RPM
- Ambient operating temperature: -20°C to +50°C
- ※ CE compliant: DC24V, AC110V, AC220V

S100DL LED Steady/Flashing Light & Electric Horn

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
S100DL	DC12V	Max.	·WS-5 Warning sounds: Max.105dB	CE	0.95kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	-24V	460mA	·WM-5 Melodies: Max.105dB		1.16kg	
	AC110V	130mA	·WA-5 Alarms: Max.103dB		1.16kg	
	AC220V	70mA	·WV-5 Customizable sounds : 91-100dB		1.16kg	

- Flashing rate: 60-80/min (Built-in switch for selection between steady and flashing mode)
- Ambient operating temperature: -30°C to +50°C
- ※ CE compliant: DC24V, AC110V, AC220V

S100DS Xenon Lamp Strobe Light & Electric Horn

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
S100DS	DC12V	Max.1.4A	·WS-5 Warning sounds: Max.105dB	CE	0.76kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	-24V		·WM-5 Melodies: Max.105dB		1.21kg	
	AC110V	230mA	·WA-5 Alarms: Max.103dB		1.21kg	
	AC220V	155mA	·WV-5 Customizable sounds : 91-100dB		1.21kg	

- Flashing rate: 60-80/min
- Ambient operating temperature: -30°C to +50°C
- ※ CE compliant: DC24V, AC110V, AC220V



S100D Bulb Revolving Light & Electric Horn

Model number	Voltage	Current	Bulb			Sound pattern and volume	Certificates	Weight	Color
			Spec	Standard	Parts no				
S100D	DC12V	1.2A	12V10W	T16x35 15S	9	·WS-5 Warning sounds: Max.105dB		0.96kg	● R-Red
	DC24V	830mA	24V10W	T16x35 15S	10	·WM-5 Melodies: Max.105dB		0.96kg	● A-Amber
	AC110V	190mA	12V10W	T16x35 15S	9	·WA-5 Alarms: Max.103dB		1.38kg	● G-Green
	AC220V	95mA	12V10W	T16x35 15S	9	·WV-5 Customizable sounds: 91-100dB		1.38kg	● B-Blue

· Revolving speed: 120-140RPM

· Ambient operating temperature: -20°C to +50°C

※ CE compliant: DC24V, AC110V, AC220V

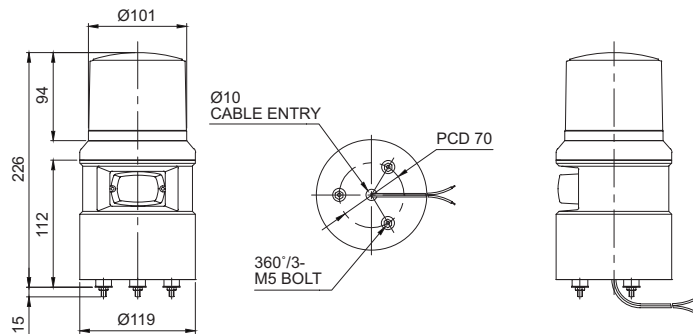
※ KC compliant: DC24V, AC220V

※ Max.built-in volume feature is based on WS-Ch3 / WM-Ch4 / WA-Ch1.

※ In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.

Technical Diagram ·S100DLR / S100DL / S100DS / S100D

Units: mm

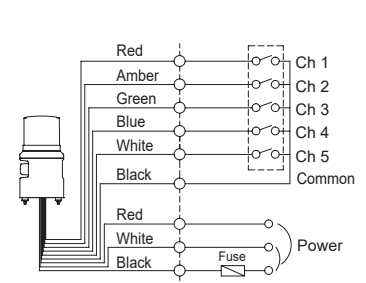
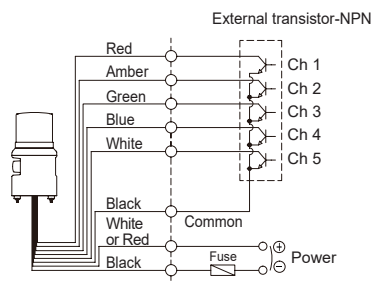
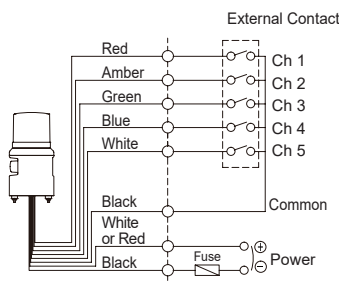


Wiring Instructions

·S100D / S100DL / S100DLR / S100DS-DC/AC

·S100DL-DC/AC

·S100D/S100DLR-AC compatible type



· External Power line - UL1015 AWG18(0.75sq) x 2C 400mm

· External signal line - UL1007 AWG22(0.3sq) 400mm

· S100D, S100DLR: Black output line is negative(-)

· AC compatible type shall be connected the black and white wires when using AC110V, and the black and red wires when using AC220V.

Customization

· Optional 8 harmonies(standard unit has a single harmony)

Ordering Specification

S100D	-	WA	-	220	-	R
[Model number]		[Sounds]		[Voltage]		[Color]
S100DLR		WS-Warning		12-DC12V		● R-Red
S100DL		WM-Melody		24-DC24V		● A-Amber
S100DS		WA-Alarm		12/24-DC12V-24V(S100DL, S100DS only)		● G-Green
S100D		WV-Customizable sound		110-AC110V		● B-Blue
				220-AC220V		



Do not apply a voltage to each signal line. It may cause damage to the product

By default the warning light is turned on when the Power is supplied, the voice/alarm output is Powered on by a separate connection.

Please wire properly.

S125D Series

Various built-in sound tones of Warning sounds, Alarms and Melodies



S125DLR



S125DL / S125DS



S125D

※ Please refer to [Sound tone and combination for standard product] on this catalogue for detailed sound tone specification.

PRODUCT SPECIFICATION

S125DLR | S125DL
S125DS | S125D

Materials Lens-AS, Housing-ABS,
Reflector-Heat resistant ABS

Protection rating IP54

Compliant with RoHS directive S125DLR / S125DL

- Ø125mm signal/warning light and electric horn combinations provides both audible and visual signaling capability in one unit
- Can select the proper signaling from a variety of light sources and sound tone

S125DLR LED Revolving Light & Electric Horn

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
S125DLR	DC12V	670mA	·WS-5 Warning sounds : Max.105dB	CE	0.92kg	 R-Red  A-Amber  G-Green  B-Blue
	DC24V	410mA	·WM-5 Melodies: Max.105dB		0.92kg	
	AC110V	145mA	·WA-5 Alarms: Max.103dB		1.29kg	
	AC220V	75mA	·WV-5 Customizable sounds : 91-100dB		1.29kg	

- Revolving speed: 120-140RPM
- Ambient operating temperature: -20°C to +50°C
- ※ CE compliant: DC24V, AC110V, AC220V

S125DL LED Steady/Flashing Light & Electric Horn

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
S125DL	DC12V	Max.	·WS-5 Warning sounds : Max.105dB	CE	0.76kg	 R-Red  A-Amber  G-Green  B-Blue
	-24V	520mA	·WM-5 Melodies: Max.105dB		1.16kg	
	AC110V	135mA	·WA-5 Alarms: Max.103dB		1.16kg	
	AC220V	70mA	·WV-5 Customizable sounds : 91-100dB		1.16kg	

- Flashing rate: 60-80/min (Built-in switch for selection between steady and flashing mode)
- Ambient operating temperature: -30°C to +50°C
- ※ CE compliant: DC24V, AC110V, AC220V

S125DS Xenon Lamp Strobe Light & Electric Horn

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
S125DS	DC12V	Max.	·WS-5 Warning sounds : Max.105dB	CE	0.76kg	 R-Red  A-Amber  G-Green  B-Blue
	-24V	1.4A	·WM-5 Melodies: Max.105dB		1.21kg	
	AC110V	230mA	·WA-5 Alarms: Max.103dB		1.21kg	
	AC220V	155mA	·WV-5 Customizable sounds : 91-100dB		1.21kg	

- Flashing rate: 60-80 flashes/min
- Ambient operating temperature: -30°C to +50°C
- ※ CE compliant: DC24V, AC110V, AC220V



S125D Bulb Revolving Light & Electric Horn

Model number	Voltage	Current	Bulb			Sound pattern and volume	Certificates	Weight	Color
			Spec	Standard	Parts no				
S125D	DC12V	1.2A	12V10W	T16x35 15S	9	·WS-5 Warning sounds: Max.105dB	CE	1.00kg	● R-Red
	DC24V	830mA	24V10W	T16x35 15S	10	·WM-5 Melodies: Max.105dB		1.00kg	● A-Amber
	AC110V	190mA	12V10W	T16x35 15S	9	·WA-5 Alarms: Max.103dB		1.41kg	● G-Green
	AC220V	95mA	12V10W	T16x35 15S	9	·WV-5 Customizable sounds: 91-100dB		1.41kg	● B-Blue

· Revolving speed: 120-140RPM

· Ambient operating temperature: -20°C to +50°C

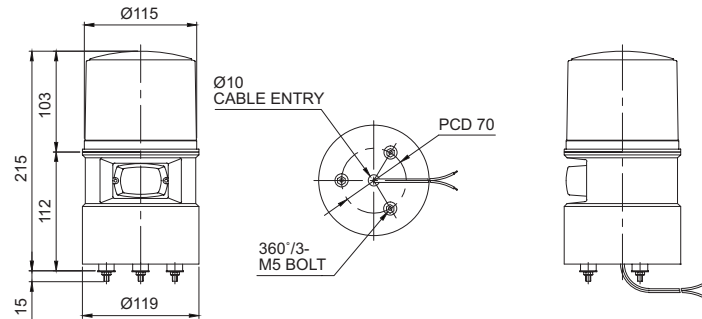
※ CE compliant: DC24V, AC110V, AC220V

※ Max.built-in volume feature is based on WS-Ch3 / WM-Ch4 / WA-Ch1.

※ In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.

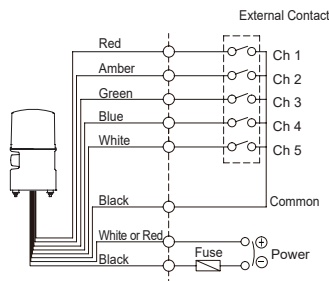
Technical Diagram ·S125DLR / S125DL / S125DS / S125D

Units: mm

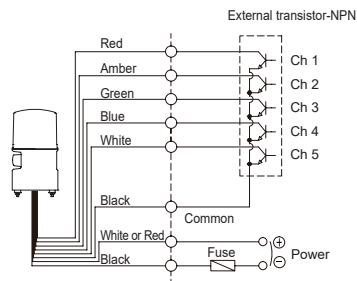


Wiring Instructions

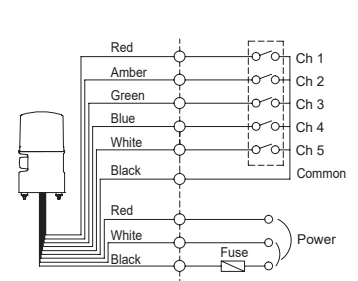
·S125D / S125DL / S125DLR / S125DS-DC/AC



·S125DL-DC/AC



·S125D/S125DLR-AC compatible type



· External Power line - UL1015 AWG18(0.75sq) x 2C 400mm

· External signal line - UL1007 AWG22(0.3sq) x 2C 400mm

· S125D, S125DLR: Black output line is Negative (-)

· AC compatible type shall be connected the black and white wires when using AC110V, and the black and red wires when using AC220V.

Customization

· Optional 8 harmonies(standard unit has a single harmony)

Ordering Specification

S125D	-	WA	-	220	-	R
[Model number]		[Sounds]		[Voltage]		[Color]
S125DLR		WS-Warning		12-DC12V		● R-Red
S125DL		WM-Melody		24-DC24V		● A-Amber
S125DS		WA-Alarm		12/24-DC12V-24V (S125DL, S125DS only)		● G-Green
S125D		WV-Customizable sound		110-AC110V		● B-Blue
				220-AC220V		



Do not apply a voltage to each signal line. It may cause damage to the product

By default the warning light is turned on when the Power is supplied, the voice/alarm output is Powered on by a separate connection.

Please wire properly.

STD Series

A variety of pre-recorded sound patterns-warning sounds, melodies, and alarms



STD Series

PRODUCT SPECIFICATION

STDL

Materials Lens-AS, Cover-ABS, Housing-ABS, Reflector-Heat resistant ABS

Ambient operating temperature -30°C to +50°C

Protection rating IP54

Standard color arrangements

1 Layer: ● Red

2 Layers: ● Red ● Green

3 Layers: ● Red ● Amber ● Green

4 Layers: ● Red ● Amber ● Green ● Blue

5 Layers: ● Red ● Amber ● Green ● Blue ○ Clear White

Flashing rate 60-80/min

Compliant with RoHS directive

- LED steady/flashing mode
- Available for customized color arrangements
- Ø80mm stackable light and electric horn combination provides both audible and visual signaling capability in one unit
- Appropriate sound tones can be chosen depending on the various working environment among various available sound tones
- 5 selectable sound pattern combinations(5 warning sounds, 5 special warning sounds, 5 melodies, 5 alarms)
- WV type: Input audio message needs to be provided to us by the customer prior to manufacturing

STDL LED Steady/Flashing Tower Light & Electric Horn

Model number	Layer	Voltage	Sound pattern and volume	Certificates	Weight	Color
STDL Steady STDLF Steady/Flashing	1	DC12V	·WS-5 Warning sounds: Max.105dB ·WM-5 Melodies: Max.103dB ·WA-5 Alarms: Max.103dB ·WV-5 Customizable sounds : 91-100dB	CE	0.80kg	● R-Red
		DC24V			0.80kg	
		AC110V			1.39kg	
		AC220V			1.39kg	
	2	DC12V			0.91kg	● R-Red ● G-Green
		DC24V			0.91kg	
		AC110V			1.36kg	
		AC220V			1.36kg	
	3	DC12V			1.05kg	● R-Red ● A-Amber ● G-Green
		DC24V			1.05kg	
		AC110V			1.49kg	
		AC220V			1.49kg	
	4	DC12V			1.16kg	● R-Red ● A-Amber ● G-Green ● B-Blue
		DC24V			1.16kg	
		AC110V			1.61kg	
		AC220V			1.61kg	
	5	DC12V			1.30kg	● R-Red ● A-Amber ● G-Green ● B-Blue ○ W-White
		DC24V			1.30kg	
		AC110V			1.74kg	
		AC220V			1.74kg	

※ CE compliant: DC24V

※ Max.built-in volume feature is based on WS-Ch3 / WM-Ch4 / WA-Ch1.

※ In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.

※ Please refer to [Sound tone and combination for standard product] on this catalogue for detailed sound tone specification.

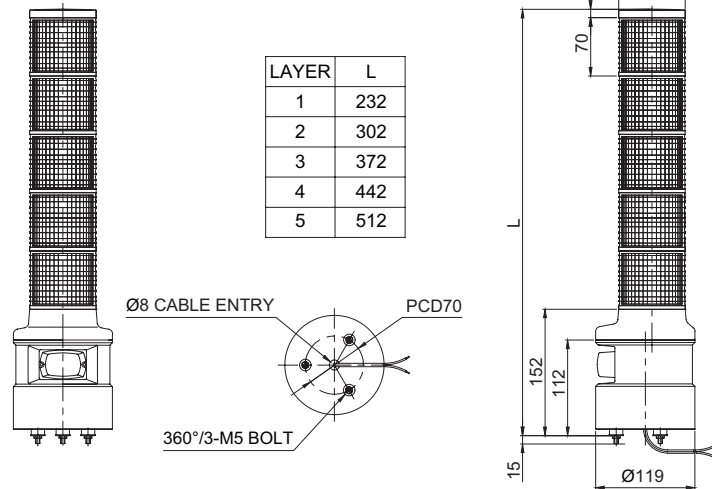
Light source/signal sound current(based on 1 layer)

Voltage	DC12V	DC24V	AC110V	AC220V
Light source current(1 layer)	160mA	95mA	70mA	55mA
Signal sound current	280mA	210mA	85mA	45mA

Technical Diagram

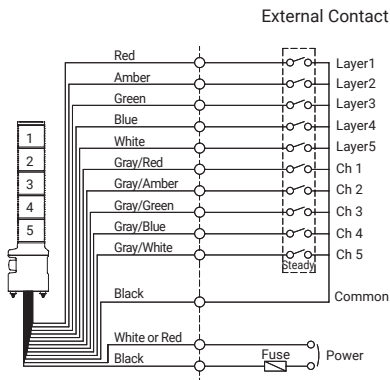
Units: mm

·STDL / STDLF

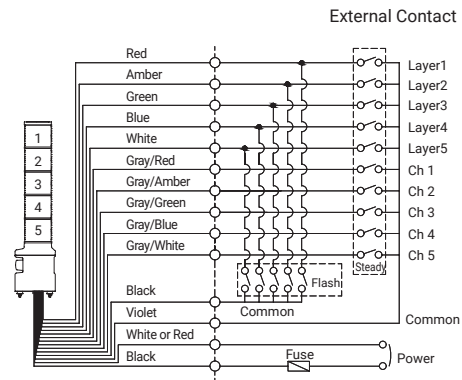


Wiring Instructions

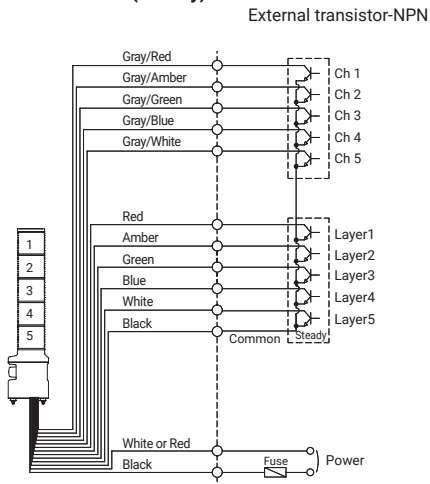
·STDL-DC/AC(Steady)



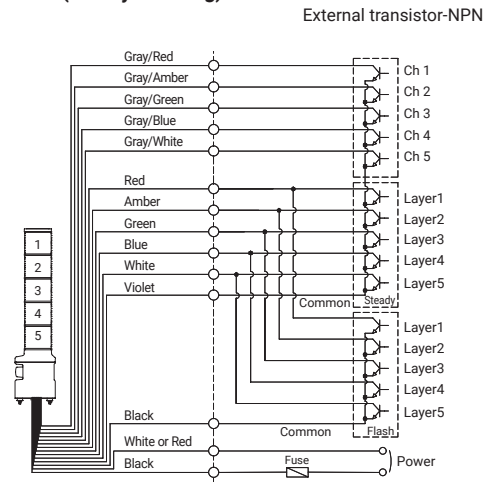
·STDLF-DC/AC(Steady/Flashing)



·STDL-DC/AC(Steady)



·STDLF-DC/AC(Steady/Flashing)



- External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- External signal line UL1007 AWG22(0.3sq) 400mm
- This product can be wired regardless of polarity.



Do not apply a voltage to each signal line. It may cause damage to the product

- STDL / STDLF model wiring can be done with either External Contact or External transistors.
- In case of wiring by using transistor, NPN transistor is needed and follow the wiring diagram on the right in order to wire properly.

STD Series

Customization

Model number	Lens Diameter	Lens Height	Light Mode	Tower Light Part Model
STD56EL(F)	Ø56mm	40mm	LED Steady/Flashing	ST56EL
STD56L(F)	Ø56mm	70mm	LED Steady/Flashing	ST56L
STDEL(F)	Ø80mm	40mm	LED Steady/Flashing	ST80EL

- Customized light sources and light mode
- Customized color arrangements available
- Wall mount brackets
- Optional 8 harmonies(Model number: STD56EL(F), STD56L(F), STDEL(F), STD56B Series, STD80B Series, STD80EL Series)

Ordering Specification

STD L	-	WA	-	3	-	220	-	RAG
[Model number]		[Sounds]		[Layer]		[Voltage]		[Color]
STD L		WS-Warning		1-1Layer		12-DC12V		● R-Red
STD L F		WM-Melody		2-2Layers		24-DC24V		● A-Amber
		WA-Alarm		3-3Layers		110-AC110V		● G-Green
		WV-Customizable sound		4-4Layers		220-AC220V		● B-Blue
				5-5Layers				○ W-White

STND / STND-N Series

Warning lights with electric horn supports 30 prerecorded, 30 user defined sound tones(MP3)

PRODUCT SPECIFICATION

STNDL | STND100 | STND125
STNDL-N | STND100-N | STND125-N

Materials Lens-AS, Housing-ABS,
Reflector-Heat resistant ABS

Protection rating IP54

Compliant with RoHS directive

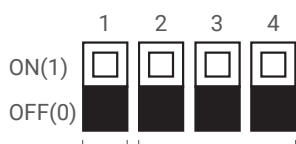
- Combination of warning light and horn allows transmission of both visual and audible signals together
- Appropriate sound tones can be chosen depending on the various working environments among the various type of available sound tones
- Sound tone selector and volume controller in front of the device allows convenient use
- SD Card type allows user defined sound tone
- Built-in 30 sound tones, support binary and bit input modes
- Binary input mode allows the user to select from 30 different sound options with the tone selection switch
- Bit input mode consists of 5 sound types with 6 groups. Choose one of the groups to play 5 sounds from that group.(MP3 is separate from the 6 groups)
- Standard unit choose built-in sound only. It can choose 30 sounds in accordance with the customer's needs.



