QWCD series

LED Strobe Signal Light and Electric Horn Combinations

Qlight

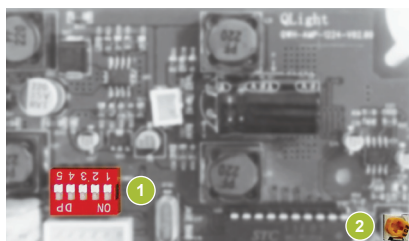## A new concept of using the horn cover as a light globe

QWCD series is a patented product with an integrated horn and light globe.
(Patent registration : 10-1452447 horn having a light emitting part)

QWCD series	
QWCD35	Built−in standard sound
QWCD35SD	MP3(SDcard)
QWCD50	Built−in standard sound, large output sound
QWCD50SD	SDcard(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 SDcard
- 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)
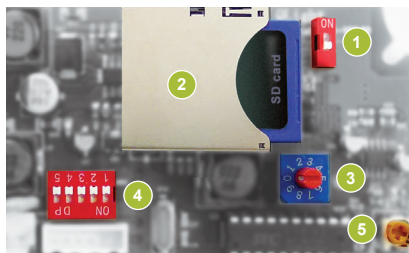
Built-in sound type

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.
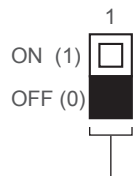
SDcard(MP3) type

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

The sound selection method of SDcard type

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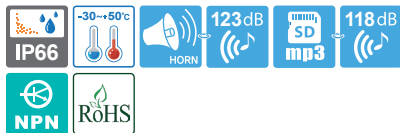
ON (1)
OFF (0)

The sound selection
0 : Select built-in sound
1 : Select SDcard

- 31 built-in special warning sounds
- Supports SDcard (MP3)
- Binary Input : 31Ch
- Bit Input : 5Ch (SDcard only)
- A multifunctional product that can play MP3 files using an SDcard
- Please refer to page 24 for detailed settings
- Built-in sound is set to #1 as default

QWCD series

LED Strobe Signal Light and Electric Horn Combinations

Qlight

IP66

-30~+50℃

123dB HORN

SD mp3

118dB

NPN

RoHS

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

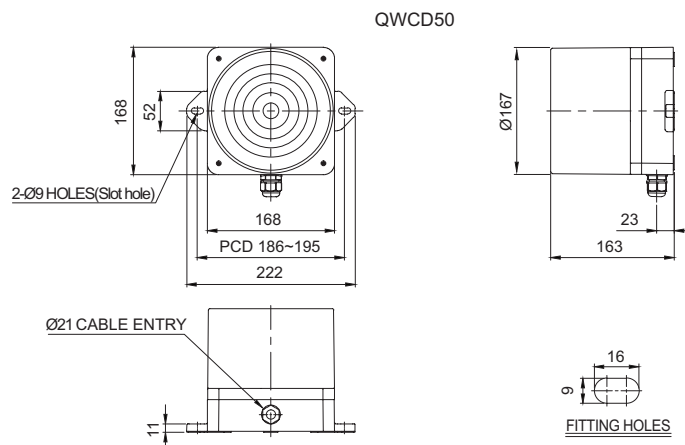- **Combination of 31 sound options built in and SD Card(MP3) option**

QWCD50 series

QWCD50 LED Strobe Light and Electric Horn Combination

Model number	Voltage	Current	Sound Pattern and Volume	Certificates	Weight	Color
QWCD50 Built-in standard sound	DC12V	2.025A	• Bit Input : 5Ch (SDcard) • Binary Input : 31Ch • Warning Sounds : 123dB • MP3 Messages : 118dB	CE DC Only	2.40kg	● R-Red
	DC24V	1.150A		UL DC Only	2.40kg	● A-Amber ● G-Green
QWCD50SD MP3	AC110V-220V	Max 0.600A			2.45kg	● B-Blue

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

Technical Diagram
(Units : mm)

QWCD50

168
52
2-Ø9 HOLES(Slot hole)
168
PCD 186~195
222

Ø167
23
163

Ø21 CABLE ENTRY
11

16
9
FITTING HOLES
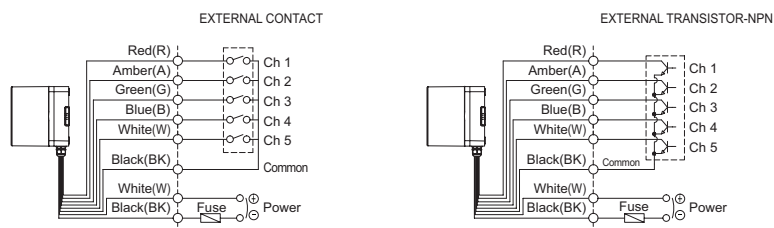
Wiring Instructions

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

QWCD-DC/AC

EXTERNAL CONTACT

Red(R) — Ch 1
Amber(A) — Ch 2
Green(G) — Ch 3
Blue(B) — Ch 4
White(W) — Ch 5
Black(BK) — Common
White(W)
Black(BK) — Fuse — Power

EXTERNAL TRANSISTOR-NPN

Red(R) — Ch 1
Amber(A) — Ch 2
Green(G) — Ch 3
Blue(B) — Ch 4
White(W) — Ch 5
Black(BK) — 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 30 sound tones output

* Please refer to Page 24 for set of channel input.
 (If wiring is changed by channel selection switch)

Customization

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

Ordering Specification

QWCD50	-	110/220	-	R	-	LC
[Model number]		[Voltage]		[Color]		[sound selection]

- QWCD50
- QWCD50SD

- 12-DC12V
- 24-DC24V
- 110/220
  -AC110V-220V

● R-Red
● A-Amber
● G-Green
● B-Blue

• Standard
  -Built-in switch
• LC
  -External contact