QWCD series

LED Strobe Signal Light and Electric Horn Combinations

A new concept of using the horn cover as a light globe
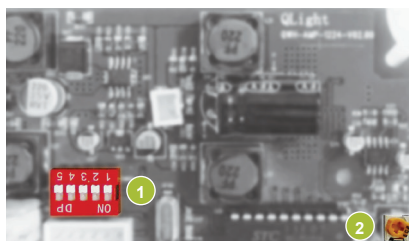
QWCD series is an integrated horn and light globe.

QWCD series	
QWCD35(T)	Built-in standard sound
QWCD35(T)SD	MP3(SD Card)
QWCD50	Built-in standard sound, large output sound
QWCD50SD	SD Card(MP3), Large output sound

- 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
- There are 31 built-in sounds that can be played in various environments, and supports a Binary input method
- You can save and play up to 31 mp3 files using a external SD Card
- Can easily set up the sounds using a PC
- 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)

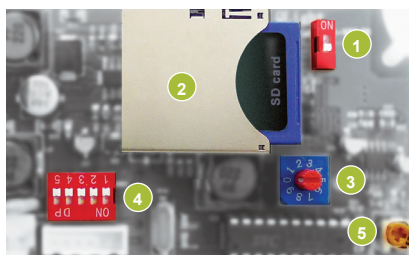### Built-in sound type

1 Sound selection switch
2 Volume

The input method of built-in sound type

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.
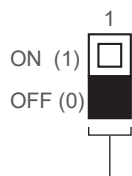
SD Card(MP3) type

1 Sound setting switch
2 MP3 playable SD Card
3 Play mode setting switch
4 Sound select switch
5 Volume

The sound selection method of SD Card type

Can easily select built-in sound or external sound(MP3) by using the sound selection switch.
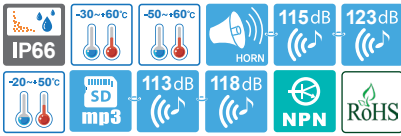
ON (1)
OFF (0)

The sound selection
0 : Select built-in sound
1 : Select SD Card

- 31 built-in special warning sounds
- Supports SD Card (MP3)
- Binary Input : 31Ch
- Bit Input : 5Ch (SD Card only)
- A multifunctional product that can play MP3 files using an SD Card
- Please refer to Page 144 for detailed settings
- Built-in sound is set to #1 as default

QWCD series

LED Strobe Signal Light and Electric Horn Combinations

IP66 | -30~+60°C | -50~+60°C | 115dB HORN | 123dB

-20~+50°C | SD mp3 | 113dB | 118dB | NPN | RoHS

- **Qlight's exclusive innovative design - the horn cover emits light!**
- **Combination of 31 sound options built in and SD Card(MP3) option**
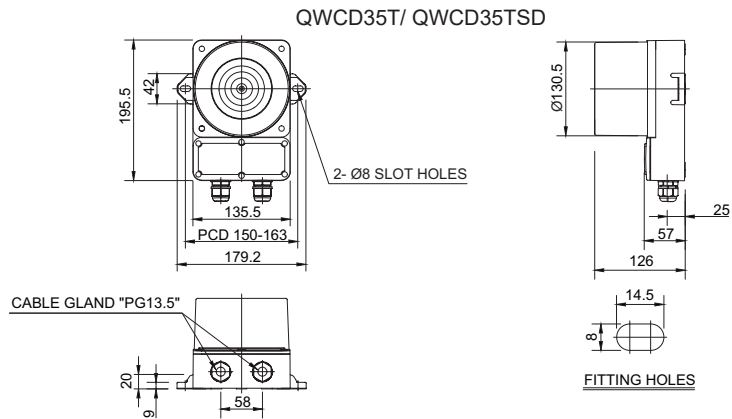- **Allows for easy wiring with terminal box and 2 cable gland equipped**

QWCD35T series

QWCD35T — Terminal Box Equipped LED Strobe Signal Light and Electric Sounder Combinations

Model number	Voltage	Current	Sound Pattern and Volume	Certificates	Weight	Color
QWCD35T Terminal box equipped type Built-in sound type	DC12V-24V	Max. 1.300A	• Bit Input : 5Ch (SD Card) • Binary Input : 31Ch • Warning Sounds: 115dB • MP3 Messages : 113dB	CE	1.30kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	AC110V -220V	Max. 0.350A				
QWCD35TSD Terminal box quipped type MP3	DC12V-24V	Max. 1.200A			1.35kg	
	AC110V -220V	Max. 0.310A				

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

Technical Diagram (Units : mm)