STND Series

Sound Selection Instruction for SDcard Type

- SD card type unit
- It can choose both built-in sounds and user defined sounds(MP3) by controlling sound setup switch no. 1.
- Standard unit
- It can choose both Bit input mode and Binary input mode by controlling sound setup switch no. 1.



Sound Selection

- 0: Built-in sound
- 1: SD Card(MP3)

Standard unit(Built-in sound only)

- 0:Bit input(Can choose 5 channels per group)
- 1:Binary(Can choose 30 channels)

Bit input mode selection from 6 groups

- 001: WS(5 Warning sounds)
- 010: WP(5 Special warning sounds 1st group)
- 011: WM(5 Melodies)
- 100: WA(5 Alarms)
- 101: WO(5 Special warning sounds 2nd group)
- 110: WN(5 Special warning sounds 3rd group)

- 30 pre-recorded sounds offered(5 warning sounds, 5 special warning sounds 1st group, 5 melodies, 5 alarms, 5 special warning sounds 2nd group, 5 special warning sounds 3rd group)
- External MP3 sound support(SD card)
- Binary input: 30 channels
- Bit input: 5 channels(6 sound groups)
- A multi-functional product that can use an SD card for MP3 playback
- Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting.

Features per model

	STNDL/STND100 STND125(MP3)	STNDL-N/STND100-N STND125-N (standard unit)	Column
Support SD card(MP3)	O	X	
Support 30 built-in sounds	O	O	
Play mode	O	X	
Bit/Binary input	O	O	Please refer to sound setup switch manual

STNDL / STND100,125(MP3)

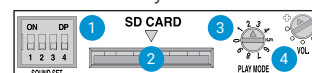
- User defined 30 sounds
- 30 built-in sounds

STNDL-N / STND100,125-N (standard unit)

- 30 built-in sounds

Function setting

- Standard unit does not support either SD card or Play mode.



- 1 Switch for Sound selection
- 2 SD card slot for MP3
- 3 Switch for play Mode selection
- 4 Switch for Volume adjustment

User-defined sound(MP3)

- User-defined sound(MP3) type



Customer can create a playlist and grouping conveniently through PC. Product supports up to 32Gbyte.

- Use standard SD card.
- Mini SD or Micro SD also can be used with adaptor.
- SD, SDHC type supported
- Storage capacity : Max.32GB
- The SD card speed is compatible with the following classes: C2, C4, C6, V6, C10, U1, V6, and V10.

※ The maximum speed supported is 10MB/s.

Multifunctional Signal/Warning Lights with Electric Horn

STNDL Series



STNDL Series

STNDL / STNDLF LED Steady/Flashing Tower Light & Electric Horn

Model number	Layer	Voltage	Sound pattern and volume	Certificates	Weight	Color
STNDL Steady	1	DC12V	·WS-Warning sound ·WP-Special warning sound 1st group ·WM-Melody ·WA-Alarm ·WO-Special warning sound 2nd group ·WN-Special warning sound 3rd group ·Bit Input: 5Ch ·Binary Input: 30Ch ·Built-in sounds : Max.105dB (Based on WS-Ch5) ·MP3: Max.98dB	CE	1.19kg	
		DC24V			1.19kg	R-Red
		AC110V-220V			1.58kg	
	2	DC12V			1.43kg	R-Red
		DC24V			1.43kg	A-Amber
		AC110V-220V			1.82kg	G-Green
	3	DC12V			1.67kg	R-Red
		DC24V			2.06kg	A-Amber
		AC110V-220V			2.06kg	G-Green
	4	DC12V			1.91kg	R-Red
DC24V		1.91kg	A-Amber G-Green			
AC110V-220V		2.30kg	B-Blue			
5	DC12V	2.15kg	R-Red A-Amber			
	DC24V	2.15kg	G-Green B-Blue			
	AC110V-220V	2.54kg	W-White			

· Lens colors are interchangeable

· Ambient operating temperature: -30°C to +50°C

※ CE compliant: DC24V, AC110V, AC220V

※ When playing MP3 files, there may be difference of volume depending on user's audio file type.



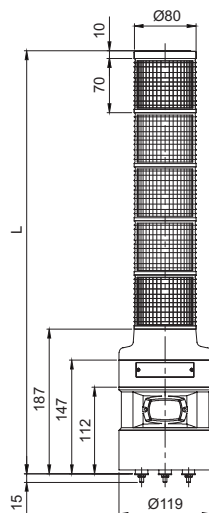
STND Series has a front control panel for convenient sound signal control.

Light source/signal sound current(based on 1 layer)

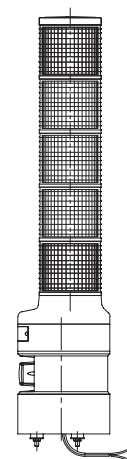
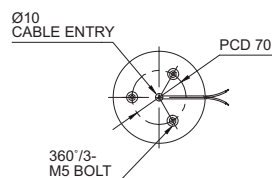
Voltage	DC12V	DC24V	AC110V-220V
Light source current(1 layer)	160mA	95mA	Max.70mA
Signal sound current	285mA	185mA	Max.105mA

Technical Diagram

Units: mm



LAYER	L
1	267
2	337
3	407
4	477
5	547

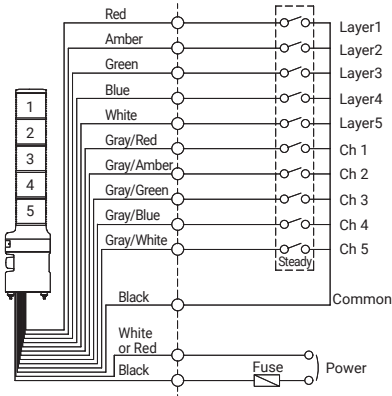




Wiring Instructions

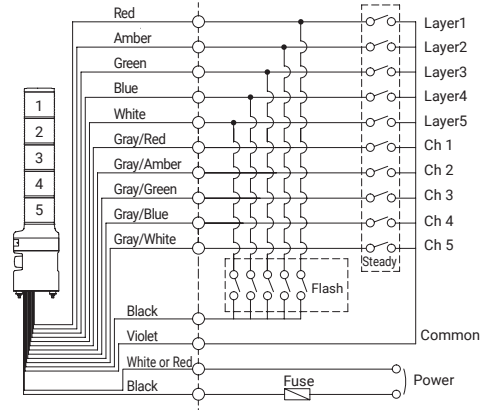
·STNDL-DC/AC(Steady)

External Contact



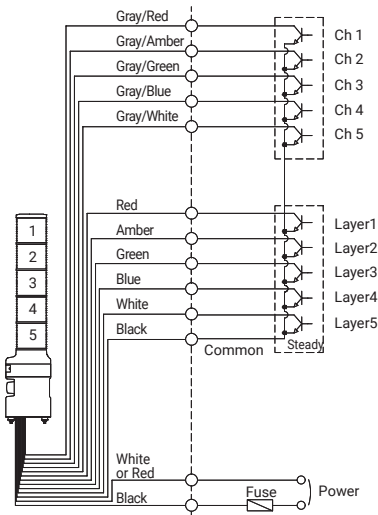
·STNDLF-DC/AC(Steady/Flashing)

External Contact



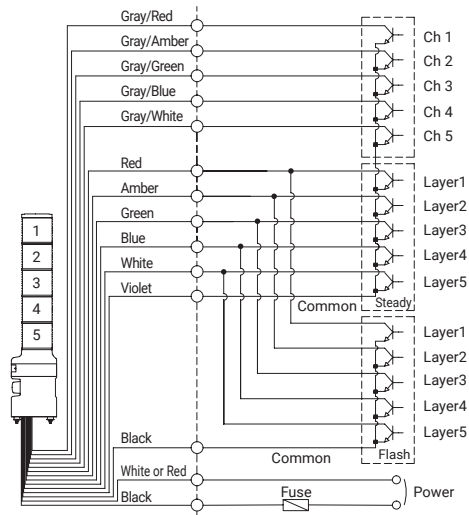
·STNDL-DC/AC(Steady)

External transistor-NPN



·STNDLF-DC/AC(Steady/Flashing)

External transistor-NPN



- External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
- External signal line - UL1007 AWG22(0.3sq) 400mm
- This product can be wired regardless of polarity.
- In case of Bit input, 5 sound tones can be played. For Binary input, 30 sound tones can be played.
- ※ Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting
(Wiring instruction is replaced to channel selection switch)

Ordering Specification

STNDL	-	3	-	24	-	RAG	-	INSD
[Model number]		[Layer]		[Voltage]		[Color]		[Including SD card]
STNDL STNDLF		1-1Layer 2-2Layers 3-3Layers 4-4Layers 5-5Layers		12-DC12V 24-DC24V 110/220-AC110V-220V		● R-Red ● A-Amber ● G-Green ● B-Blue ○ W-White		None-Without SD card INSD-Including SD card



Do not apply a voltage to each signal line. It may cause damage to the product

- NPN transistor(non-External Contact control) can be enabled by using the flashing Common line for the light source.
- Each unit's light source and signal sound do not operate identically even though multiple units are working at the same time.
- Do not short-circuit between steady Common and flash Common. Signal light won't work properly.

STNDL-N Series



STNDL Series

STNDL-N / STNDLF-N LED Steady/Flashing Tower Light & Electric Horn

Model number	Layer	Voltage	Sound pattern and volume	Certificates	Weight	Color
STNDL Steady	1	DC12V			1.19kg	
		DC24V			1.19kg	● R-Red
		AC110V-220V			1.58kg	
	2	DC12V			1.43kg	● R-Red
		DC24V	·WS-Warning sound		1.43kg	● A-Amber
		AC110V-220V	·WP-Special warning sound 1st group		1.82kg	● G-Green
	3	DC12V	·WM-Melody	CE	1.67kg	● R-Red
		DC24V	·WA-Alarm		1.67kg	● A-Amber
		AC110V-220V			2.06kg	● G-Green
	4	DC12V	·Bit Input: 5Ch		1.91kg	● R-Red
		DC24V	·Binary Input: 30Ch		1.91kg	● A-Amber
		AC110V-220V	·Built-in sounds : Max.105dB (Based on WS-Ch5)		2.30kg	● G-Green
	5	DC12V			2.15kg	● B-Blue
		DC24V			2.15kg	● R-Red
		AC110V-220V			2.54kg	● A-Amber

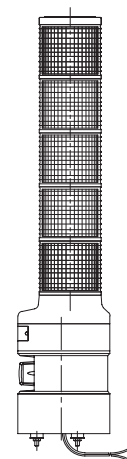
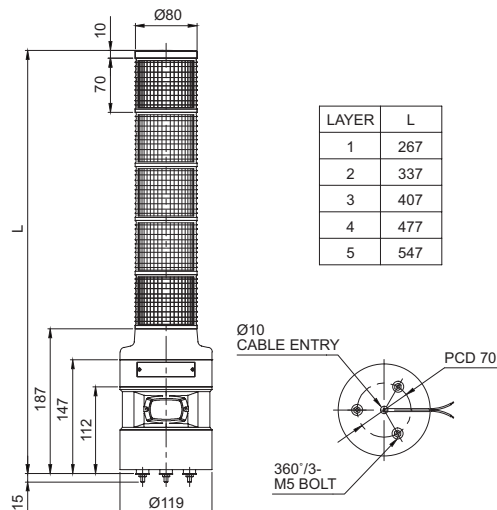
- Lens colors are interchangeable
- Ambient operating temperature: -30°C to +50°C
- ※ CE compliant: DC24V, AC110V, AC220V

Light source/signal sound current(based on 1 layer)

Voltage	DC12V	DC24V	AC110V-220V
Light source current(1 layer)	160mA	95mA	Max.70mA
Signal sound current	285mA	185mA	Max.105mA

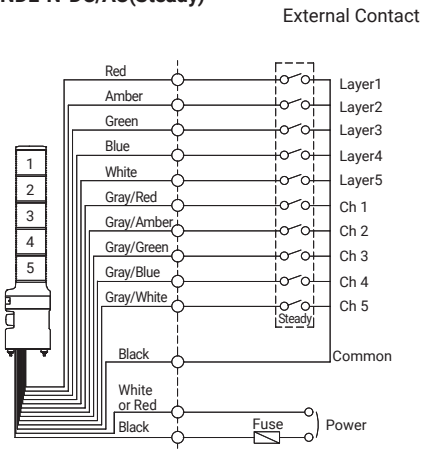
Technical Diagram

Units: mm

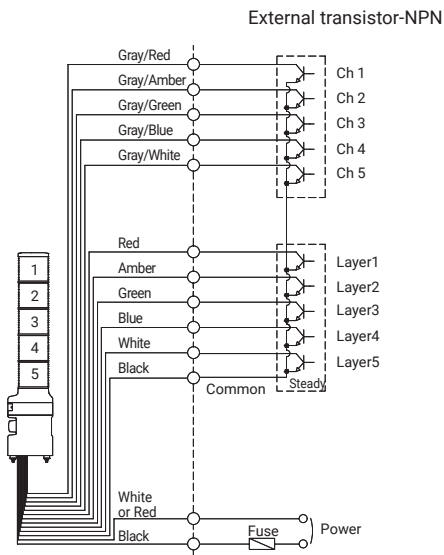


Wiring Instructions

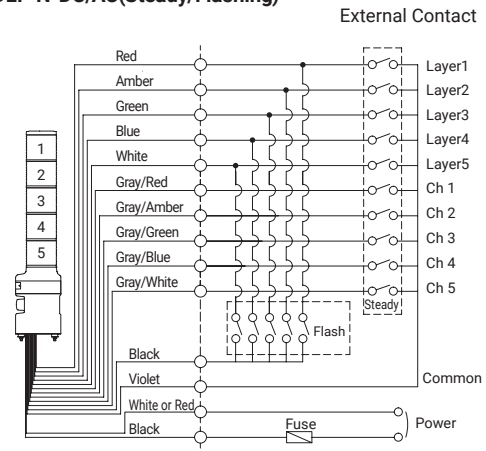
·STNDL-N-DC/AC(Steady)



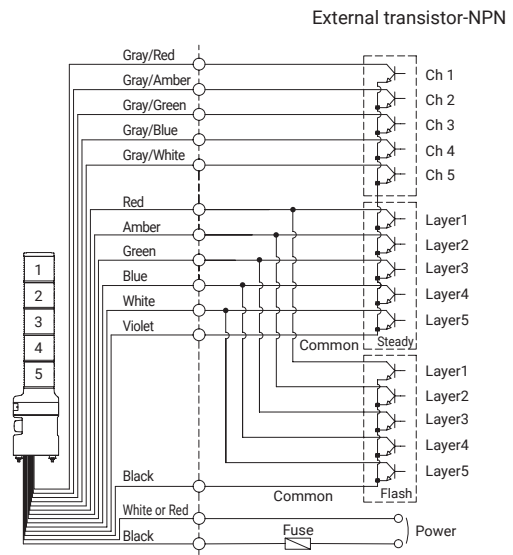
·STNDL-N-DC/AC(Steady)



·STNDLF-N-DC/AC(Steady/Flashing)



·STNDLF-N-DC/AC(Steady/Flashing)



- External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
- External signal line - UL1007 AWG22(0.3sq) 400mm
- This product can be wired regardless of polarity.
- In case of Bit input, 5 sound tones can be played. For Binary input, 30 sound tones can be played.

Ordering pecification

STNDL-N	-	3	-	24	-	RAG
[Model number]		[Layer]		[Voltage]		[Color]
STNDL-N		1-1Layer		12-DC12V		● R-Red
STNDLF-N		2-2Layers		24-DC24V		● A-Amber
		3-3Layers		110/220-AC110V-220V		● G-Green
		4-4Layers				● B-Blue
		5-5Layers				○ W-White



Do not apply a voltage to each signal line. It may cause damage to the product

- NPN transistor(non-External Contact control) can be enabled by using the flashing Common line for the light source.
- Each unit's light source and signal sound do not operate identically even though multiple units are working at the same time.
- Do not short-circuit between steady Common and flash Common. Signal light won't work properly.

Multifunctional Signal/Warning Lights with Electric Horn

STND Series

- 6 Bit input, 5 sound tones for each group
- Binary input 30 sound tones output
- SD Card(MP3) support



STND100LR



STND100L



STND100R

STND100LR LED Revolving Light & Electric Horn

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
STND100LR	DC12V	650mA	·Bit Input: 5Ch	CE	1.40kg	● R-Red
	DC24V	450mA	·Binary Input: 30Ch		1.40kg	● A-Amber
	AC110V -220V	Max. 180mA	·Built-in sounds: Max.105dB (Based on WS-Ch5) ·MP3: Max.98dB		1.62kg	● G-Green ● B-Blue

- Excellent omni-directional visibility with LED light collecting system and special multifaceted reflector
- Ambient operating temperature: -20°C to +50°C / Revolving speed: 120-140RPM
- ※ CE compliant: DC24V

STND100L LED Steady/Flashing Light & Electric Horn

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
STND100L	DC12V	Max.	·Bit Input: 5Ch	CE	1.37kg	● R-Red
	-24V	485mA	·Binary Input: 30Ch			● A-Amber
	AC110V -220V	Max. 190mA	·Built-in sounds: Max.105dB (Based on WS-Ch5) ·MP3: Max.98dB		1.78kg	● G-Green ● B-Blue

- Excellent visibility that employs a special scattering lens
- Ambient operating temperature: -30°C to +50°C
- Flashing rate: 60-80/min(Built-in switch for selection between steady and flashing mode)
- ※ CE compliant: DC24V

STND100R Bulb Revolving Light & Electric Horn

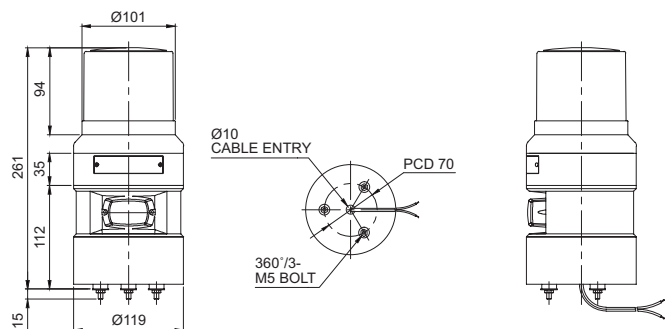
Model number	Voltage	Current	Bulb			Sound pattern and volume	Certificates	Weight	Color
			Spec	Standard	Parts no				
STND 100R	DC12V	1.2A	12V10W		9	·Bit Input: 5Ch	CE	1.57kg	● R-Red
	DC24V	865mA	24V10W	T16x35 15S	10	·Binary Input: 30Ch		1.57kg	● A-Amber
	AC110V -220V	Max. 350mA	24V10W		10	·Built-in sounds: Max.105dB (Based on WS-Ch5) ·MP3: Max.98dB		1.82kg	● G-Green ● B-Blue

- Ambient operating temperature: -20°C to +50°C
- Revolving speed: 120-140RPM
- ※ CE compliant: DC24V
- ※ When playing MP3 files, there may be difference of volume depending on user's audio file type.

Technical Diagram

Units: mm

·STND100LR / STND100L / STND100R



Ordering Specification

STND100LR	-	24	-	R	-	INSD
[Model number]		[Voltage]		[Color]		[Including SD card]
STND100LR		12-DC12V		● R-Red		None-Without
STND100L		24-DC24V		● A-Amber		SD card
STND100R		12/24-DC12V-24V (STND100L only)		● G-Green		INSD-Including
		110/220-AC110V-220V		● B-Blue		SD card



STND125LR LED Revolving Light & Electric Horn

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
STND125LR	DC12V	650mA	·Bit Input: 5Ch	CE	1.35kg	● R-Red
	DC24V	450mA	·Binary Input: 30Ch		1.35kg	● A-Amber
	AC110V -220V	Max. 180mA	·Built-in sounds: Max.105dB (Based on WS-Ch5) ·MP3: Max.98dB		1.73kg	● G-Green ● B-Blue

- Excellent omni-directional visibility with LED light collecting system and special multifaceted reflector
- Ambient operating temperature: -20°C to +50°C / Revolving speed: 120-140RPM
- ※ CE compliant: DC24V

STND125L LED Steady/Flashing Light & Electric Horn

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
STND125L	DC12V	Max.	·Bit Input: 5Ch	CE	1.32kg	● R-Red
	-24V	515mA	·Binary Input: 30Ch			● A-Amber
	AC110V -220V	Max. 210mA	·Built-in sounds: Max.105dB (Based on WS-Ch5) ·MP3: Max.98dB	UL	1.65kg	● G-Green ● B-Blue

- Excellent visibility that employs a special scattering lens
- Ambient operating temperature: -30°C to +50°C
- Flashing rate: 60-80/min(Built-in switch for selection between steady and flashing mode)
- ※ CE compliant: DC24V, UL Listed: DC24V

STND125R Bulb Revolving Light & Electric Horn

Model number	Voltage	Current	Bulb		Sound pattern and volume	Certificates	Weight	Color
			Spec	Standard Parts no				
STND125R	DC12V	1.2A	12V10W	9	·Bit Input: 5Ch	CE	1.27kg	● R-Red
	DC24V	865mA	24V10W	T16x35 15S	·Binary Input: 30Ch		1.27kg	● A-Amber
	AC110V -220V	Max. 350mA	24V10W	10	·Built-in sounds: Max.105dB (Based on WS-Ch5) ·MP3: Max.98dB		1.62kg	● G-Green ● B-Blue

- Ambient operating temperature: -20°C to +50°C
- Revolving speed: 120-140RPM
- ※ CE compliant: DC24V
- ※ When playing MP3 files, there may be difference of volume depending on user's audio file type.



