LED Strobe Signal Beacon & Electronic Sounder Combinations

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

- 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)
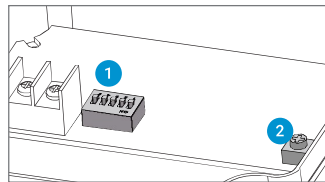
· **Combination of 31 sound options built in and SD Card (MP3) option Card(MP3) option**
· **High-volume type (buzzer type)**

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

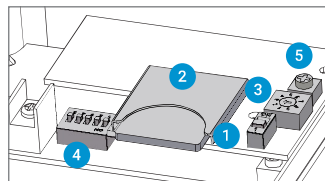## Qlight's exclusive inno- vative design - the horn cover emits light!

· 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 paly 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
3 Play mode setting switch
4 Sound select switch
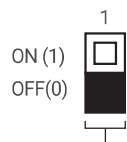5 Volume

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 witch.

ON (1)
OFF(0)

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	Max.1.300A	·Bit Input: 5Ch (SD Card) ·Binary Input: 31Ch ·Warning Sounds : Max.115dB (Based on Ch31) ·MP3: Max.112dB	CE CCS UL	1.10kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	AC110V-220V	Max.0.350A				
QWCD35SD MP3	DC12V-24V	Max.1.200A			1.15kg	
	AC110V-220V	Max.0.310A				

※ 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	Max.4.680A	·Bit Input: 5Ch (SD Card) ·Binary Input: 31Ch ·Warning Sounds : Max.123dB (Based on Ch16) ·MP3: Max.115dB	CE UL	2.70kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	AC110V-220V	Max.0.900A				
QWCD50SD MP3	DC12V-24V	Max.4.680A			3.00kg	
	AC110V-220V	Max.0.720A				

※ 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
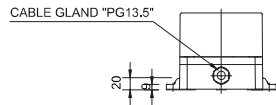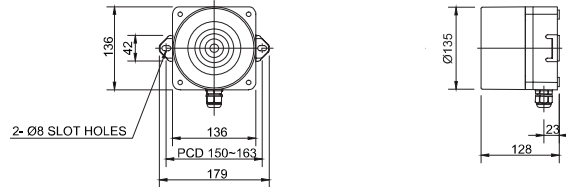※ When playing MP3 files, there may be difference of volume depending on user's audio file type.
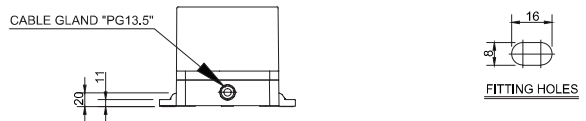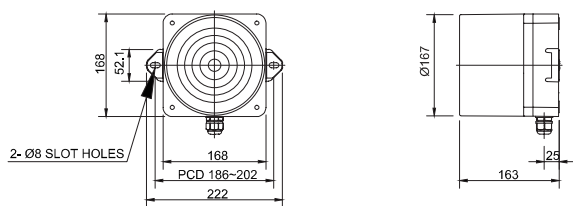
QWCD35 Series

QWCD50 Series

Technical Diagram
Units: mm

·QWCD35 / QWCD35SD

136
42
2- Ø8 SLOT HOLES
136
PCD 150~163
179
Ø135
23
128

CABLE GLAND "PG13.5"
20
9

14.5
8
FITTING HOLES

·QWCD50 / QWCD50SD

168
52.1
2- Ø8 SLOT HOLES
168
PCD 186~202
222
Ø167
25
163

CABLE GLAND "PG13.5"
20
11

16
8
FITTING HOLES

Ordering Specification

QWCD50	-	110/220	-	R	-	LC	-	INSD

[Model number]
QWCD35
QWCD35SD
QWCD50
QWCD50SD

[Voltage]
12/24
-DC12V-24V
110/220
-AC110V-220V

[Color]
● R-Red
● A-Amber
● G-Green
● B-Blue

[sound selection]
(Blank)-Standard type
LC Type-Uses External Contact

[Including SD card]
(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(QWCD35 DC 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 Builtin sound type	DC12V-24V	Max. 1.300A	·Bit Input: 5Ch (SD Card) ·Binary Input: 31Ch ·Warning Sounds : Max.115dB (Based on Ch31) ·MP3: Max.112dB	CE	1.30kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	AC110V-220V	Max. 0.350A				
QWCD35TSD Terminal box equipped type MP3	DC12V-24V	Max. 1.200A			1.35kg	
	AC110V-220V	Max. 0.310A				