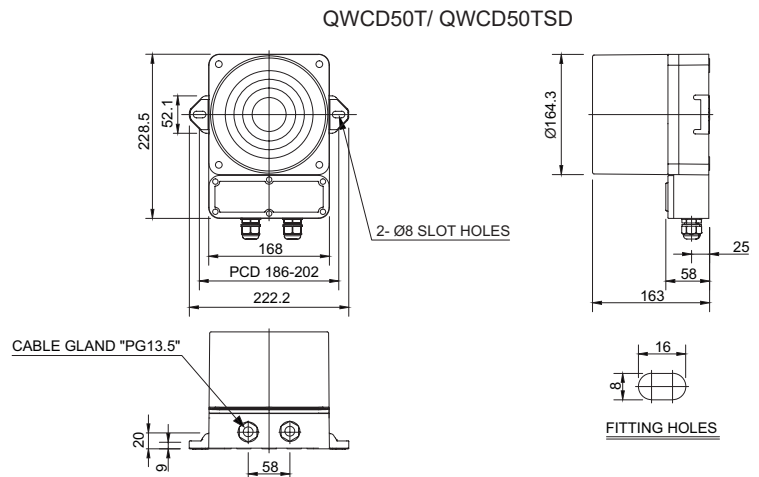QWCD35T/ QWCD35TSD

195.5 | 42 | Ø130.5 | 25 | 57 | 126 | 14.5 | 8

2- Ø8 SLOT HOLES
135.5
PCD 150-163
179.2

CABLE GLAND "PG13.5"
20 | 9 | 58

FITTING HOLES

QWCD50T — Terminal Box Equipped LED Strobe Signal Light and Electric Sounder Combinations

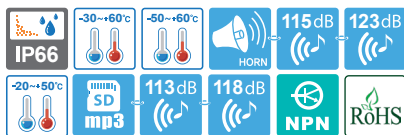| Model number	Voltage	Current	Sound Pattern and Volume	Certificates	Weight	Color
QWCD50T Terminal box equipped type Built-in sound type	DC12V-24V	Max.5.450A	• Bit Input : 5Ch (SD Card) • Binary Input : 31Ch • Warning Sounds: 123dB • MP3 Messages : 118dB	CE	3.10kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	AC110V -220V	Max.0.900A				
QWCD50TSD Terminal box quipped type MP3	DC12V-24V	Max.3.800A			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.
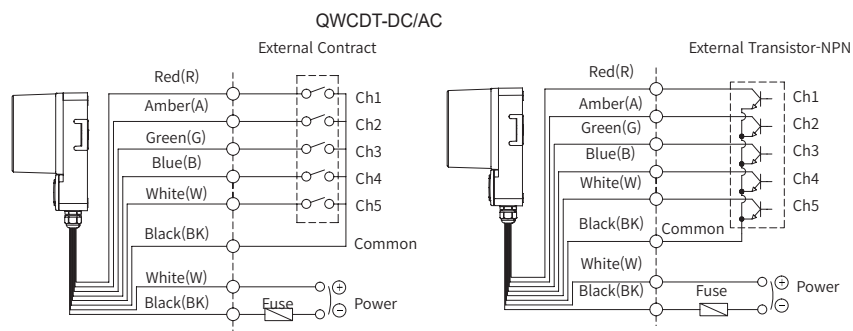
Technical Diagram (Units : mm)

QWCD50T/ QWCD50TSD

228.5 | 52.1 | Ø164.3 | 25 | 58 | 163 | 16 | 8

2- Ø8 SLOT HOLES
168
PCD 186-202
222.2

CABLE GLAND "PG13.5"
20 | 9 | 58

FITTING HOLES

QWCD series

LED Strobe Signal Light and Electric Horn Combinations

Qlight

IP66 | -30~+60℃ | -50~+60℃ | HORN | 115dB | 123dB
-20~+50℃ | SD mp3 | 113dB | 118dB | NPN | RoHS

QWCD50T series

Wiring Instructions

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

QWCDT-DC/AC

External Contract

Red(R)
Amber(A) — Ch1
Green(G) — Ch2
Blue(B) — Ch3
White(W) — Ch4
Black(BK) — Ch5
Common
White(W)
Black(BK) — Fuse — ⊕ ⊖ Power

External Transistor-NPN

Red(R)
Amber(A) — Ch1
Green(G) — Ch2
Blue(B) — Ch3
White(W) — Ch4
Black(BK) — Ch5
Common
White(W)
Black(BK) — Fuse — ⊕ ⊖ Power

• Wiring to external contact and transistor
• Wiring to transistor, use the NPN transistor
• Power line standard UL1015 AWG18(0.75sq)×2C 400mm
• Signal line standard 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 Page 144 for set of channel input(If wiring is changed by channel selection switch).

Customization

• External sound selection line(Model number : -LC)

Ordering Specification

QWCD50T	-	110/220	-	R	-	LC
[Model number]		[Voltage]		[Color]		[sound selection]

• QWCD50T
• QWCD50TSD

• 12/24
  -DC12V-24V
• 110/220
  -AC110V-220V

• R-Red
• A-Amber
• G-Green
• B-Blue

• (Blank)
  -Standard type
• LC Type
  -Uses external contact