STND125LR



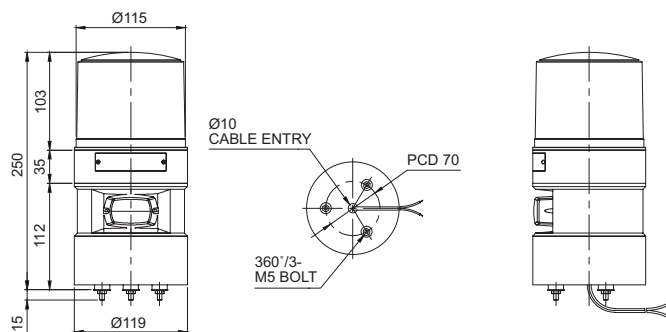
STND125L



STND125R

Technical Diagram

Units: mm



Ordering Specification

STND125LR	-	24	-	R	-	INSD
[Model number]		[Voltage]		[Color]		[Including SD card]
STND125LR		12-DC12V		● R-Red		None-Without SD card
STND125L		24-DC24V		● A-Amber		card
STND125R		12/24-DC12V-24V (STND125L only)		● G-Green		INSD-Including SD card
		110/220-AC110V-220V		● B-Blue		

STND-N Series

- 6 Bit input, 5 sound tones for each group
- Binary input 30 sound tones output



STND100LR-N



STND100L-N



STND100R-N

STND100LR-N LED Revolving Light & Electric Horn

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
STND100LR-N	DC12V	650mA	·Bit Input: 5Ch	CE	1.40kg	● R-Red
	DC24V	450mA	·Binary Input: 30Ch		1.40kg	● A-Amber
	AC110V	Max.	·Built-in sounds: Max.105dB		1.62kg	● G-Green
	-220V	180mA	(Based on WS-Ch5)			● B-Blue

- Excellent omni-directional visibility with LED light collecting system and special multifaceted reflector
- Ambient operating temperature: -20°C to +50°C
- Revolving speed: 120-140RPM
- ※ CE compliant: DC24V

STND100L-N LED Steady/Flashing Light & Electric Horn

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
STND100L-N	DC12V	Max.	·Bit Input: 5Ch	CE	1.37kg	● R-Red
	-24V	485mA	·Binary Input: 30Ch		1.78kg	● A-Amber
	AC110V	Max.	·Built-in sounds: Max.105dB			● G-Green
	-220V	190mA	(Based on WS-Ch5)			● B-Blue

- Excellent visibility that employs a special scattering lens
- Ambient operating temperature: -30°C to +50°C
- Flashing rate: 60-80/min(Built-in switch for selection between steady and flashing mode)
- ※ CE compliant: DC24V

STND100R-N Bulb Revolving Light & Electric Horn

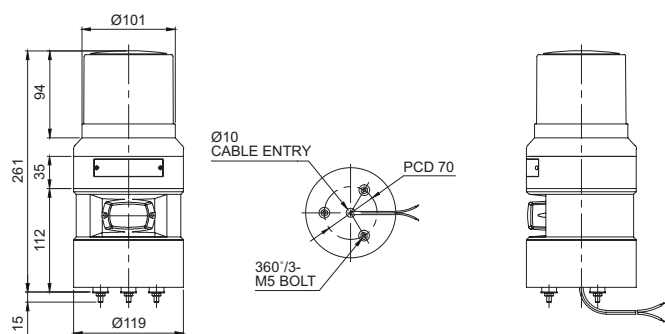
Model number	Voltage	Current	Bulb		Sound pattern and volume	Certificates	Weight	Color
			Spec	Standard	Parts no			
STND100R-N	DC12V	1.2A	12V		9	CE	1.57kg	● R-Red
	DC24V	865mA	24V	T16x35	10		1.57kg	● A-Amber
			10W	15S			1.82kg	● G-Green
	AC110V	Max.	24V		10			● B-Blue
	-220V	355mA	10W					

- Ambient operating temperature: -20°C to +50°C
- Revolving speed: 120-140RPM
- ※ CE compliant: DC24V

Technical Diagram

Units: mm

·STND100LR-N / STND100L-N / STND100R-N



Ordering Specification

STND100LR-N	-	24	-	R
[Model number]		[Voltage]		[Color]
STND100LR-N		12-DC12V		● R-Red
STND100L-N		24-DC24V		● A-Amber
STND100R-N		12/24-DC12V-24V		● G-Green
		(STND100L-N only)		● B-Blue
		110/220-AC110V-220V		



STND125LR-N LED Revolving Light & Electric Horn

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
STND125LR-N	DC12V	650mA	·Bit Input: 5Ch	CE	1.35kg	● R-Red
	DC24V	450mA	·Binary Input: 30Ch		1.35kg	● A-Amber
	AC110V	Max.	·Built-in sounds			● G-Green
	-220V	200mA	: Max.105dB (Based on WS-Ch5)		1.73kg	● B-Blue

- Excellent omni-directional visibility with LED light collecting system and special multifaceted reflector
- Ambient operating temperature: -20°C to +50°C
- Revolving speed: 120-140RPM
- ※ CE compliant: DC24V

STND125L-N LED Steady/Flashing Light & Electric Horn

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
STND125L-N	DC12V	Max.	·Bit Input: 5Ch	CE	1.32kg	● R-Red
	-24V	515mA	·Binary Input: 30Ch			● A-Amber
	AC110V	Max.	·Built-in sounds			● G-Green
	-220V	210mA	: Max.105dB (Based on WS-Ch5)		1.65kg	● B-Blue

- Excellent visibility that employs a special scattering lens
- Ambient operating temperature: -30°C to +50°C
- Flashing rate: 60-80/min(Built-in switch for selection between steady and flashing mode)
- ※ CE compliant: DC24V

STND125R-N Bulb Revolving Light & Electric Horn

Model number	Voltage	Current	Bulb		Sound pattern and volume	Certificates	Weight	Color
			Spec	Standard				
STND125R-N	DC12V	1.2A	12V		CE		1.27kg	● R-Red
	DC24V	865mA	10W					● A-Amber
			24V	T16x35			1.27kg	● G-Green
	AC110V	Max.	10W	15S				● B-Blue
	-220V	350mA	10W				1.62kg	

- Ambient operating temperature: -20°C to +50°C
- Revolving speed: 120-140RPM
- ※ CE compliant: DC24V



STND125LR-N



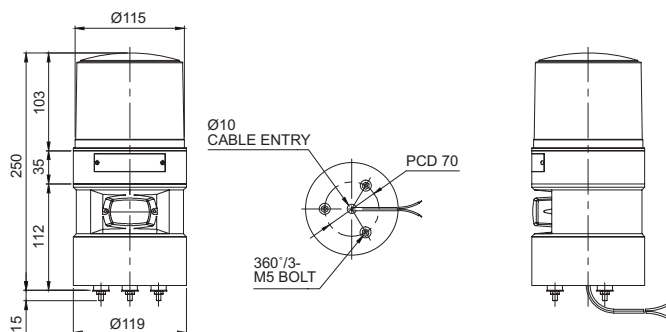
STND125L-N



STND125R-N

Technical Diagram

Units: mm

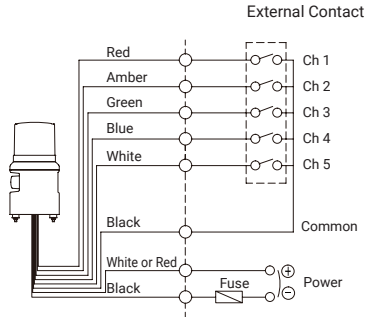


Ordering Specification

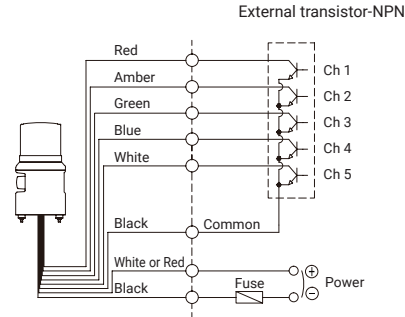
STND125LR-N	-	24	-	R
[Model number]		[Voltage]		[Color]
STND125LR-N		12-DC12V		● R-Red
STND125L-N		24-DC24V		● A-Amber
STND125R-N		12/24-DC12V-24V (STND125L-N only)		● G-Green
		110/220-AC110V-220V		● B-Blue

Wiring Instructions

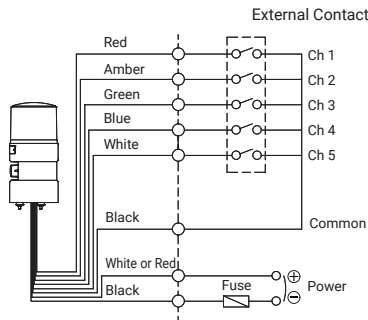
- STND100LR / STND100L / STND100R-DC/AC
- STND100LR-N/STND100L-N/STND100R-N-DC/AC



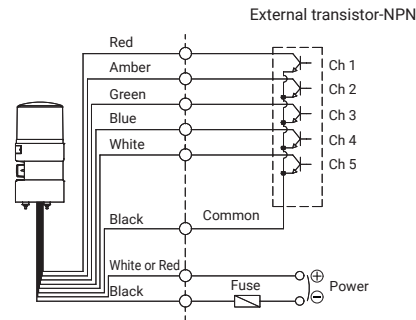
- STND100DL-DC/AC
- STND100L-N-DC/AC



- STND125LR / STND125L / STND125R-DC/AC
- STND125LR-N/STND125L-N/STND125R-N-DC/AC



- STND125DL-DC/AC
- STND125L-N-DC/AC



- In case of Bit input, 5 sound tones can be played. For Binary input, 30 sound tones can be played.
- STND100R, STND100LR, STND125R, STND125LR : Black output line is negative(-)
- ※ Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting
(Wiring instruction is replaced to channel selection switch)

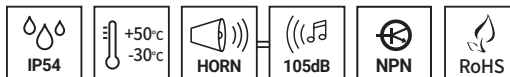


Do not apply a voltage to each signal line. It may cause damage to the product

- NPN transistor(non-External Contact control) can be enabled by using the flashing Common line for the light source.
- Each unit's light source and signal sound do not operate identically even though multiple units are working at the same time.
- Do not short-circuit between steady Common and flash Common. Signal light won't work properly.

Multifunctional Signal/Warning Lights with Electric Horn

S125DML



Multifunctional LED beacon with built-in signal sound

PRODUCT SPECIFICATION

S125DML

Materials Lens-AS, Housing-ABS

Ambient operating temperature -30°C to +50°C

Volume Max.105dB at 1m

Protection rating IP54

Simulated revolving type(LR) flashing rates 120-140RPM

Flashing type(LF) flashing rates 60-80/min

Strobe type(LS) flashing rates 70-80/min

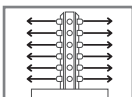
Compliant with RoHS directive

- 125mm outer diameter signal beacon/indicator and electronic horn combined structure to transmit visual and audio signals simultaneously
- Various light sources and tones allow you to select the signal that best suits your working environment
- Models with complex functions of LED steady/flash, strobe and rotation flashing
- Select the desired operation through the switch inside the device
- Easy to maintain and manage by adopting an LED light source that is resistant to shock and vibration and has a long life LED



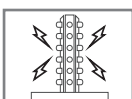
S125DML

Operation



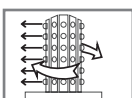
• LED Steady/Flashing

Repeat operation of LED signal light on/off



• LED Strobe

Short LED Steady/ Flashing cycle. Creates a xenon flashing effect by providing maximum electric current



• LED Simulated Revolving

LEDs flash steadily around the cylindrical LED filaments which makes a simulated revolving effect

Manual switch to select operation

ON=1/OFF=0

ON
OFF

1
2

Operate
4 kinds
of function
by dip switches



No.	1	2	Operation
0	0	0	LED Steady
1	0	1	LED flashing
2	1	0	LED Strobe
3	1	1	LED Simulated revolving flashing

S125DML Multifunctional LED beacon with built-in signal sound

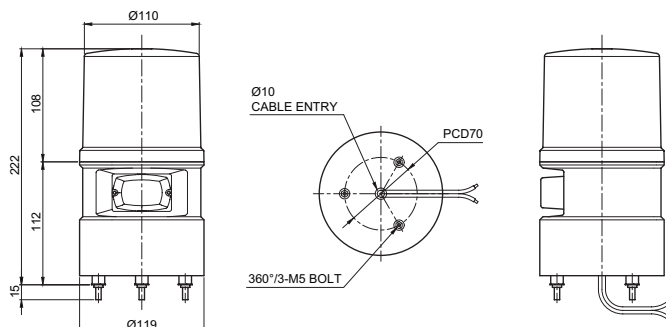
Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
S125DML	DC12-24V	Max. 450mA	·WS-5 Warning sounds: Max.105dB ·WM-5 Melodies: Max.105dB ·WA-5 Alarms: Max.103dB	-	0.88Kg	● R-Red ● A-Amber ● G-Green
	AC110V-220V	Max. 150mA	·WV-5 Customizable sounds: 91-100dB		0.93Kg	● B-Blue

※ Max.built-in volume feature is based on WS-Ch3 / WM-Ch4 / WA-Ch1.

※ In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.

Technical Diagram

Units: mm

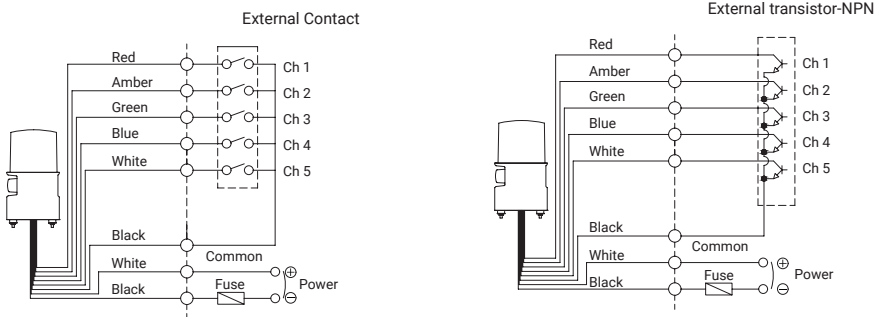


S125DML



Wiring Instructions

·S125DML-DC/AC



Wiring Instructions

- S125DML Series comes with prerecorded sounds.
- For WV(5Customized Sounds)type, Input audio message needs to be provide by the customer prior to manufacturing.
- S125DML model wiring can be done with either External Contact or External transistors.
- In case of wiring by using transistor, NPN transistor is needed and follow the wiring diagram on the right in order to wire properly of polarity.

Ordering Specification

S125DML	-	WA	-	12/24	-	R
[Model number]		[Sounds]		[Voltage]		[Color]
S125DML		WS-Warning WM-Melody WA-Alarm WV-Customizable sound		12/24-DC12V-24V 110/220-AC110V-220V		R-Red A-Amber G-Green B-Blue

Electronic Sounders



Quick reference of volume	P. 148
Technical information	P. 150
References	P. 152
Product specifications	P. 155

Product Volume Quick Reference Guide



Qlight provides a wide range of audible products between 85dB-130dB.
Please take a look at the Product Volume Quick Reference Guide for the sound level of each of our audible products.

					  	130dB
					    	123dB
					    	120dB
       						115-118dB
					 	113dB
						110dB
						108dB
					   	105dB
					  	100dB
     						95-98dB
					   	90dB
						85dB



Air plane - 140dB

130dB Air Horn(SANA Series)

123dB Motor Siren(SM400), Multifunctional Electric Horn(SMP50)
Special Warning Electric Signal Horn(QWH50)
LED Strobe Signal Beacon & Electronic Sounder Combinations (QWCD50)
Explosion Proof Electric Horn(QN-H)

120dB Motor Siren(SM200)
Heavy-Duty Electric Horn(SEHN50, SEWN50L, SEWN50-2T, SEWN50E)



Rock Concert - 120dB

115-118dB Motor Siren(SM40), Heavy Duty Electronic Sounders(SEHN25)
General Electric Horns(SEN25), Explosion Proof Electric Horn(QN)
Multi-Functional Electric Horn(SMP35, QAP125H)
Electronic Sounders with Pre-recorded Special Warning SoundQWH35, QWH35B)
Explosion proof Electric Horn(SPNA)

113dB Heavy Duty Electronic Sounders(SEWN30E)
Full Duplex Heavy-Duty Electric Horn(SHDN30)

110dB Motor Siren(SM30)

108dB Electric Horns(SRN)

105dB Electric Horns(SEN15)
Wall Mount High Sound Buzzer Horn(QAP80BZ, QAP100BZ, QAP125BZ)

100dB Electric Horn(SN, QAP80H)
Multifunctional Electric Hor(QAP100H)



Vehicle Horn - 100-110dB

95-98dB Wall Mounted High Buzzer Horn(S60ADH)
Multifunctional Panel Type Speaker(QMPS)
Lamp Attached Alarm Bell(SAB130, SAB200)
Explosion proof Alarm Bell(SBE130, SBE150)

90dB Signal phone for CAN communication panel(CPK-CAN)
Signal phone for RS485 communication panel(CPK-RS485)
Signal phone for multi-channel panel(CPK-I/O)
Panel Type Speaker(SPK)



Plant/Train - 100dB

85dB



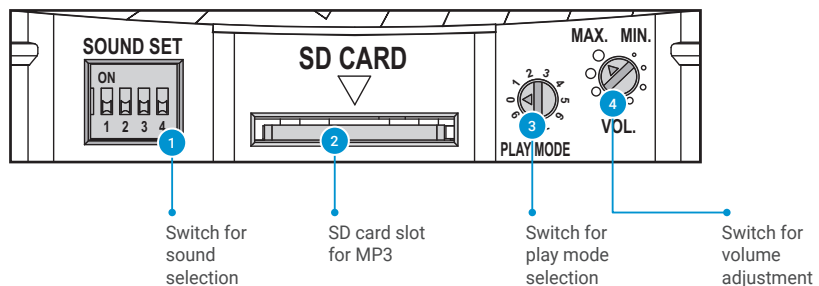
Vacuum Cleaner - 80dB

WHAT IS MULTIFUNCTIONAL ELECTRIC HORN /SPEAKER?

1. Multifunctional electric horn/speaker is a versatile horn which is able to play built-in 30 sound tones as well as MP3 file from SD card.
2. User can designate the sound tone in the SD card through a PC.
3. Among multifunctional products, the built-in sound model (-N) does not support SD card nor play mode.



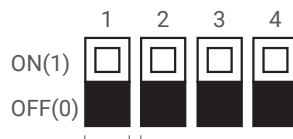
FEATURES



1 Sound setting switch

Sound Selection Instruction for SDcard Type

- SD card type unit
- It can choose both built-in sounds and user defined sounds(MP3) by controlling sound setup switch no. 1.
- Standard unit
- It can choose both Bit input mode and Binary input mode by controlling sound setup switch no. 1.



Sound Selection

- 0: Built-in sound
- 1: SD Card(MP3)

Standard unit(Built-in sound only)

- 0:Bit input(Can choose 5 channels per group)
- 1:Binary(Can choose 30 channels)

Bit input mode selection from 6 groups

- 001: WS(5 Warning sounds)
- 010: WP(5 Special warning sounds 1st group)
- 011: WM(5 Melodies)
- 100: WA(5 Alarms)
- 101: WO(5 Special warning sounds 2nd group)
- 110: WN(5 Special warning sounds 3rd group)

- 30 pre-recorded sounds offered(5 warning sounds, 5 special warning sounds 1st group, 5 melodies, 5 alarms, 5 special warning sounds 2nd group, 5 special warning sounds 3rd group)
- External MP3 sound support(SD card)
- Binary input: 30 channels
- Bit input: 5 channels(6 sound groups)
- A multi-functional product that can use an SD card for MP3 playback
- Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting.