QWCD50T LED Strobe Signal Beacon & Electronic Sounder Combinations

Model number	Voltage	Current	Sound Pattern and volume	Certificates	Weight	Color
QWCD50T Terminal box equipped type Builtin sound type	DC12V-24V	Max. 4.680A	·Bit Input: 5Ch (SD Card) ·Binary Input: 31Ch ·Warning Sounds : Max.123dB (Based on Ch16) ·MP3: Max.115dB	CE	3.10kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	AC110V-220V	Max. 0.900A				
QWCD50TSD Terminal box equipped type MP3	DC12V-24V	Max. 4.680A			3.40kg	
	AC110V-220V	Max. 0.720A				

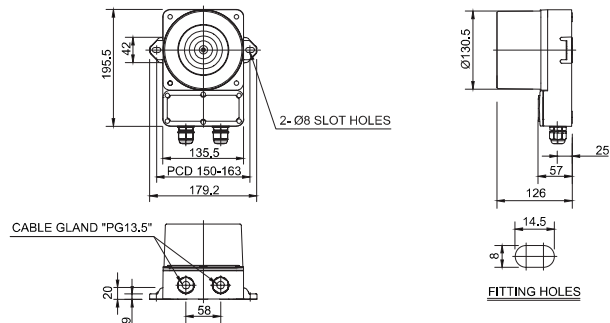※ DC type model has a free-voltage range of 10V-30V.
※ AC type model has a free-voltage range of 100V-240V.
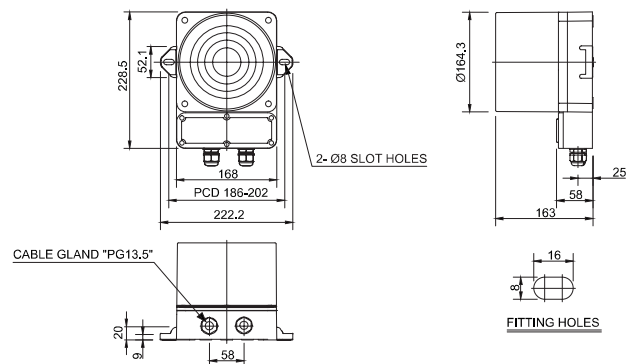※ When playing MP3 files, there may be difference of volume depending on user's audio file type.

Technical Diagram
Units: mm

·QWCD35T / QWCD35TSD

195.5
42
2- Ø8 SLOT HOLES
135.5
PCD 150-163
179.2
Ø130.5
25
57
126
CABLE GLAND "PG13.5"
20
9
58
14.5
8
FITTING HOLES

·QWCD50T / QWCD50TSD

228.5
52.1
2- Ø8 SLOT HOLES
168
PCD 186-202
222.2
Ø164.3
25
58
163
CABLE GLAND "PG13.5"
20
9
58
16
8
FITTING HOLES

Customization
· External threading of signal line for sound selection(Model number: –LC)
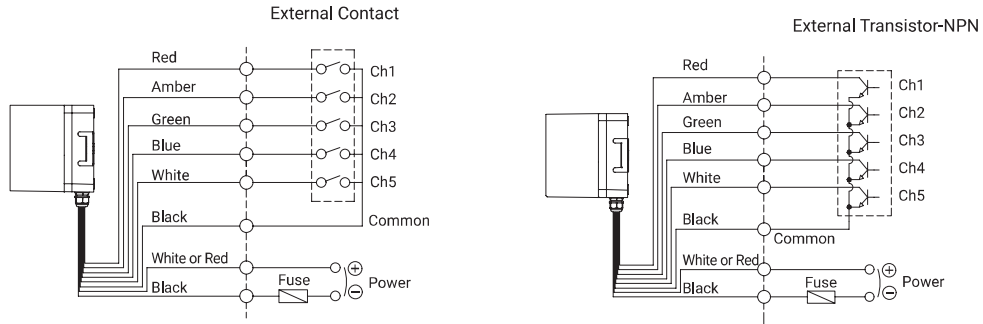· Support for CAN communication type products(QWCD35T DC only)

Ordering Specification

QWCD35T	-	110/220	-	R	-	LC	-	INSD

[Model number]
QWCD35T
QWCD35TSD
QWCD50T
QWCD50TSD

[Voltage]
12/24-DC12V-24V
110/220-AC110V-220V

[Color]
● R-Red
● A-Amber
● G-Green
● B-Blue

[sound selection]
(Blank)-Standard type
LC Type-Uses external contact

[Including SD card]
(None)-Without SD card
INSD-Including SD card

Wiring Instructions

· Standard specification: Uses internal switches
· Customization: Uses external contact

·QWCD35 / QWCD50-DC/AC
·QWCD35T / QWCD50T-DC/AC

External Contact

External Transistor-NPN

· 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)