2 SD cards

- The SD card is a compact flash memory card for storing MP3 files.
- After saving the MP3 files in the SD card with the specified format, insert the card into the SD card slot and switch the sound
- setting switch to ON(1) so the sounds can be played from the SD card.

3 PLAY MODE setting switch

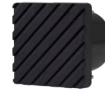
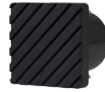
- Play mode setting switch allows the user to chose the proper channel input method and playback mode. Please refer to the table below for a description of each setting switch features.
- Switch No.0 and No.9. are not used.

1	Bit Input Mode	5 sounds can be played from the selected group. (can choose 1 group among 6 groups) Play message one time and quit.(In case of Consecutive signal or pulse signal)
2	Binary Input Mode	Up to 31 sounds available for each model. Plays sound only once. (consecutive signal only)
3	Bit Input Hold Playback Mode	5 sounds can be played from the selected group. (can choose 1 group among 6 groups) The sound is repeated if the input signal is maintained.(Consecutive signal only) Sound will be STSpend the STOP signal, otherwise the message is played repeatedly.
4	Binary Input Hold Playback Mode	Up to 31 sounds available for each model The sound is repeated if the input signal is maintained. (consecutive signal only) Sound will be STSpend the STOP signal, otherwise the message is played repeatedly.
5	Bit Input Sound Reduction Mode	5 sounds can be played from the selected group. (can choose 1 group among 6 groups) Volume reduction signal line is able to decrease the volume by as much as 15dB. (can reduce input volume as well)
6	Binary Input Sound Reduction Mode	Up to 31 sounds available for each model Volume reduction signal line is able to decrease the volume by as much as 15dB. (can reduce input volume as well)
7	Bit Input Sequence Memory Playback Mode	5 sounds can be played from the selected group. (Can choose 1 group among 6 groups) Playback around 3 seconds for each sound in accordance with the sequence of input. Final input channel is fully played.(Bit input Mode ONLY)
8	Test Mode	In test mode, Ch1 of group is automatically played back repeatedly. Change to other modes in order to quit the test mode.

4 VOLUME

- Volume is adjustable with the sound dial included.

Reference for Electric Horn, Speaker, Motor Siren, Buzzer Horn/Bell



Model number	SPK (SPK-N)	CPK-CAN	CPK-IO	CPK-RS485	QMPS (QMPS-N)	SAB130	SAB200
Voltage	DC12V, DC24V AC110V, AC220V	DC12V-24V	DC12V-24V	DC12V-24V	DC12V-24V AC110V-220V	DC24V AC110V, AC220V	DC24V AC110V, AC220V
Dimension (mm)	Outdia	80 x 80	80 x 80	80 x 80	120 x 120	Ø130(Bell)	Ø200(Bell)
	Height	-	-	-	-	238	269
	Depth	75	75	75	68	107	107
Materials	ABS	ABS	ABS	ABS	ABS	Bell-Steel Housing-ABS	Bell-Steel Housing-ABS
Sound & Volume	1 Tone Buzzer	-	-	-	-	-	-
	5 Signal Sounds	Max.90dB at 1m	-	-	-	-	-
	Bell	-	-	-	-	Max.95dB at 1m	Max.95dB at 1m
	30 Signal Sounds	-	-	-	Max.95dB at 1m	-	-
	MP3	-	Max.90dB at 1m	Max.90dB at 1m	Max.90dB at 1m	-	-
Mounting structure	Panel mount	Panel mount	Panel mount	Panel mount	Panel mount	Wall mount	Wall mount
Cable entry	-	-	-	-	-	Ø20	Ø20
Protection rating	IP23	IP65	IP65	IP65	IP54	IP44	IP44
Mounting location	Indoor Use	Indoor/Outdoor Use	Indoor/Outdoor Use	Indoor/Outdoor Use	Indoor Use	Indoor Use	Indoor Use
Mounting direction	Horizontal, Reverse vertical	Horizontal, Reverse vertical	Horizontal, Reverse vertical	Horizontal, Reverse vertical	Horizontal, Reverse vertical	Vertical, Horizontal	Vertical, Horizontal
Certificates	CE	CE	CE	CE	CE, UL	CE	CE
Customization	-	-	-	-	-	Cable entry 2EA	Cable entry 2EA
Transistor	NPN type	NPN type	NPN or PNP type	NPN or PNP type	NPN or PNP type	-	-
Page	P155	P156	P157	P158	P160-162	P159	P159



Model number	QAP80H	QAP80BZ	QAP100H (QAP100H-N)	QAP100BZ	QAP125H (QAP125H-N)	QAP125BZ	S60ADH
Voltage	DC12V-24V	DC12V, DC24V	DC12V-24V AC110V-220V	DC12V, DC24V AC110V-220V	DC12V-24V AC110V-220V	DC12V, DC24V AC110V-220V	DC12V, DC24V AC110V, AC220V
Dimension (mm)	Outdia	Ø83	Ø97	Ø97	Ø116	Ø116	Ø75
	Height	129	137	137	149	149	158
	Depth	-	-	-	-	-	86
Materials	ABS	ABS	ABS	ABS	ABS	ABS	ABS
Sound & Volume	1 Tone Buzzer	-	Max.105dB at 1m	-	Max.105dB at 1m	Max.105dB at 1m	Max.95dB at 1m
	30 Signal Sounds	Max.100dB at 1m	-	Max.100dB at 1m	-	Max.115dB at 1m	-
	MP3	-	Max.95dB at 1m	-	Max.100dB at 1m	-	-
Mounting structure	Wall mount	Wall mount	Wall mount	Wall mount	Wall mount	Wall mount	Wall mount
Cable entry	Ø10	Ø10	Ø10	Ø10	Ø10	Ø10	-
Protection rating	IP65	IP65	IP65	IP65	IP65	IP65	IP54
Mounting location	Indoor/Outdoor Use	Indoor/Outdoor Use	Indoor/Outdoor Use	Indoor/Outdoor Use	Indoor/Outdoor Use	Indoor/Outdoor Use	Indoor Use
Mounting direction	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical
Certificates	CE	CE	CE	CE	CE	CE	CE
Customization	-	-	-	-	-	-	-
Transistor	NPN type	-	NPN type	-	NPN type	-	-
Page	P163-166	P167-168	P163-166	P167-168	P163-166	P167-168	P169

Reference for Electric Horn, Speaker, Motor Siren, Buzzer Horn/Bell



Model number	SRN	SEN15	SEN25	SMP35 (SMP35-N)	SMP50 (SMP50-N)
Voltage	DC12V-24V AC110V, AC220V	DC12V-24V AC110V, AC220V	DC12V, 24V AC110V, AC220V	DC12V-24V AC110V-220V	DC12V-24V AC110V-220V
Dimension (mm)	Outdia	Ø125	130	130	145 x 177
	Height				145 x 177
	Depth	186	200	200	219
Materials	ABS	ABS	ABS	ABS	ABS
Sound & Volume	5 Signal Sounds	Max.108dB at 1m	Max.105dB at 1m	Max.115dB at 1m	-
	Voice	95-102dB at 1m	94-101dB at 1m	102-115dB at 1m	-
	30 Signal Sounds	-	-	-	Max.115dB at 1m
	MP3	-	-	-	Max.123dB at 1m
	Other Sound	-	-	-	-
Mounting structure	Self stand	Self stand	Self stand	Self stand	Self stand
Cable entry	Ø10	Ø10	Ø10	Ø16	Ø16
Protection rating	IP55	IP55	IP55	IP65	IP65
Mounting location	Indoor Use	Indoor Use	Indoor Use	Indoor/Outdoor Use	Indoor/Outdoor Use
Mounting direction	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical
Certificates	CE	CE	CE	CE	CE
Customization	External sound pattern signal line	External sound pattern signal line	External sound pattern signal line	External sound pattern signal line	External sound pattern signal line
Transistor	NPN type	NPN type	NPN type	NPN type	NPN type
Page	P172-173	P172-173	P172-173	P170-171	P170-171



Model number	QWH35 (QWH35B)	QWH50	QWH35T (QWH35BT)	QWH50T	
Voltage	DC12V-24V AC110V-220V (buzzer type: DC12V, DC24V AC110V-220V)	DC12V-24V AC110V-220V	DC12V-24V AC110V-220V (buzzer type: DC12V, DC24V AC110V-220V)	DC12V-24V AC110V-220V	
Dimension (mm)	Outdia	□136 x 179	□168 x 222	□196 x 179	
	Height			□229 x 222	
	Depth	128	163	126	
	Materials	Horn-PC+ABS Housing-PC+ABS	Horn-PC+ABS Housing-PC+ABS	Horn-PC+ABS Housing-PC+ABS	
Sound & Volume	High volume buzzer	Max.115dB at 1m		Max.115dB at 1m	
	30 Signal Sounds				
	31 Signal Sounds	Max.115dB at 1m	Max.123dB at 1m	Max.115dB at 1m	Max.123dB at 1m
	MP3	Max.112dB at 1m	Max.115dB at 1m	Max.112dB at 1m	Max.115dB at 1m
Mounting structure	Wall mount	Wall mount	Wall mount	Wall mount	
Caple entry	M20	M20	M20	M20	
Protection rating	IP66	IP66	IP66	IP66	
Mounting location	Indoor/Outdoor Use	Indoor/Outdoor Use	Indoor/Outdoor Use	Indoor/Outdoor Use	
Mounting direction	Horizontal, Reverse vertical	Horizontal, Reverse vertical	Horizontal, Reverse vertical	Horizontal, Reverse vertical	
Certificates	CE, UL	CE, UL	CE, UL	CE, UL	
Customization	External signal line, CAN communication type, Cold resistance type	External signal line, Cold resistance type	External signal line, CAN communication type, Cold resistance type	External signal line, Cold resistance type	
Transistor	NPN type	NPN type	NPN type	NPN type	
Page	P174-179	P174-179	P174-179	P174-179	

Reference for Electric Horn, Speaker, Motor Siren, Buzzer Horn/Bell



Model number	SN	SEHN25	SEHN50
Voltage	DC12V-24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V
Outdia	Ø119(Horn)	Ø158(Horn)	Ø167(Horn)
Dimension (mm)	Height		
	Length	167	242
	Materials	Housing-Steel	Housing-Steel
Sound & Volume	5 Signal Sounds	Max.100dB at 1m	Max.115dB at 1m
	Voice	92-96dB at 1m	108-112dB at 1m
	Other Sound		
Mounting structure	Self stand	Self stand	Self stand
Cable entry	Ø10	Ø21	Ø21
Protection rating	IP55	IP55	IP55
Mounting location	Indoor Use	Indoor Use	Indoor Use
Mounting direction	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical
Certificates	CE	-	-
Customization	External sound pattern signal line	External sound pattern signal line	External sound pattern signal line
Transistor	NPN type	NPN type	NPN type
Page	P180-181	P180-181	P180-181



Model number	SM30	SM40	SM200	SM400
Voltage	DC12V, DC24V AC110V, AC220V	DC12V, DC24V AC110V, AC220V	DC24V AC110V, AC220V	DC24V AC110V, AC220V
Outdia	Ø77	Ø128	Ø143	Ø165
Dimension (mm)	Height	-	-	-
	Length	162	231	284
	Materials	Housing-Steel	Housing-Steel	Housing-Steel
Volume	Max.110dB at 1m	Max.116dB at 1m	Max.120dB at 1m	Max.123dB at 1m
Mounting structure	Self stand	Self stand	Self stand	Self stand
Cable entry	Ø9	Ø22	Ø9	Ø22
Protection rating	-	-	-	-
Mounting location	Indoor Use	Indoor Use	Indoor Use	Indoor Use
Mounting direction	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical	Vertical, Horizontal, Reverse vertical
Certificates	-	-	CE	-
Customization	-	-	-	-
Page	P182	P182	P183	P183

Panel Mounted Speaker

SPK / SPK-N



PRODUCT SPECIFICATION

SPK | SPK-N

Materials Housing-ABS, Cover-ABS
Ambient operating temperature -25°C to +50°C
Volume Max.90dB at 1m
Protection rating IP23
Compliant with RoHS directive

- Panel mounted speaker that plays 8 clear and periodic sound tones
- General compatibility by adopting general equipment(62×62mm) mount holes
- Allowing volume control without dismantling the device
- Various sound patterns such as warning sound, melodies, and alarms can be chosen depending on the message use case
- Wiring terminal on the back side of the product



SPK I SPK-N

SPK Panel Mounted Speaker, Max.90dB

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight
SPK	DC12V	290mA	· WS-5 Warnings: Max.90dB · WM-5 Melodies: Max.90dB · WA-5 Alarms: Max.90dB	CE	0.19kg
	DC24V	200mA			
	AC110V	35mA			
	AC220V	20mA			0.21kg

※ CE compliant: DC24V

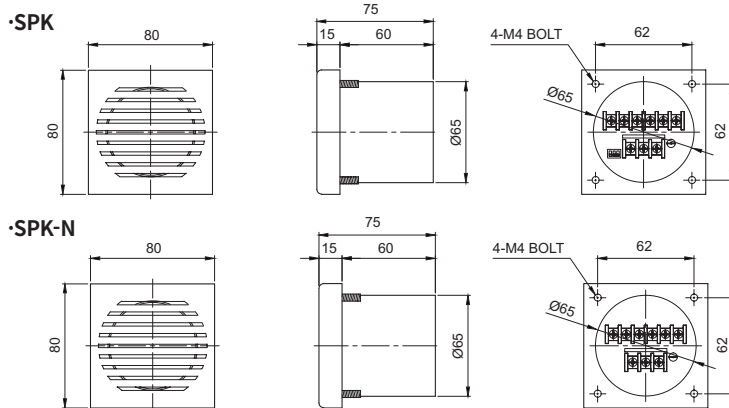
※ Max.built-in volume feature is based on WS-Ch1 / WM-Ch4 / WA-Ch4.

SPK-N Panel Mounted Speaker, Max.90dB

Model number	Voltage	Current	Volume	Certificates	Weight
SPK-N	DC12V	250mA	Max.90dB	CE	0.19kg
	DC24V	130mA			
	AC110V	65mA			
	AC220V	45mA			0.21kg

Technical Diagram

Units: mm



Ordering Specification

•SPK	SPK [Model number] SPK	-	WM [Sounds] WS-Warning WM-Melody WA-Alarm	-	220 [Voltage] 12-DC12V 24-DC24V 110-AC110V 220-AC220V
•SPK-N	SPK-N [Model number] SPK-N	-		-	220 [Voltage] 12-DC12V 24-DC24V 110-AC110V 220-AC220V



Terminal block for power and sound (back side, SPK)



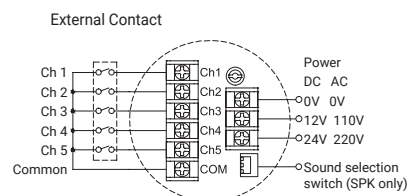
Terminal block for power only (back side, SPK-N)

Customization

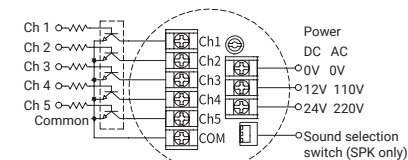
- Optional 8 harmonies (standard unit has a single harmony)

Wiring Instructions

•SPK-DC/AC, SPK-N-DC/AC



External transistor-NPN





CPK-CAN

PRODUCT SPECIFICATION

CPK-CAN

Materials ABS

Ambient operating temperature -25°C to +50°C

Protection rating IP65

Volume Max.90dB at 1m

Compliant with RoHS directive

- Panel type signal phone that outputs clear and cheerful 8-48Khz MP3 Audio harmony by applying industrial CAN communication
- Up to 255ea of frame IDs can be set by software manager
- Can select and play 255 songs using CAN communication
- Save MP3 sound source using USB C-TYPE cable
- Supports 128Mbyte storage capacity (File format: FAT)
- Supports CAN communication standard format 2.0A, Extended format 2.0B
- Supports 4 communication speeds: 125Kbps, 250Kbps, 500Kbps, 1Mbps

CPK-CAN Signal phone for CAN communication, Max.90dB

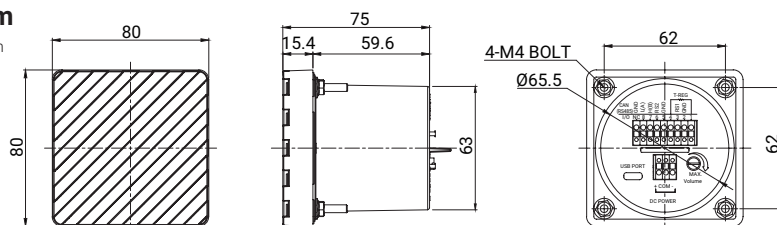
Model number	Sound type	Volume	Voltage	Current	Certificates	Weight
CPK-CAN	MP3 File (255 Sounds)	Max.90dB	DC12V-24V	Max. 600mA	CE	0.21kg

※ DC type model has a free-voltage range of 10V-36V

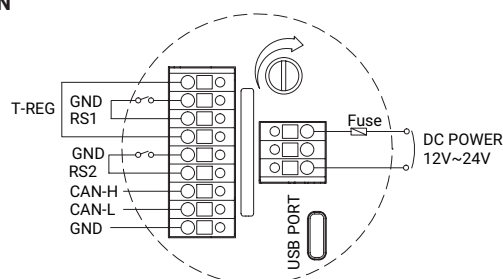
※ When playing MP3 files, there may be difference of volume depending on user's audio file type.

Technical Diagram

Units: mm



Wiring Instructions



Ordering Specification

CPK-CAN	-	12/24	-	2.0A
[Model number]		[Voltage]		[CAN]
CPK-CAN		12/24-DC12V-24V		2.0A-CAN 2.0A(standard format) 2.0B-CAN 2.0B(Extended format)

Panel mounted Speaker for Multi-channel

CPK-10



PRODUCT SPECIFICATION

CPK-10

Materials ABS

Ambient operating temperature -25°C to +50°C

Protection rating IP65

Volume Max.90dB at 1m

Compliant with RoHS directive

- Panel type signal phone that outputs clear and cheerful 8-48Khz MP3 Audio chords using IO input
- Compatible with NPN and PNP depending on the connection method by using the terminal block for connection on the back of the product
- Plays 255ea of MP3 files with binary input method
- Save MP3 sound source using USB C-TYPE cable



CPK-10

CPK-10 Signal phone for multi-channel, Max.90dB

Model number	Sound type	Volume	Voltage	Current	Certificates	Weight
CPK-10	MP3 File (255 Sounds)	Max.90dB	DC12V-24V	Max. 600mA	CE	0.21kg

※ DC type model has a free-voltage range of 10V-36V

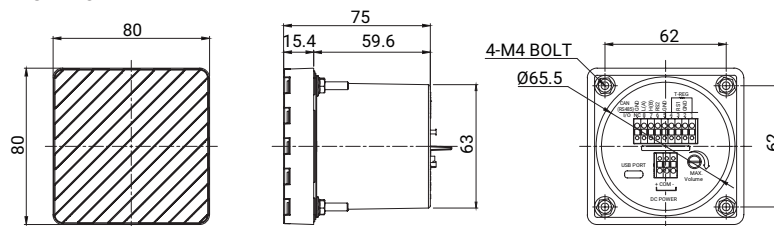
※ When playing MP3 files, there may be difference of volume depending on user's audio file type.



Terminal box for wiring of power and IO communication cable(back side)

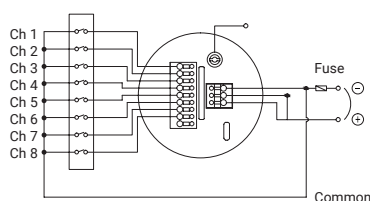
Technical Diagram

Units: mm

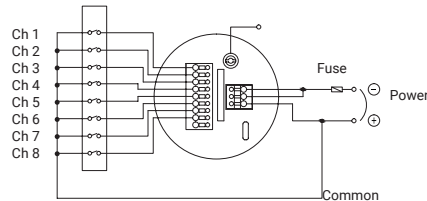


Wiring Instructions

·CPK-10 "-"External Contact

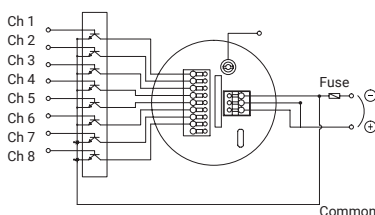


·CPK-10 "+"External Contact

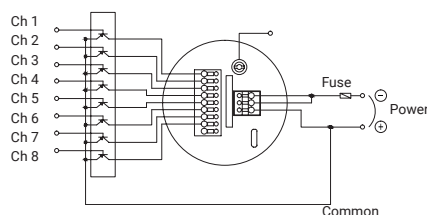


·External transistor

NPN-TRANSISTOR



PNP-TRANSISTOR



Ordering Specification

CPK-10	-	12/24
[Model number]		[Voltage]
CPK-10		12/24-DC12V-24V

CPK-RS485



CPK-RS485

PRODUCT SPECIFICATION

CPK-RS485

Materials ABS

Ambient operating temperature -25°C to +50°C

Volume Max.90dB at 1m

Protection rating IP65

Compliant with RoHS directive

- Panel type signal phone that outputs clear and cheerful 8-48Khz MP3 Audio harmony by applying industrial RS485 communication
- Up to 255ea of frame IDs can be set by software manager
- Can select and play 255 songs using RS485 communication
- Save MP3 sound source using USB C-TYPE cable
- Supports 128Mbyte storage capacity (File format: FAT)
- Supports 4 communication speeds: 9600bps, 19200bps, 38400bps, 115200bps

CPK-RS485 Signal phone for RS485 communication, Max.90dB

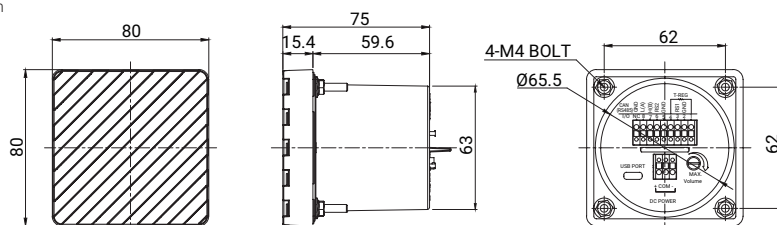
Model number	Sound type	Volume	Voltage	Current	Certificates	Weight
CPK-RS485	MP3 File (255 Sounds)	Max.90dB	DC12V-24V	Max. 600mA	CE	0.21kg

※ DC type model has a free-voltage range of 10V-36V

※ When playing MP3 files, there may be difference of volume depending on user's audio file type.

Technical Diagram

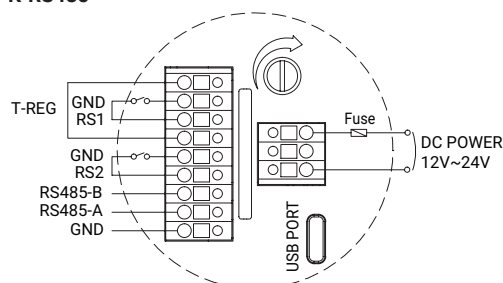
Units: mm



Terminal box for wiring of power and RS485 communication cable(back side)

Wiring Instructions

·CPK-RS485



Ordering Specification

CPK-RS485	-	12/24
[Model number]		[Voltage]
CPK-RS485		12/24-DC12V-24V

Alarm Bells with Lamp for Vessels and Heavy Industrial Applications

SAB Series



SAB130-Bell housing Ø130mm, SAB200-Bell housing Ø200mm

PRODUCT SPECIFICATION

SAB130 | SAB200

Materials Bell-Steel, Housing-ABS
Ambient operating temperature -25°C to +50°C
Protection rating IP44
Standard color Housing-beige, Bell/Lamp-Red
Cable entry Ø20

- Electric solenoid bell system provides excellent durability to vibration and shock for vessels and large facilities
- Special material for bell housing provides clear and crisp alarm sound
- Easy wiring and maintenance with terminal box attached
- Lamp attached provides visual signals
- Bell and lamp operation is synchronized.



SAB130
(Max.95dB)

SAB130 / SAB200 Alarm Bells with Lamp for Vessels and Heavy Industrial Applications , Max.95dB

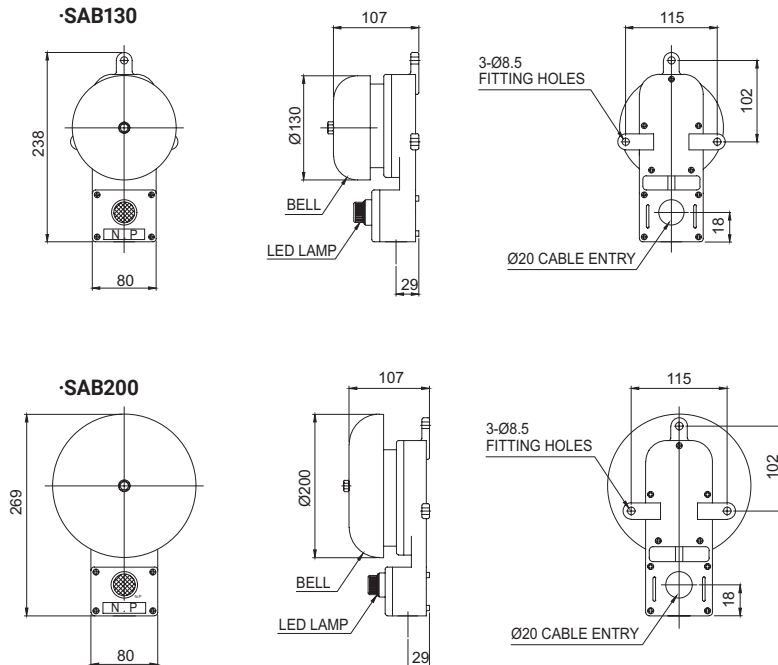
Model number	Frequency	Volume	Bell diameter	Voltage	Current	Certificates	Weight	Color
SAB130	400	Max.95dB	130mm	DC24V	1.3A	CE	1.88kg	● R-Red
SAB200	-600Hz		200mm	AC110V	380mA		2.00kg	
				AC220V	300mA			



SAB200
(Max.95dB)

Technical Diagram

Units: mm



Ordering Specification

SAB200	-	110	-	CG
[Model number]		[Voltage]		[Cable gland]
SAB130 SAB200		24-DC24V 110-AC110V 220-AC220V		None-Back wiring type CG-Built-in cable gland type

Customization

- Two way cable entries with PG19

Panel Mounted Multi-Functional Speaker

QMPS / QMPS-N

Both built-in sounds and option for external sound input via SD card (MP3) have 30 built-in sounds
Able to avoid signal confusion with a variety of tone options



QMPS I QMPS-N

- **QMPS(MP3)**
 - User defined 30 sounds
 - 30 built-in sounds
- **QMPS-N(standard unit)**
 - 30 built-in sounds

PRODUCT SPECIFICATION

QMPS I QMPS-N

Materials Housing-ABS, Cover-ABS

Ambient operating temperature -25°C to +50°C

Volume Max.95dB at 1m

Protection rating IP54

Compliant with RoHS directive

- Can prevent cross talk of different voice environments by selecting an audio signal fit for the specific environment and condition
- Offers both Binary and Bit input mode options with 30 pre-recorded sounds
- Binary input mode has built-in 30 messages that can be played with switch for sound selection
- Bit input mode is organized into 6 groups of 5 sound tones for a total of 30 sound tone options. Playback can be selected from one of the 5 tones in each group (MP3 file with bit input mode)
- Volume adjustment and sound selection switches located inside the unit
- SD card type can play MP3 voice message, user can select and change the sound message after record it
- Customer can choose any built-in sounds among 30 sound tons in case of a standard unit.

User-defined sound(MP3)

- **User-defined sound(MP3) type**

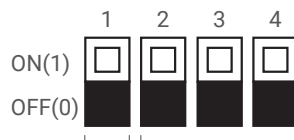


Customer can create a playlist and grouping conveniently through PC. Product supports up to 32Gbyte.

- Use standard SD card.
- Mini SD or Micro SD also can be used with adaptor.
- SD, SDHC type supported
- Storage capacity : Max.32GB
- The SD card speed is compatible with the following classes: C2, C4, C6, V6, C10, U1, V6, and V10.
- ※ The maximum speed supported is 10MB/s.

Sound Selection Instruction for SDcard Type

- SD card type unit
- It can choose both built-in sounds and user defined sounds(MP3) by controlling sound setup switch no. 1.
- Standard unit
- It can choose both Bit input mode and Binary input mode by controlling sound setup switch no. 1.



Sound Selection

- 0: Built-in sound
- 1: SD Card(MP3)

Standard unit(Built-in sound only)

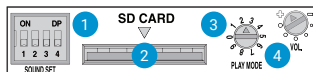
- 0:Bit input(Can choose 5 channels per group)
- 1:Binary(Can choose 30 channels)

Bit input mode selection from 6 groups

- 001: WS(5 Warning sounds)
- 010: WP(5 Special warning sounds 1st group)
- 011: WM(5 Melodies)
- 100: WA(5 Alarms)
- 101: WO(5 Special warning sounds 2nd group)
- 110: WN(5 Special warning sounds 3rd group)

Function setting

- Standard unit does not support either SD card or Play mode.



- 1 Switch for Sound selection
- 2 SD card slot for MP3
- 3 Switch for play Mode selection
- 4 Switch for Volume adjustment

Features per model

	QMPS(MP3)	QMPS-N(standard unit)	Column
Support SD card(MP3)	O	X	
Support 30 built-in sounds	O	O	
Play mode	O	X	
Bit/Binary input	O	O	Please refer to sound setup switch manual



QMPS Panel Mounted Speaker, Max.95dB

Model number	Voltage	Current	Volume	Input Method /No. of Ch	Certificates	Weight
QMPS SD card	DC12V -24V	Max. 570mA	· SD card · Built-in sound: Max.95dB (Based on Ch17)	· Bit Input: 5Ch · Binary Input: 30Ch	 	0.35kg
	AC110V -220V	Max. 115mA	· MP3: Max.90dB			0.53kg

※ When playing MP3 files, there may be difference of volume depending on user's audio file type.

※ DC type model has a free-voltage range of 10V-30V.

※ AC type model has a free-voltage range of 100V-240V.

※ CE compliant: DC12V-24V, UL Listed: DC12V-24V

QMPS-N Panel Mounted Speaker, Max.95dB

Model number	Voltage	Current	Volume	Input Method /No. of Ch	Certificates	Weight
QMPS-N Built-in standard sound	DC12V -24V	Max. 380mA	· Built-in standard sound · Built-in sound: Max.95dB (Based on Ch17)	· Bit Input: 5Ch · Binary Input: 30Ch		0.35kg
	AC110V -220V	Max. 130mA				0.53kg

※ DC type model has a free-voltage range of 10V-30V.

※ AC type model has a free-voltage range of 100V-240V.

※ CE compliant: DC12V-24V



QMPS



QMPS-N

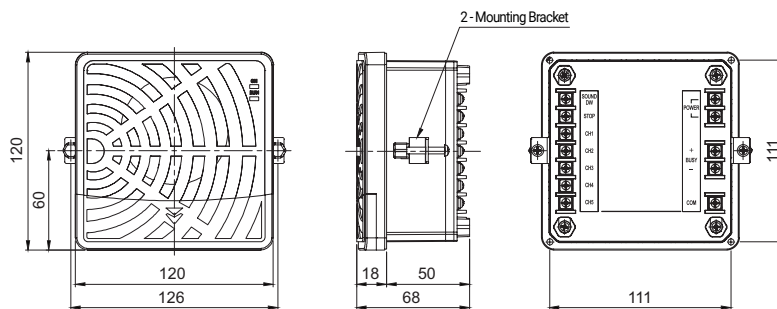


Terminal block for power and sound(back side)

Technical Diagram

Units: mm

·QMPS / QMPS-N



Ordering Specification

·QMPS

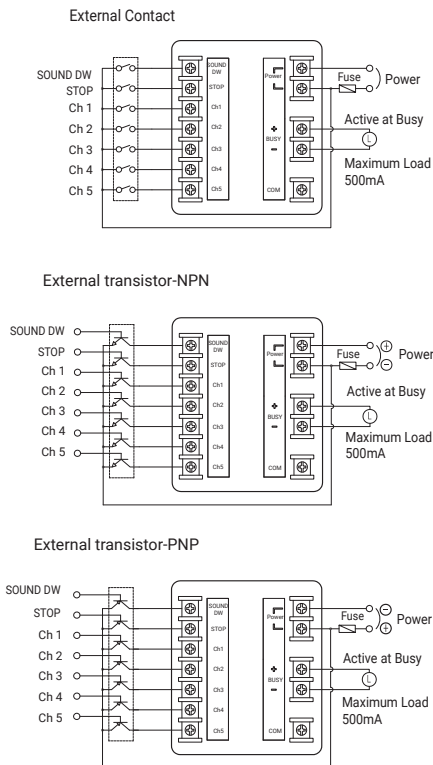
QMPS	-	12/24	-	INS
[Model number]		[Voltage]		[Including SD card]
QMPS		12/24-DC12V-24V 110/220-AC110V-220V		None-Without SD card INS-Including SD card

·QMPS-N

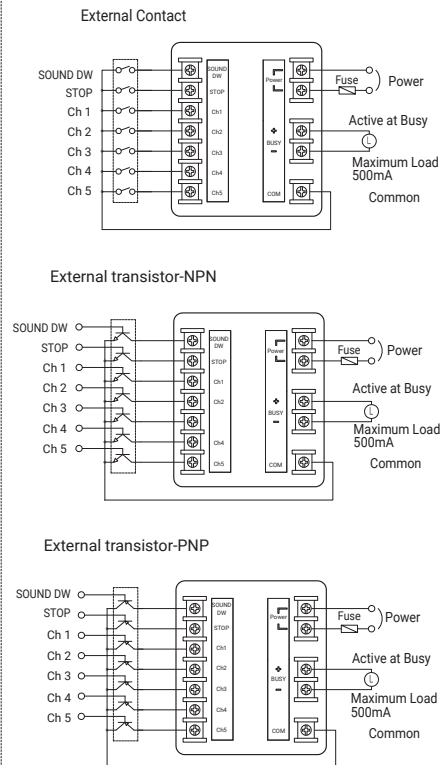
QMPS	-	12/24
[Model number]		[Voltage]
QMPS-N		12/24-DC12V-24V 110/220-AC110V-220V

Wiring Instructions

·QMPS-DC



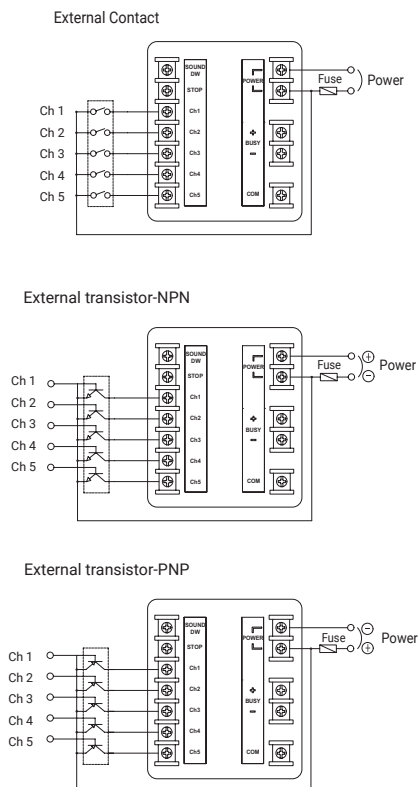
·QMPS-AC



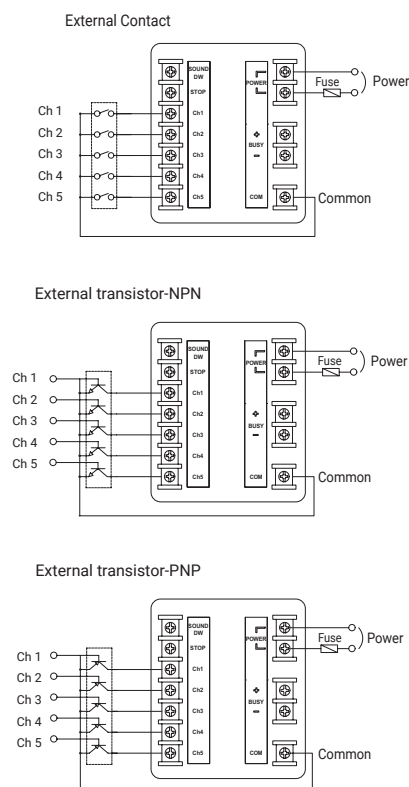
· In case of Bit input, 5 sound tones can be played. For Binary input, 30 sound tones can be played.

※ Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting(Wiring instruction is replaced to channel selection switch)

·QMPS-N-DC



·QMPS-N-AC



· In case of Bit input, 5 sound tones can be played. For Binary input, 30 sound tones can be played.

QAP Series

Wall mount multifunctional electric horn which supports 30 built-in sounds and 30 user defined sounds(MP3)



- **QAP100H / QAP125H(MP3)**
 - User defined 30 sounds,
 - 30 built-in sounds
- **QAP100H-N / QAP125H-N (standard unit)**
 - 30 built-in sounds

PRODUCT SPECIFICATION

QAP80H | QAP100H | QAP125H
QAP100H-N | QAP125H-N

Materials Housing-ABS, Resonance chamber-ABS

Ambient operating temperature -25°C to +50°C

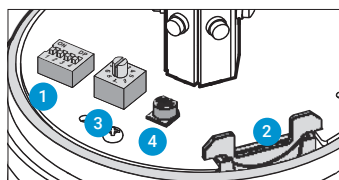
Protection rating IP65

Compliant with RoHS directive

- Signal sound diffusing structure with wall mount supports 30 Built-in sounds and 30 user defined sounds
- Volume control and tone selector switches are installed inside the unit (Buzzer type is unsupported)
- User has the ability to enter voice tones directly into the unit via MP3 files from the SD card
- This product has 30 Built-in sounds via binary input mode or bit input mode
- Binary input mode allows the user to select from 30 different sound options with the tone selection switch
- Bit input mode is organized into 6 groups of 5 sound tones for a total of 30 sound tone options. Playback can be selected from one of the 5 tones in each group (MP3 file with bit input mode)
- Supports both SD card and MP3(QAP100H/QAP125H)
- Standard unit choose built-in sound only. It can choose 30 sounds in accordance with the customer's needs.

Function setting for multifunctional product

- Standard unit does not support either SD card or Play mode.



- 1 Sound setup switch
- 2 SD Card for MP3 play
- 3 Play mode set up switch
- 4 Volume

User-defined sound(MP3)

- **User-defined sound(MP3) type**

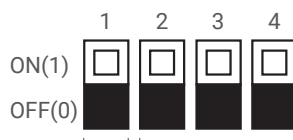


Customer can create a playlist and grouping conveniently through PC. Product supports up to 32Gbyte.

- Use standard SD card.
- Mini SD or Micro SD also can be used with adaptor.
- SD, SDHC type supported
- Storage capacity : Max.32GB
- The SD card speed is compatible with the following classes: C2, C4, C6, V6, C10, U1, V6, and V10.
- ※ The maximum speed supported is 10MB/s.

Sound Selection Instruction for SDcard Type

- SD card type unit
- It can choose both built-in sounds and user defined sounds(MP3) by controlling sound setup switch no. 1.
- Standard unit
- It can choose both Bit input mode and Binary input mode by controlling sound setup switch no. 1.



Sound Selection

- 0: Built-in sound
- 1: SD Card(MP3)

Standard unit(Built-in sound only)

- 0:Bit input(Can choose 5 channels per group)
- 1:Binary(Can choose 30 channels)

Bit input mode selection from 6 groups

- 001: WS(5 Warning sounds)
- 010: WP(5 Special warning sounds 1st group)
- 011: WM(5 Melodies)
- 100: WA(5 Alarms)
- 101: WO(5 Special warning sounds 2nd group)
- 110: WN(5 Special warning sounds 3rd group)

- 30 pre-recorded sounds offered(5 warning sounds, 5 special warning sounds 1st group, 5 melodies, 5 alarms, 5 special warning sounds 2nd group, 5 special warning sounds 3rd group)
- External MP3 sound support(SD card)
- Binary input: 30 channels
- Bit input: 5 channels(6 sound groups)
- A multi-functional product that can use an SD card for MP3 playback
- Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting.

Features per model

	QAP100H / QAP125H(MP3)	QAP80H / QAP100H-N QAP125H-N(standard unit)	Column
Support SD card(MP3)	O	X	
Support 30 built-in sounds	O	O	
Play mode	O	X	
Bit/Binary input	O	O	Please refer to sound setup switch manual

QAP Series



QAP80H

QAP80H Electric Horn, Wall Mount Type

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight
QAP80H	DC12V-24V	Max.850mA	· Bit Input: 5Ch · Binary Input: 30Ch · Built-in volume : Max.100dB (Based on WM-Ch4)	CE	0.51kg

※ DC type model has a free-voltage range of 10V-30V.

QAP100H Electric Horn, Wall Mount Type

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight
QAP100H	DC12V-24V	Max.850mA	· Bit Input: 5Ch · Binary Input: 30Ch · Built-in volume : Max.100dB (Based on WA-Ch4)	CE	0.60kg
	AC110-220V	Max.175mA	· MP3: Max.95dB		0.63kg

※ DC type model has a free-voltage range of 10V-30V.

※ AC type model has a free-voltage range of 100V-240V.

※ Please refer to [Sound tone and combination for standard product] on this catalogue for detailed sound tone specification

※ When playing MP3 files, there may be difference of volume depending on user's audio file type.

QAP125H Electric Horn, Wall Mount Type

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight
QAP125H	DC12V-24V	Max.1A	· Bit Input: 5Ch · Binary Input: 30Ch · Built-in volume : Max.115dB (Based on WA-Ch4)	CE	0.70kg
	AC110-220V	Max.190mA	· MP3: Max.100dB		0.73kg

※ DC type model has a free-voltage range of 10V-30V.

※ AC type model has a free-voltage range of 100V-240V.

※ Please refer to [Sound tone and combination for standard product] on this catalogue for detailed sound tone specification

※ When playing MP3 files, there may be difference of volume depending on user's audio file type.

Ordering Specification

QAP80H	-	12/24	-	INSD
[Model number]		[Voltage]		[Including SD card]
QAP80H		12/24-DC12V-24V		
QAP100H		12/24-DC12V-24V		None-Without SD card
QAP125H		110/220-AC110V-220V		INSD-Including SD card



QAP100H-N Electric Horn, Wall Mount Type

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight
QAP100H-N	DC12V-24V	Max.850mA	· Bit Input: 5Ch · Binary Input: 30Ch · Built-in volume : Max.100dB (Based on WA-Ch4)	CE	0.60kg
	AC110-220V	Max.175mA			0.63kg

※ DC type model has a free-voltage range of 10V-30V.

※ AC type model has a free-voltage range of 100V-240V.



QAP100H / QAP100H-N

QAP125H-N Electric Horn, Wall Mount Type

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight
QAP125H-N	DC12V-24V	Max.1A	· Bit Input: 5Ch · Binary Input: 30Ch · Built-in volume : Max.115dB (Based on WA-Ch4)	CE	0.70kg
	AC110-220V	Max.190mA			0.73kg

※ DC type model has a free-voltage range of 10V-30V.

※ AC type model has a free-voltage range of 100V-240V.

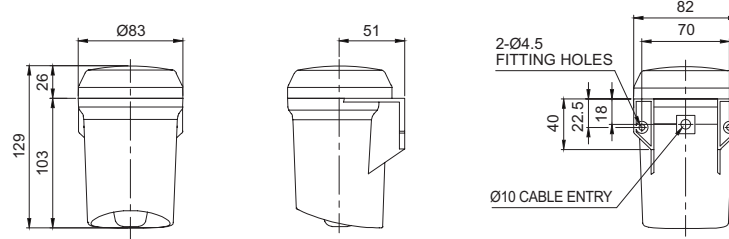
Ordering Specification

QAP100H-N	-	12/24
[Model number] QAP100H-N QAP125H-N		[Voltage] 12/24-DC12V-24V 110/220-AC110V-220V

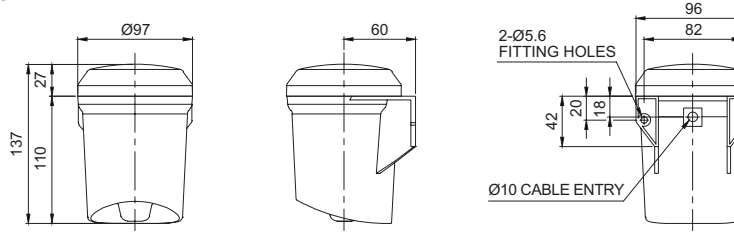
Technical Diagram

Units: mm

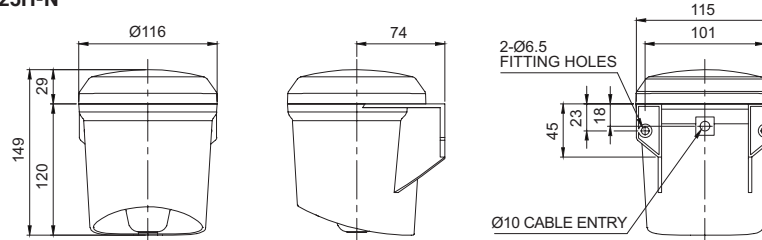
·QAP80H



·QAP100H / QAP100H-N

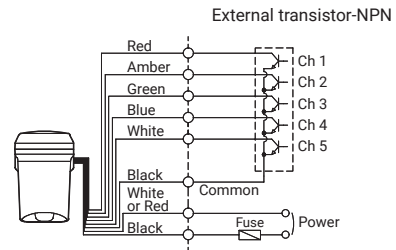
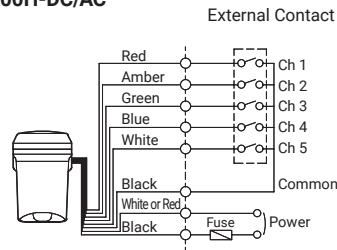


·QAP125H / QAP125H-N

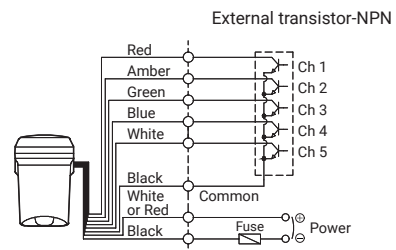
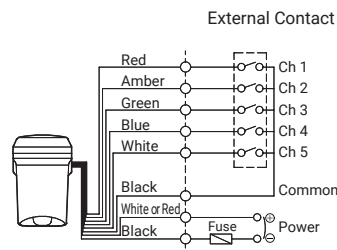


Wiring Instructions

·QAP80H-DC / QAP100H-DC/AC ·QAP100H-N-DC/AC



·QAP125H-DC/AC ·QAP125H-N-DC/AC



- External Power line - UL1015 AWG18(0.75sq) x 2C 400mm
- External signal line - UL1007 AWG22(0.3sq) 400mm
- QAP80H / QAP100H - This product can be wired regardless of polarity.
- QAP125H - Black output line is negative(-).
- In case of Bit input, 5 sound tones can be played. For Binary input, 30 sound tones can be played.
- ※ Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting(Wiring instruction is replaced to channel selection switch)



PRODUCT SPECIFICATION

QAP80BZ | QAP100BZ
QAP125BZ

Materials Housing-ABS, Resonance chamber-ABS

Ambient operating temperature -25°C to +50°C

Protection rating IP65

Compliant with RoHS directive

- Signal sound diffusing structure with wall mount supports 30 Built-in sounds and 30 user defined sounds
- Buzzer type siren horn supports Max.105dB- Suitable for applications that require downward audible signals in elevated locations
- Built-in high volume buzzer type



QAP80BZ



QAP100BZ



QAP125BZ

QAP80BZ High Volume Siren Buzzer, Wall Mount Type

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight
QAP80BZ	DC12V	250mA	·Buzzer volume : Max.105dB	CE	0.54kg
	DC24V	185mA			0.59kg

※ AC type model has a free-voltage range of 100V-240V.

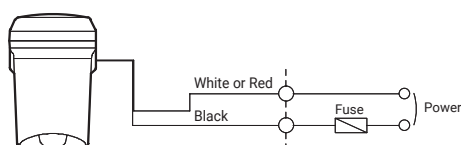
QAP100BZ / QAP125BZ High Volume Siren Buzzer, Wall Mount Type

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight
QAP100BZ	DC12V	250mA	·Buzzer volume : Max.105dB	CE	0.65kg
	DC24V	185mA			0.68kg
	AC110V-220V	Max.100mA			0.75kg
QAP125BZ	DC12V	250mA	·Buzzer volume : Max.105dB	CE	0.75kg
	DC24V	185mA			0.78kg
	AC110V-220V	Max.100mA			0.78kg

※ AC type model has a free-voltage range of 100V-240V.

Wiring Instructions

·QAP80H / QAP100H / QAP125H



- External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- External signal line - UL1007 AWG22(0.3sq) 400mm
- This product can be wired regardless of polarity.



QAP Series' buzzer and electric sound signal is rich and clear because of the way the resonance chamber amplifies the sound.

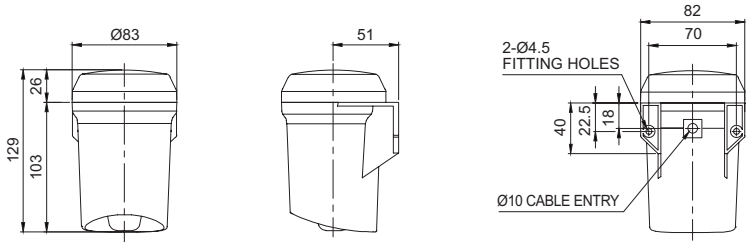
QAP Series



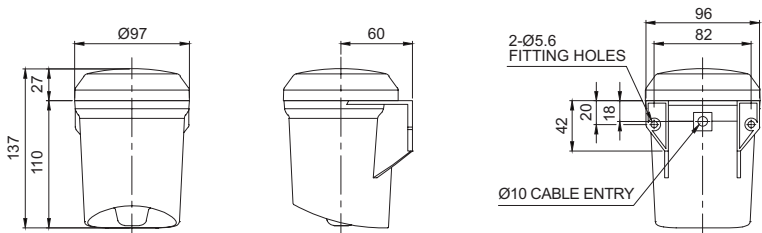
Technical Diagram

Units: mm

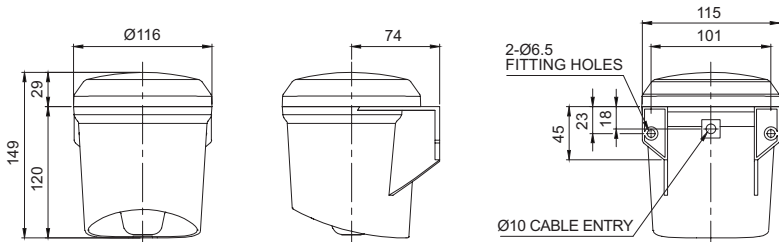
·QAP80BZ



·QAP100BZ



·QAP125BZ



Ordering Specification

QAP80BZ	-	24
[Model number]		[Voltage]
QAP80BZ		12-DC12V
		24-DC24V
QAP100BZ		12-DC12V
QAP125BZ		24-DC24V
		110/220-AC110V-220V

Wall Mounted High Volume Buzzer Horn

S60ADH



PRODUCT SPECIFICATION

S60ADH

Materials ABS

Ambient operating temperature -25°C to +50°C

Sound volume Max.95dB at 1m

Protection rating IP54

Compliant with RoHS directive

- Elegant wall mounted buzzer horn
- Horn resonance structure gives the product low Power consumption and high sound tone
- Cone sound diffusion structure provides wide & excellent signal sound transmission effect



S60ADH

S60ADH Max.95dB, Wall Mounted Buzzer Horn

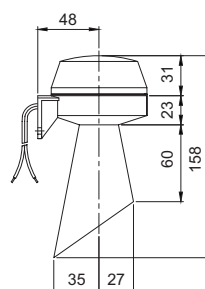
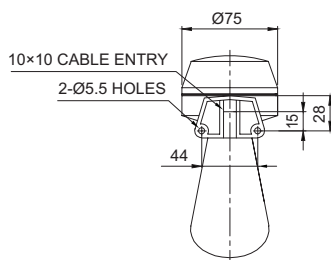
Model number	Pre-recorded sound	Voltage	Current	Certificates	Weight
S60ADH	Buzzer volume : Max.95dB	DC12V	80mA	CE	0.12kg
		DC24V	35mA		0.12kg
		AC110V	10mA		0.12kg
		AC220V	10mA		0.12kg

Pre-recorded sound	Sound pattern	Ch	Volume
1 Buzzer tone	Dududu(Consecutive)	Ch1	Max.95dB

Technical Diagram

Units: mm

·S60ADH



Ordering Specification

S60ADH	-	220
[Model number]		[Voltage]
S60ADH		12-DC12V 24-DC24V 110-AC110V 220-AC220V



SMP35 / SMP50

- **SMP35/SMP50(MP3)**
 - User defined 30 sounds, 30 built-in sounds
- **SMP35-N/SMP50-N(standard unit)**
 - 30 built-in sounds

PRODUCT SPECIFICATION

SMP35 | SMP35-N
SMP50 | SMP50-N

Materials Housing-ABS, Resonance chamber-ABS, Bracket-STS

Ambient operating temperature -25°C to +50°C

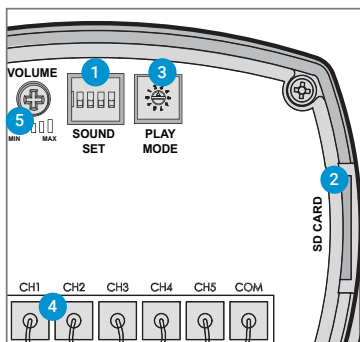
Protection rating IP65

Compliant with RoHS directive

- Can prevent cross talk of different voice environments by selecting an audio signal fit for the specific environment and condition
- 30 pre-recorded sound type and supports Binary input mode and Bit input mode
- Binary input mode can playback 30 sound tones by using sound tone select switch
- Bit Input Mode classifies 30 pre-recorded sounds into 6 groups of 5 sounds, and selects one group to play 5 sounds (In case of using MP3 files, group selection function is not supported).
- SMP35 model uses 30W and SMP50 model uses high-volume 50W unit. You can select and use proper model depending on installation environment
- Volume adjustment and sound selection switches located inside the unit. SD card in the unit offers convenient operation
- Support MP3 file and user can input user defined sound
- Standard unit choose built-in sound only. It can choose 30 sounds in accordance with the customer's needs.

Channel Input Type of Multifunctional Product

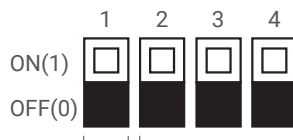
- Standard unit does not support either SD card or Play mode.



- 1 Switch for sound pattern selection
- 2 SD card slot for MP3
- 3 Switch for play mode selection
- 4 Switch for channel selection
- 5 Switch for volume adjustment

Sound Selection Instruction for SDCard Type

- SD card type unit
- It can choose both built-in sounds and user defined sounds(MP3) by controlling sound setup switch no. 1.
- Standard unit
- It can choose both Bit input mode and Binary input mode by controlling sound setup switch no. 1.



Sound Selection
0: Built-in sound
1: SD Card(MP3)

Standard unit(Built-in sound only)

- 0:Bit input(Can choose 5 channels per group)
- 1:Binary(Can choose 30 channels)

Bit input mode selection from 6 groups

- 001: WS(5 Warning sounds)
- 010: WP(5 Special warning sounds 1st group)
- 011: WM(5 Melodies)
- 100: WA(5 Alarms)
- 101: WO(5 Special warning sounds 2nd group)
- 110: WN(5 Special warning sounds 3rd group)

- 30 pre-recorded sounds offered(5 warning sounds, 5 special warning sounds 1st group, 5 melodies, 5 alarms, 5 special warning sounds 2nd group, 5 special warning sounds 3rd group)
- External MP3 sound support(SD card)
- Binary input: 30 channels
- Bit input: 5 channels(6 sound groups)
- A multi-functional product that can use an SD card for MP3 playback
- Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting.

Features per model

	SMP35/SMP50 (MP3)	SMP35-N/SMP50-N (standard unit)	Column
Support SD card(MP3)	O	X	
Support 30 built-in sounds	O	O	
Play mode	O	X	
Bit/Binary input	O	O	Please refer to sound setup switch manual



SMP35 / SMP50 Multifunctional Self Stand Type Electric Signal Horn(Supports Warning Sound/MP3)

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight
SMP35	DC12V-24V	Max. 760mA	·Bit Input: 5Ch ·Binary Input: 30Ch ·Built-in sounds: Max.115dB (Based on WS-Ch4)	CE	0.76kg
	AC110V-220V	Max. 200mA	·MP3: Max.113dB		1.03kg
SMP50	DC12V-24V	Max. 2.85A	·Bit Input: 5Ch ·Binary Input: 30Ch ·Built-in sounds: Max.123dB (Based on Ch6)		0.95kg
	AC110V-220V	Max. 720mA	·MP3: Max.120dB		1.23kg



SMP35-N / SMP50-N

- Powerful 50W unit can generate high signal sound(SMP50)
- ※ DC type model has a free-voltage range of 10V-30V, AC type model has a free-voltage range of 100V-240V.
- ※ When playing MP3 files, there may be difference of volume depending on user's audio file type.

SMP35-N / SMP50-N Self Stand Type Electric Signal Horn(Supports Warning Sound)

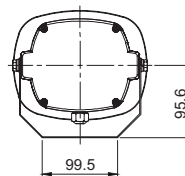
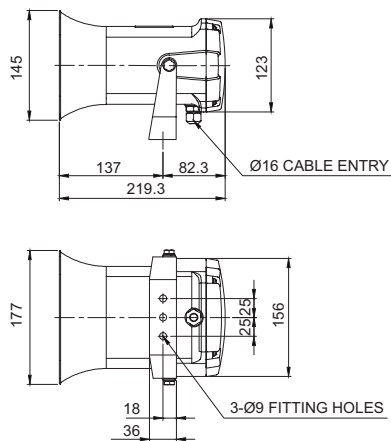
Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight
SMP35-N	DC12V-24V	Max. 680mA	·Bit Input: 5Ch ·Binary Input: 30Ch ·Built-in sounds: Max.115dB (Based on WS-Ch4)	CE	0.76kg
	AC110V-220V	Max. 170mA			1.03kg
SMP50-N	DC12V-24V	Max. 2.85A	·Bit Input: 5Ch ·Binary Input: 30Ch ·Built-in sounds: Max.123dB (Based on Ch6)		0.95kg
	AC110V-220V	Max. 720mA			1.23kg

- Powerful 50W unit can generate high signal sound(SMP50-N)
- ※ DC type model has a free-voltage range of 10V-30V, AC type model has a free-voltage range of 100V-240V.

Technical Diagram

·SMP35 / SMP50
·SMP35-N / SMP50-N

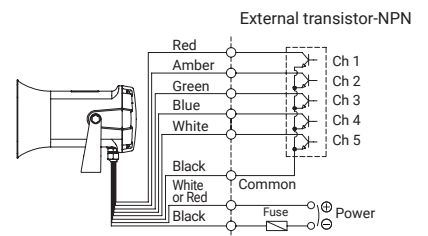
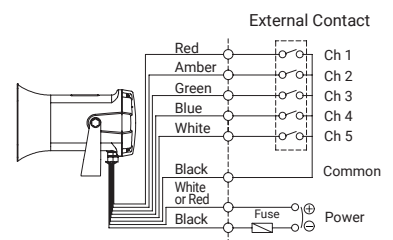
Units: mm



Sound Selection and Wiring Instructions

- Customized type: Select using the External Contact(LC)
- You can select the audible sound pattern using External Contacts or transistor with a customized external sound line (Model number: -LC)

·SMP35 / SMP50-DC/AC
·SMP35-N / SMP50-N-DC/AC



Ordering Specification

·SMP35 / SMP50

SMP50	-	12/24	-	LC	-	INSD
[Model number]		[Voltage]		[Sound selection]		[Including SD card]
SMP35		12/24-DC12V-24V		(None) - Internal switch		None-Without SD card
SMP50		110/220-AC110V-220V		LC Type-Uses external contact		INSD-Including SD card

·SMP35-N / SMP50-N

SMP50-N	-	12/24	-	LC
[Model number]		[Voltage]		[Sound selection]
SMP35-N		12/24-DC12V-24V		(None) - Internal switch
SMP50-N		110/220-AC110V-220V		LC Type-Uses external contact

- DC type : Black output is negative (-)
- In case of Bit input, 5 sound tones can be played. For Binary input, 30 sound tones can be played.
- ※ Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting(Wiring instruction is replaced to channel selection switch)

SRN / SEN15 / SEN25



SRN
(Max.108dB)



SEN15
(Max.105dB)



SEN25
(Max.115dB)

PRODUCT SPECIFICATION

SRN | SEN15 | SEN25

Materials ABS

Ambient operating temperature -25°C to +50°C

Protection rating IP55

Standard Color Red

- Cost effective model with high signal sound
- A variety of sound selections between warning sounds, alarm sounds, melodies and voice messages to fit your sophisticated application needs
- User defined voice signal type(WV) shall be provided upon request
- Can adjust sound volume with the switch built inside the unit

SRN General Electric Horns, Max.108dB

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight
SRN	DC12V	Max.	·WS-5 Warning sounds: Max.108dB ·WM-5 Melodies: Max.108dB ·WA-5 Alarms: Max.105dB ·WV-5 Customizable sounds: 95-102dB	CE	DC-0.72kg AC-0.98kg
	-24V	410mA			
	AC110V	85mA			
	AC220V	60mA			

※ DC type model has a free-voltage range of 10V-30V.

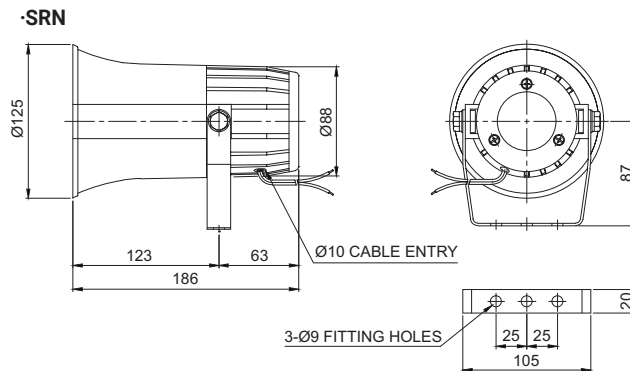
※ CE compliant: DC12V-24V

※ Max.built-in volume feature is based on WS-Ch3 / WM-Ch4 / WA-Ch4.

※ In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.

Technical Diagram

Units: mm



SEN15 General Electric Horns, Max.105dB

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight
SEN15	DC12V-24V	Max.400mA	·WS-5 Warning sounds: Max.105dB ·WM-5 Melodies: Max.105dB ·WA-5 Alarms: Max.105dB ·WV-5 Customizable sounds: 94-101dB	CE	DC-0.76kg AC-1.03kg
	AC110V	105mA			
	AC220V	55mA			

※ DC type model has a free-voltage range of 10V-30V.

※ CE compliant: DC12V-24V, AC220V

※ Max.built-in volume feature is based on WS-Ch1 / WM-Ch4 / WA-Ch4.

※ In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.

SEN25 General Electric Horns, Max.115dB

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight
SEN25	DC12V	2A	·WS-5 Warning sounds: Max.115dB ·WM-5 Melodies: Max.108dB ·WA-5 Alarms: Max.113dB ·WV-5 Customizable sounds: 102-115dB	CE	DC-0.95kg AC-1.23kg
	DC24V	1A			
	AC110V	245mA			
	AC220V	130mA			

※ CE compliant: DC12V, DC24V, AC220V

※ Max.built-in volume feature is based on WS-Ch1 / WM-Ch3 / WA-Ch4.

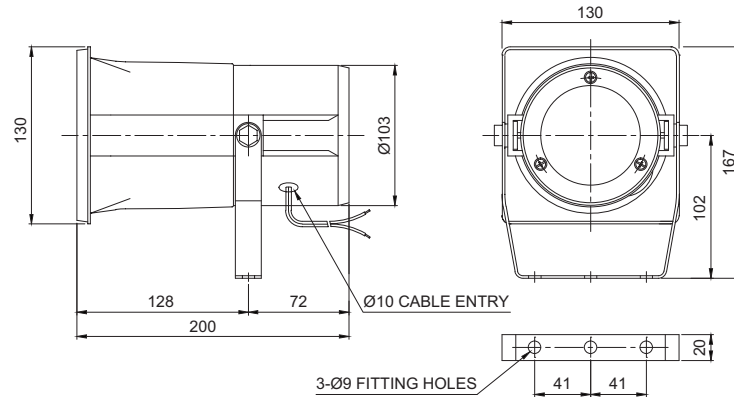
※ In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.



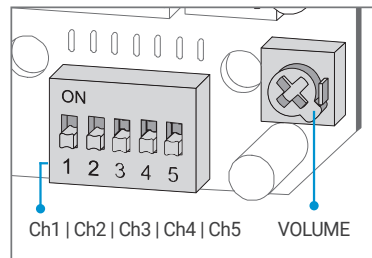
Technical Diagram

Units: mm

·SEN15 / SEN25

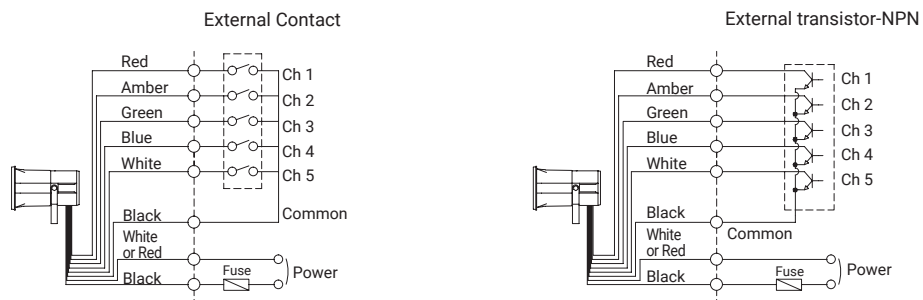


Sound Selection and Wiring Instructions



- Standard: Internal switch
- Internal switch allows to choose sound pattern for SRN / SEN15 / SEN25 models
- External Power line VCTF(0.75sq x 2C) x 400mm
- External signal line - UL1007 AWG22(0.3sq) 400mm
- This product can be wired regardless of polarity.

·SRN / SEN15 / SEN25-DC/AC



Customization

- Customization: Uses External Contact
- You can select the audible sound pattern using External Contacts or transistor with a customized external sound line (Model number: -LC)
- Customization : External Volume Controllable Product
When using the external volume product outdoors, waterproof feature may not be satisfied. Therefore it is recommended to install an additional waterproof cover.
- Optional 8 harmonies(SRN, SEN15)

Ordering Specification

SRN	-	WS	-	220	-	LC
[Model number]		[Sounds]		[Voltage]		[Sound selection]
SRN		WS-Warning		12-DC12V		(None) - Internal switch
SEN15		WM-Melody		24-DC24V		LC Type-Uses external
SEN25		WA-Alarm		12/24-DC12V-24V(SRN, SEN15 only)		contact
		WV-Customizable sound		110-AC110V		
				220-AC220V		

Wall Mount Electronic Sounder with Pre-Recorded Special Warning Sound

QWH Series

Wall mount Electronic Sounder that offers 31 pre-recorded warning sounds and 31 user selected sound messages



- Bit input offers 5 channels with 6 sound outputs
- Binary input offers 31 sound outputs and SD Card (MP3) combination
- High volume type (buzzer type)

PRODUCT SPECIFICATION

QWH35(SD) | QWH50(SD)
QWH35T(SD) | QWH50T(SD)
QWH35B | QWH35BT

Materials Horn-PC+ABS, Housing-PC+ABS

Ambient operating temperature

-30°C to +50°C(Standard type/buzzer type)

-50°C to +50°C(Low temperature type only DC)

-20°C to +50°C(SD Card type)

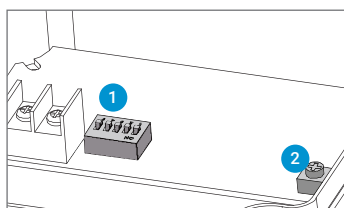
Cable entry M20

Protection rating IP66

Compliant with RoHS directive

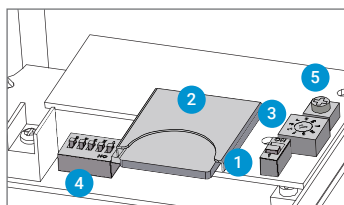
- Signal fit for the specific environment and condition
- Options to select between 31 special warning sounds included in the pre-recorded sound type and SD Card(MP3) type
- Volume adjustment and sound selection switches located inside the unit. SD Card in the unit offers convenient operation.
- SD Card type allows the user to input the proper voice messages for specific operating conditions.
- Built-in special alarm type standard model and MP3(SDcard)
- Supports Binary Input Mode and Bit Input Mode for SD card
- * Bit Input Mode can select and play 5 sounds from No. 1 to No. 5 on MP3 files of SDcard
- Tightly sealed structure that blocks water and dust with IP66 protection rating suitable for outdoor installation
- QWH35T, QWH35TSD, QWH35BT, QWH50T, QWH50TSD allow for easy wiring with separate terminal box (Built-in terminal block for wiring inside product)
- High-volume buzzer output(QWH35B,QWH35BT)
- Support for CAN communication type products (Customization : QWH35, QWH35T)

Pre-recorded sound type



- 1 Sound selection switch
- 2 Volume

SD Card (MP3) type



- 1 Sound setting switch
- 2 MP3 playable SD Card slot
- 3 Play mode setting switch
- 4 Sound selection switch
- 5 Volume

Sound Selection and Volume Adjustment Instructions

QWH Series has control switches inside the unit for sound selection and volume adjustment. You can play customized sound message(MP3) with SD Card.

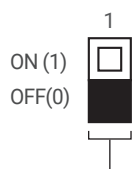
The input method of built-in sound type

ON	1	2	3	4	5
OFF	☐	☐	☐	☐	☐
No.	1	2	3	4	5
0	0	0	0	0	0
1	0	0	0	0	1
2	0	0	0	1	0
:	:	:	:	:	:
31	1	1	1	1	1

Select from 31 pre-recorded output sound options by using a combination of the 5 channel input switches. Selecting one sound by combining 5 switches is binary input method The binary input method allows you to express each of the 31 alarm sound signals with a "0" or "1" by switching the 5 channels on and off as shown in the table.

Sound selection instruction for SD Card type

- You can select between pre-recorded sound mode and SD Card sound (MP3) mode with the SOUND selection switch.



- 31 built-in alarm sounds and special sound
- Supports SD Cards for external sound (MP3)
- Binary Input: 31Ch
- Bit Input: 5Ch(SD Card only)
- Please refer to [Sound pattern and combination for special alarm product] on this catalogue for detailed settings.

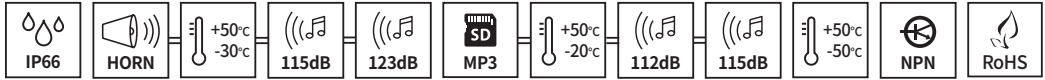
Selection between pre-recorded sound mode and SD Card sound mode

0: pre-recorded sound mode

1: SD Card sound mode

QWH Series Product Category

QWH35(T)	Standard pre-recorded sound type
QWH35(T)SD	MP3(SD Card) type
QWH50(T)	Standard pre-recorded sound type, high volume output
QWH50(T)SD	MP3(SD Card) type, high volume output
QWH35B(T)	High volume type



QWH35 Wall Mount Electronic Sounder with Pre-Recorded Special Warning Sound, Max.115dB

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight
QWH35 Built-in standard sound	DC12V-24V	Max.1.15A	·Bit Input: 5Ch (SD Card) ·Binary Input: 31Ch ·Warning sounds: Max. 115dB (Based on Ch31)	CE UL	0.90kg
	AC110V-220V	Max.300mA			
QWH35SD MP3	DC12V-24V	Max.1.15A	·MP3: Max.112dB	CE UL	1.00kg
	AC110V-220V	Max.300mA			

※ UL Listed: DC12V-24V

QWH50 Wall Mount Electronic Sounder with Pre-Recorded Special Warning Sound, Max.123dB

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight
QWH50 Built-in standard sound	DC12V-24V	Max.3.6A	·Bit Input: 5Ch (SD Card) ·Binary Input: 31Ch ·Warning sounds: Max. 123dB (Based on Ch16)	CE UL	2.70kg
	AC110V-220V	Max.730mA			
QWH50SD MP3	DC12V-24V	Max.3.6A	·MP3: Max. 115dB	CE UL	2.80kg
	AC110V-220V	Max.730mA			

※ DC type model has a free-voltage range of 10V-30V.

※ AC type model has a free-voltage range of 100V-240V.

※ UL Listed: DC12V-24V

※ When playing MP3 files, there may be difference of volume depending on user's audio file type.



QWH35 Series
(Max.115dB)

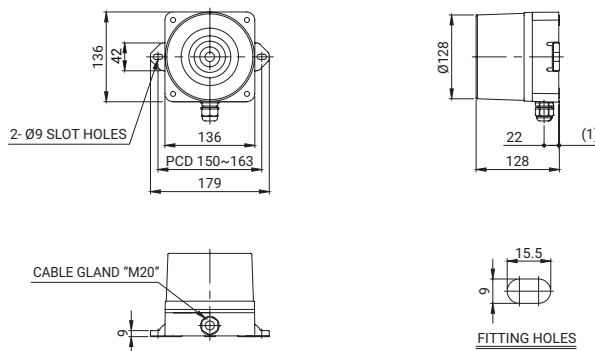


QWH50 Series
(Max.123dB)

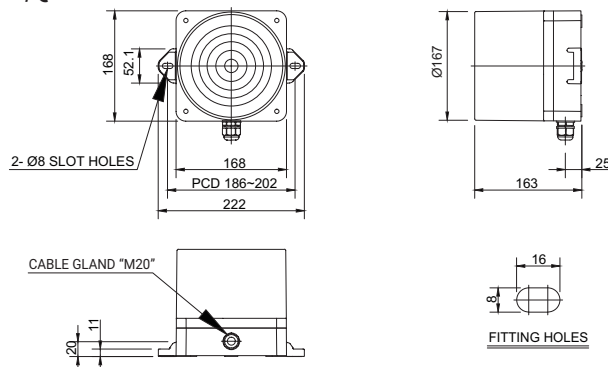
Technical Diagram

Units: mm

• QWH35/QWH35SD



• QWH50/QWH50SD



Wiring Instructions

QWH50	-	110/220	-	LC	-	INSD
[Model number]		[Voltage]		[sound selection]		[Including SD card]
QWH35 QWH35SD QWH50 QWH50SD		12/24-DC12V-24V 110/220-AC110V-220V		None-Standard type LC Type-Uses external contact		None-Without SD card INSD-Including SD card

Customization

- External threading of signal line for sound selection(Model number: -LC)
- Support for CAN communication type products(QWH35 DC only)
- Cold-resistance type(DC type only)

QWH Series

Allows for easy wiring with terminal box and 2 cable gland equipped



QWH35T Series
(Max.115dB)



QWH50T Series
(Max.123dB)

QWH35T Wall Mount Electronic Sounder with Pre-Recorded Special Warning Sound, Max.115dB

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight
QWH35T Built-in standard sound	DC12V-24V	Max.1.15A	·Bit Input: 5Ch (SD Card) ·Binary Input: 31Ch ·Warning sounds: Max.115dB (Based on Ch31) ·MP3: Max.112dB	CE UL	1.10kg
	AC110V-220V	Max.300mA			
QWH35TSD MP3	DC12V-24V	Max.1.15A			1.15kg
	AC110V-220V	Max.300mA			

※ UL Listed: DC12V-24V

QWH50T Wall Mount Electronic Sounder with Pre-Recorded Special Warning Sound, Max.123dB

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight
QWH50T Built-in standard sound	DC12V-24V	Max.3.6A	·Bit Input: 5Ch (SD Card) ·Binary Input: 31Ch ·Warning sounds: Max.123dB (Based on Ch16) ·MP3: Max.115dB	CE UL	3.00kg
	AC110V-220V	Max.730mA			
QWH50TSD MP3	DC12V-24V	Max.3.6A			3.10kg
	AC110V-220V	Max.730mA			

※ DC type model has a free-voltage range of 10V-30V.

※ AC type model has a free-voltage range of 100V-240V.

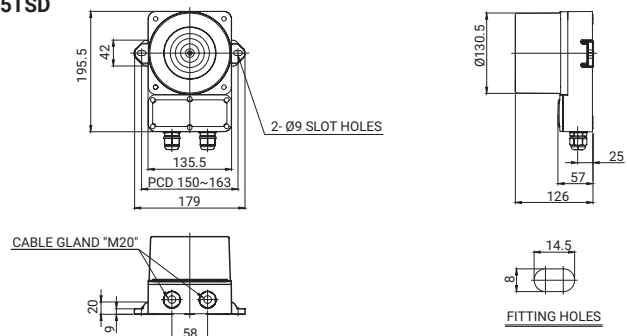
※ UL Listed: DC12V-24V

※ When playing MP3 files, there may be difference of volume depending on user's audio file type.

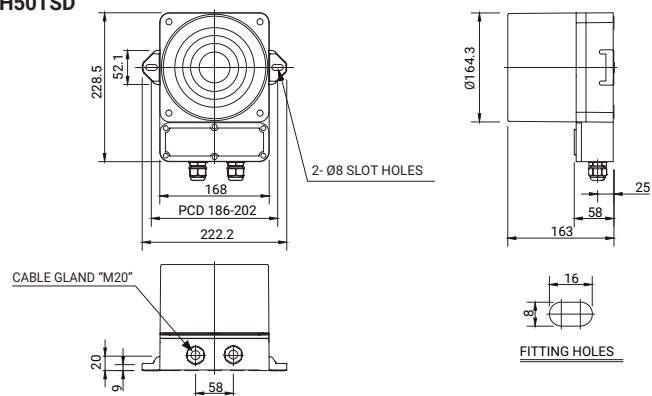
Technical Diagram

Units: mm

·QWH35T / QWH35TSD



·QWH50T / QWH50TSD

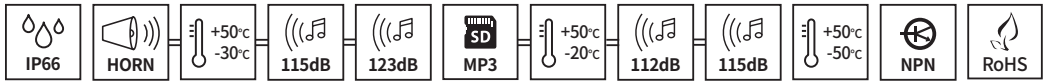


Customization

- External threading of signal line for sound selection(Model number: -LC)
- Support for CAN communication type products(QWH35T DC only)
- Cold-resistance type(DC type only)

Ordering Specification

QWCD35T	110/220	LC	INS
[Model number]	[Voltage]	[sound selection]	[Including SD card]
QWCD35T	12/24-DC12V-24V	None-Standard type	None-Without SD card
QWCD35TSD	110/220-AC110V-220V	LC Type-Uses external contact	INS-Including SD card
QWCD50T			
QWCD50TSD			

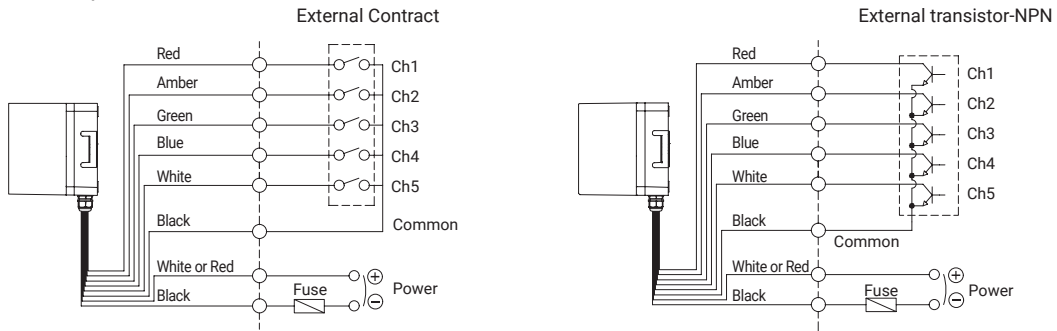


Wiring Instructions

- Standard specification: Uses internal switches
- Customization: Uses External Contact

·QWH35 / QWH50-DC/AC

·QWH35T / QWH50T-DC/AC



- Channel selection, 5 sounds available with Bit input and 31 sound available with Binary input
- DC type : Black output line is negative(-)
- ※ Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting(Wiring instruction is replaced to channel selection switch).

QWH Series



QWH35B
(Max.115dB)

QWH35B Wall Mounted Type Electronic Sounder with High Volume Buzzer, Max.115dB

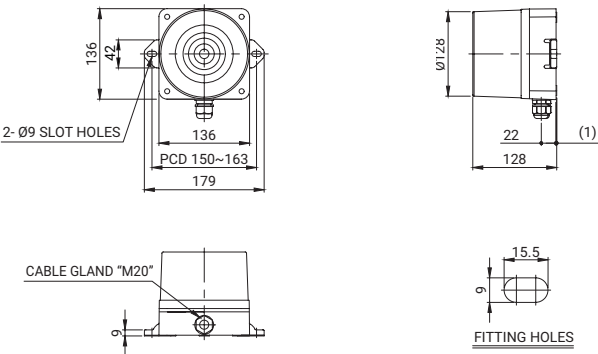
Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight
QWH35B	DC12V	385mA	·Buzzer volume : Max. 115dB	 	0.70Kg
	DC24V	365mA			0.70Kg
	AC110V-220V	Max.145mA			0.81Kg

※ AC type model has a free-voltage range of 100V-240V.
※ UL Listed: DC12V, DC24V

Technical Diagram

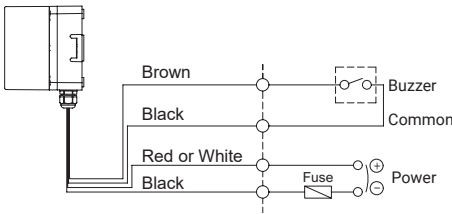
Units: mm

·QWH35B



Wiring Instructions

·QWH35B



· DC type : Black output line is negative(-)

Wiring Instructions

QWH35B	-	110/220
[Model number]		[Voltage]
QWH35B		12-DC12V 24-DC24V 110/220-AC110V-220V



QWH35BT Wall Mounted Type Electronic Sounder with High Volume Buzzer, Max.115dB

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight
QWH35BT	DC12V	385mA	·Buzzer volume : Max. 115dB	 	0.72Kg
	DC24V	365mA			0.72Kg
	AC110V-220V	Max.145mA			0.81Kg

※ AC type model has a free-voltage range of 100V-240V.
※ UL Listed: DC12V, DC24V

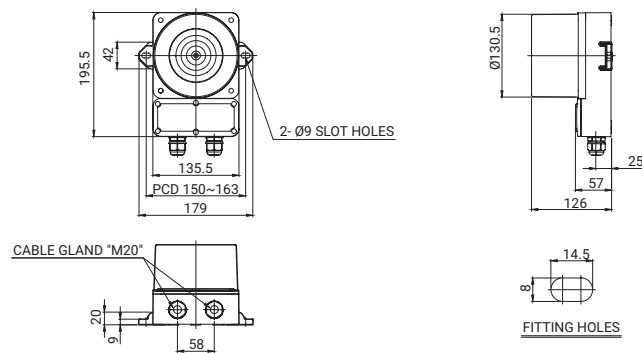


QWH35BT
(Max.115dB)

Technical Diagram

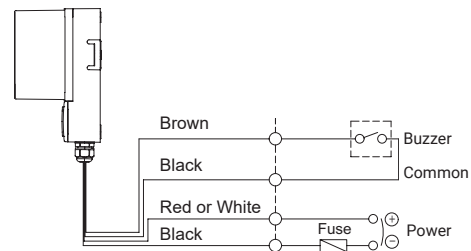
Units: mm

·QWH35BT



Wiring Instructions

·QWH35BT



· DC type : Black output line is negative(-)

Wiring Instructions

QWH35BT	-	110/220
[Model number]		[Voltage]
QWH35BT		12-DC12V 24-DC24V 110/220-AC110V-220V

SN / SEHN25 / SEHN50



SN
(Max.100dB)



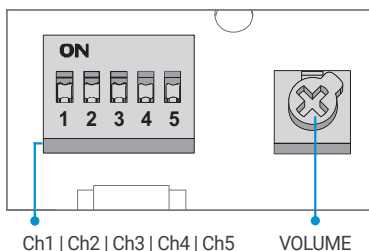
SEHN25
(Max.115dB)



SEHN50
(Max.118dB)

Wiring Instructions

- Standard specification
- Uses internal switches
- When each channel dip switch is on, a related sound will be played



PRODUCT SPECIFICATION

SN | SEHN25 | SEHN50

Materials Housing-Steel, Horn housing -Steel
Ambient operating temperature -25°C to +50°C
Protection rating IP55
Housing standard color Red

- Steel housing provides excellent vibration and shock resistance under seismic conditions
- A variety of sound selections between warning sounds, alarm sounds, melodies and voice messages to fit your sophisticated application needs
- Can adjust sound volume with the switch built inside the unit

SN Electronic Sounder, Max.100dB Self Stand Type

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight
SN	DC12V-24V	Max.265mA	·WS-5 Warning sounds: Max.98dB ·WM-5 Melodies: Max.98dB	CE	0.91kg
	AC110V	65mA	·WA-5 Alarms: Max.100dB		1.06kg
	AC220V	30mA	·WV-5 Customizable sounds: 92-96dB		

※ CE compliant : DC12V-24V, AC220V

※ Max. built-in volume feature is based on WS, WP-Ch3 / WM-Ch4 / WA-Ch4.

※ In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.

SEHN25 Electronic Sounder, Max.115dB Self Stand Type

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight
SEHN25	DC12V	2.2A	·WS-5 Warning sounds: Max.115dB	-	2.26kg
	DC24V	1A	·WM-5 Melodies: Max.115dB		2.48kg
	AC110V	220mA	·WA-5 Alarms: Max.113dB		
	AC220V	110mA	·WV-5 Customizable sounds: 99-112dB		

※ Max. built-in volume feature is based on WS, WP-Ch1 / WM-Ch5 / WA-Ch2.

※ In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.

SEHN50 Electronic Sounder, Max.118dB Self Stand Type

Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight
SEHN50	DC12V	2.45A	·WS-5 Warning sounds: Max.118dB	-	2.67kg
	DC24V	1.15A	·WM-5 Melodies: Max.115dB		3.30kg
	AC110V	280mA	·WA-5 Alarms: Max.118dB		
	AC220V	170mA	·WV-5 Customizable sounds: 108-118dB		

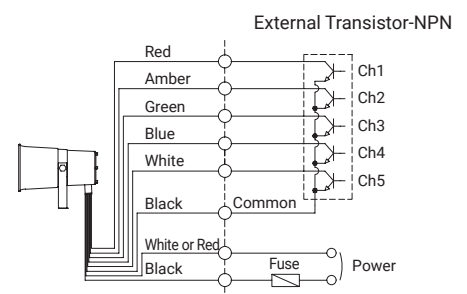
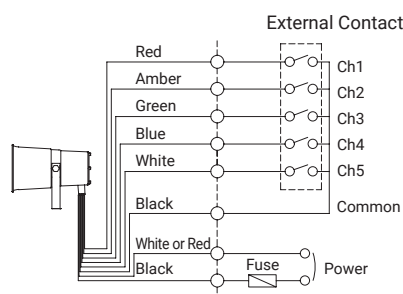
※ Max. built-in volume feature is based on WS, WP-Ch1 / WM-Ch4 / WA-Ch2.

※ In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.

※ Please refer to [Sound tone and combination for standard product] on this catalogue for detailed sound tone specification

·SN / SEHN25 / SEHN50-DC/AC

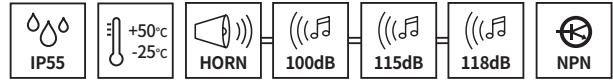
- Customization: Uses external contact(LC)



· External power line VCTF(0.75sq) x 2C 400mm

· LC type external signal line - UL1007 AWG22(0.3sq) 400mm

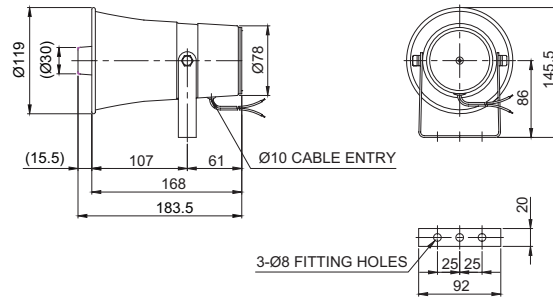
· Product can be wired regardless of polarity.



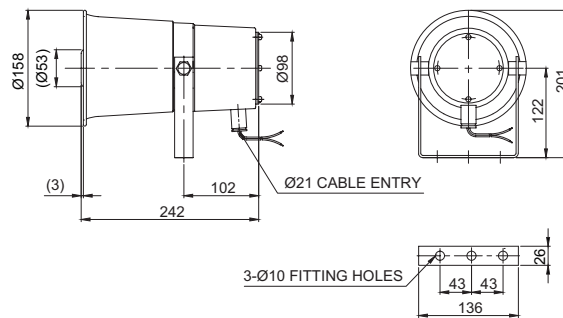
Technical Diagram

Units: mm

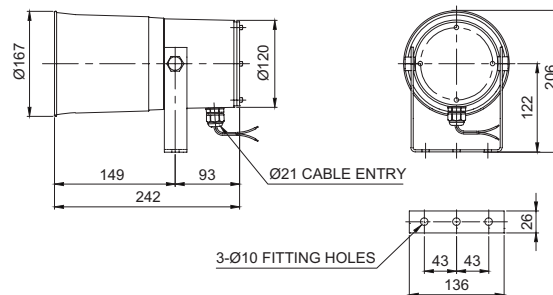
·SN



·SEHN25



·SEHN50



Customization

- You can select the audible sound pattern using External Contacts or transistor with a customized external sound line. (Model number : -LC)

Ordering Specification

SEHN25	-	WA	-	220	-	LC
[Model number]		[Sounds]		[Voltage]		[sound selection]
SN SEHN25 SEHN50		WS-Warning WM-Melody WA-Alarm WV-Customizable sound		12-DC12V 24-DC24V 12/24-DC12V-24V(SN only) 110-AC110V 220-AC220V		None-Built-in switch LC Type-Uses external contact



SM30
(Max.110dB)



SM40
(Max.116dB)

PRODUCT SPECIFICATION

SM30 | SM40

Materials SM30-Steel, SM40-ABS

Ambient operating temperature -25°C to +50°C

Housing standard color SM30-Red, SM40-Gray

Motor RPM SM30-10,000RPM, SM40- 7,000RPM

Insulation resistance 100MΩ(at 500VDC)

- SM30: Ø80mm compact structure with 110dB sound output
- SM40: Ø100mm compact structure with 116dB sound output

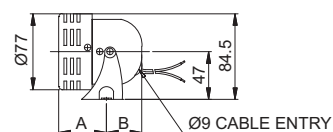
SM30 Miniature Motor Siren, Max.110dB

Model number	Volume	Voltage	Current	Certificates	Weight	Rated time
SM30	Max.110dB	DC12V	5A	-	0.22kg	10 min
		DC24V	3A		0.22kg	
		AC110V	1.25A		0.42kg	
		AC220V	750mA		0.42kg	

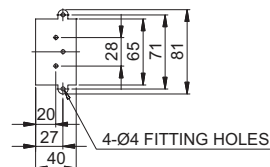
Technical Diagram

Units: mm

-SM30



MODEL	A(mm)	B(mm)
SM30-DC	47	35
SM30-AC	72.5	32



Precautions for Use

Continuous operation rating time is 10 mins. Over 10 mins of continuous operation may cause motor damage. Please be careful.

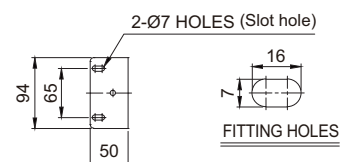
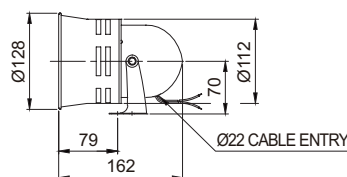
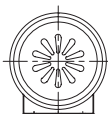
SM40 Miniature Motor Siren, Max.116dB

Model number	Volume	Voltage	Current	Certificates	Weight	Rated time
SM40	Max.116dB	DC12V	4.5A	-	0.53kg	10 min
		DC24V	3A		0.53kg	
		AC110V	1A		0.68kg	
		AC220V	730mA		0.68kg	

Technical Diagram

Units: mm

-SM40



Ordering Specification

SM30	-	24
[Model number]		[Voltage]
SM30		12-DC12V
SM40		24-DC24V
		110-AC110V
		220-AC220V



PRODUCT SPECIFICATION

SM200 | SM400

Materials SM200-Steel/Al, SM400-Steel/ABS
Ambient operating temperature -25°C to +50°C
Housing standard color Red
Motor RPM SM200-7,200RPM, SM400- 7,600RPM
Insulation resistance 100MQ(at 500VDC)

- SM200: Excellent durability and high volume are suitable for noisy environment
- SM400: 123dB high volume model suitable for long-distance audible signal in noisy environments



SM200
(Max.120dB)



SM400
(Max.123dB)

SM200 Motor Siren Max.120dB

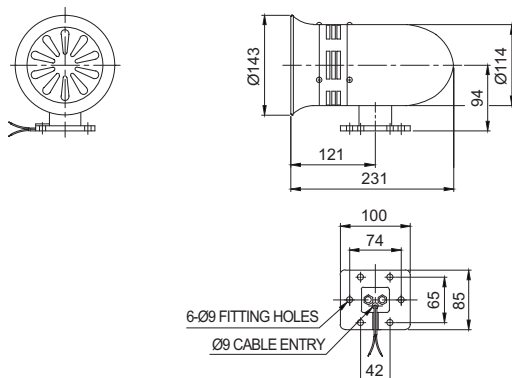
Model number	Volume	Voltage	Current	Certificates	Weight	Rated time
SM200	Max.120dB	DC24V	11A	CE	2.19kg	10 min
		AC110V	2.85A		2.55kg	
		AC220V	1.5A		2.55kg	

※ CE compliant : DC24V

Technical Diagram

Units: mm

·SM200



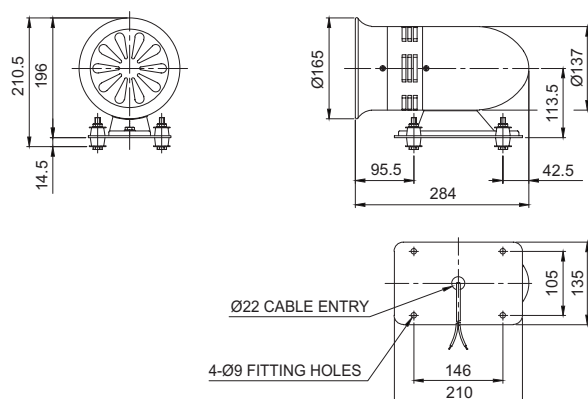
SM400 Motor Siren Max.123dB

Model number	Volume	Voltage	Current	Certificates	Weight	Rated time
SM400	Max.123dB	DC24V	5.5A	-	3.19kg	3 min
		AC110V	4A		3.75kg	
		AC220V	3A		3.75kg	

Technical Diagram

Units: mm

·SM400



Precautions for Use

The rated continuous operation time of motor siren SM200 is 10 minutes, and the rated continuous operation time of SM400 is 3 minutes. Please be careful as continuous operation outside of the rated time of each motor siren may cause damage to the motor.

Ordering Specification

SM200	-	24
[Model number]		[Voltage]
SM200		24-DC24V
SM400		110-AC110V
		220-AC220V

Global Networks

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Qlight China Corporation

Sales Corporation (Shanghai)
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Manufacturing Corporation (Qidong)
#33, Haiyan Road, Qidong High-tech Industrial Development Zone,
Qidong, Jiangsu Province, China

Qlight Clients

Heavy industry/Ship building/Automotive/Steel/Machinery/Petrochemical/Power plants/Electronics/Semiconductor/Emergency Vehicles

SAMSUNG

HYUNDAI

KIA

POSCO

COUPANG

SK hynix

LG Chem

SK innovation

HYUNDAI STEEL

KSOE KOREA STEEL OIL & ENERGY (KOSOWO)

SAMSUNG HEAVY INDUSTRIES

HYUNDAI CONSTRUCTION EQUIPMENT

DOOSAN

ExxonMobil

gm

BMW

FOXCONN

HUAWEI

Honeywell

L'ORÉAL PARIS

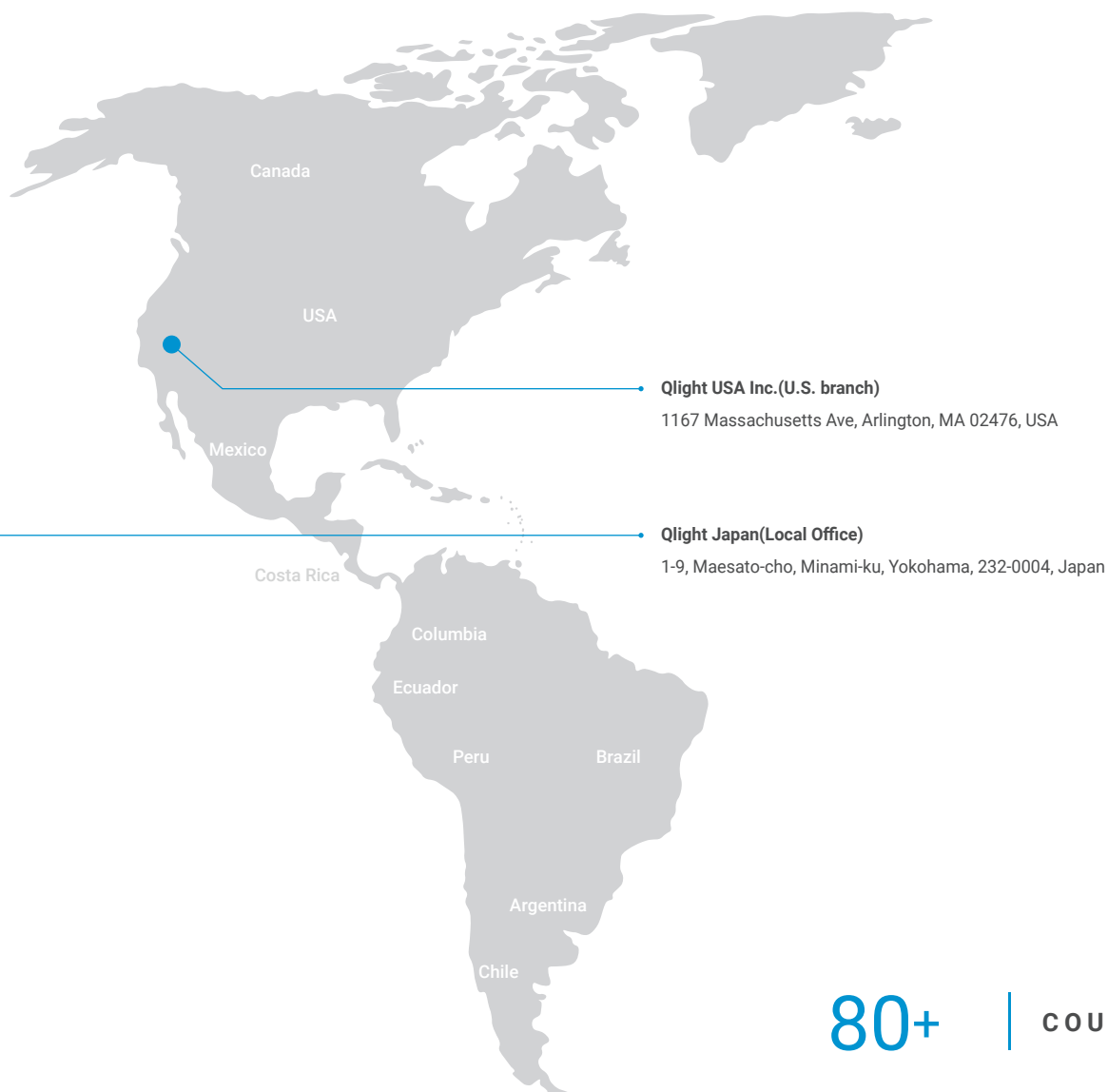
ISUZU

ADNOC

KONECRANES

Kulicke & Soffa

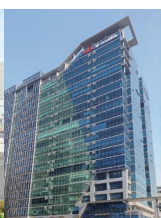
Qlight products have been exported all over the world in recognition of excellent technical capabilities and exceptional quality.
Qlight products are going to be distributed a lot more countries in the future.



80+ | COUNTRIES
250+ | DISTRIBUTORS



Gimhae Production Headquarters



Seoul Headquarters



Busan Business Center



Qlight China Factory

Technical Certification

Qlight products are designed to meet strict quality and technical standards. Thus, the Qlight brand is widely recognized for its high quality and technical innovations from leading institutions around the world.



ISO
International Organization for
Standardization



IECEx
International Explosion Proof
Certification(IECEx)



ATEX
The European Regulatory
Framework or Manufacture, Installation
and Use of Equipment in Explosive
Atmospheres



NEPSI
National Center for Explosion Protection
and Safety of Instrumentation



NRTL
Certified by designated U.S. laboratory



KCs
Korea safety Certification



TIIS
Technology Institution of
Industrial Safety



CCS
China Classification Society



TS
Industrial Safety Technology Institute
of Taiwan



FCC
Federal Communications Commission



S-mark
Safety Certification



KC
Korea Certification Mark



CCC
China Compulsory Certificate



CCCF
China Certification Center for
Security & Protection



UL
Underwriters Laboratories



CE
European Commission



ICAO
International Civil Aviation Organization



RoHS2
Restriction of Hazardous Substances
Directive

Qlight Catalog Introduction

Qlight produces a wide variety of product categories which offers the customer the ability to select the suitable device for their application needs and environments. There are signal tower lights, Signal Beacons and Sounders, Heavy-Duty and Explosion Proof Signalings, Warning light bars, Aviation Obstruction Lights, Smart Factory Products, Industrial LED lights, and Performance Line - E Series



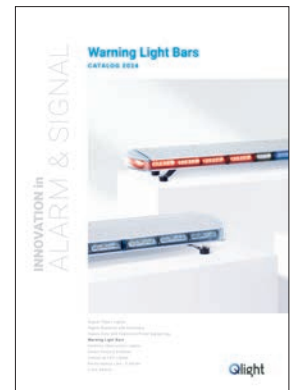
Signal Tower Lights



Signal Beacons and Sounders



Heavy-Duty and Explosion Proof Signalings



Warning Light Bars



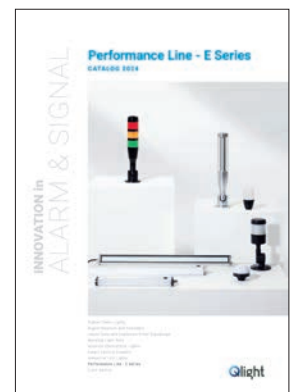
Aviation Obstruction Lights



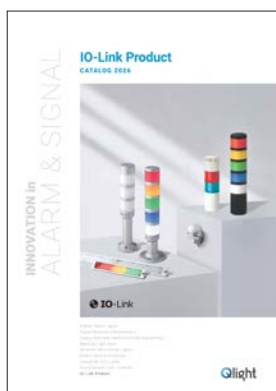
Smart Factory Products



Industrial LED Lights



Performance Line - E Series



IO-Link Product

You could download and find the latest Catalog on the Qlight website.

* The latest product information could be accurately checked on the Qlight website (www.qlight.com). Please refer to the user manual attached with the product before installation and use.



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