QWCD series

LED Strobe Signal Light and Electric Horn Combinations

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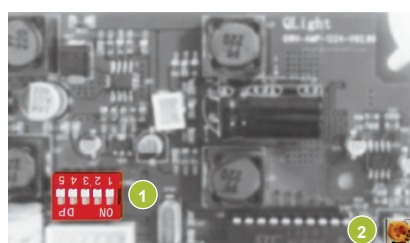
QWCD series is an integrated horn and light globe.

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)

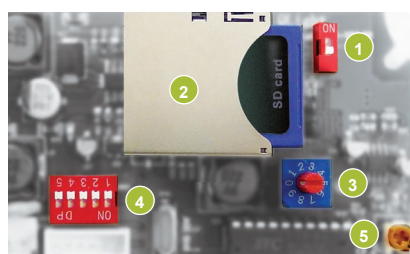### Built-in sound type

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.
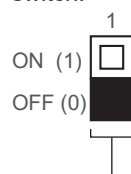
SD Card(MP3) type

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

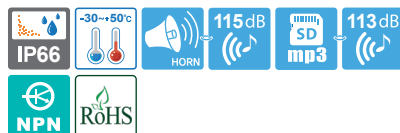### The sound selection method of SD Card type

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~+50℃** | **115dB HORN** | **SD mp3** | **113dB**

NPN | **RoHS**

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

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

QWCD35 series

ⓘ **Common Specifications(QWCD35/ QWCD35SD/ QWCD50/ QWCD50SD)**

- Easy device customization with built in sound selection function, volume adjustment function and an SD Card slot for user inputted tones
- 31 available tones that can be selected for a variety of environments
- The user can select their own tones by inputting the MP3 file directly into the SD Card
- 31 pre-recorded tones available via binary input
- Suitable for use in environments that require a tight seal and superior dust protection rated IP66
- Easy wiring though external terminal box
  (QWCD35T, QWCD35TSD, QWCD50T, QWCD50TSD)
- Flashing rate : 60-80 flashes/min
- Materials : Horn-PC, Body-PC+ABS
- Ambient operating temperature : -50°C to +60°C(Standard type)
                                   -20°C to +50°C(SD Card type)
- Protection Rating : IP66
- Certificates : CE Compliant, UL Listed, CCS
- Compliant with RoHS directive

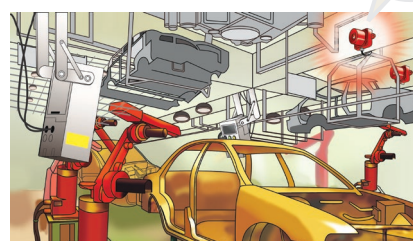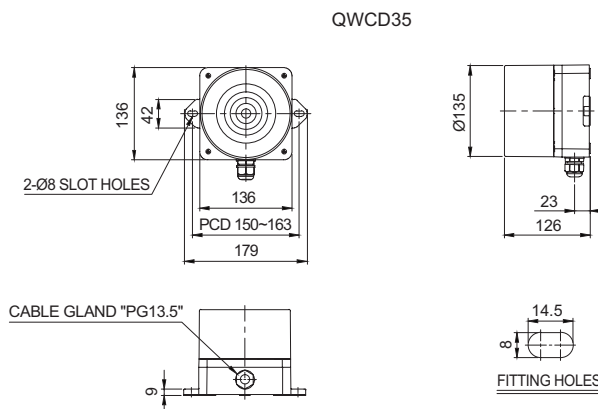### 🔅 QWCD35 LED Strobe Signal Light and Electric Horn Combination

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: 115dB • MP3 Messages : 113dB	CE CCS UL DC only	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				

※ 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)

QWCD35

136 | 42 | Ø135
2-Ø8 SLOT HOLES | 136 | 23
PCD 150~163 | 126
179

CABLE GLAND "PG13.5" | 14.5 | 8
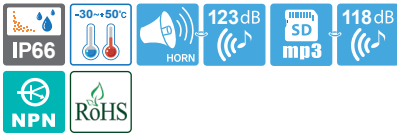9 | FITTING HOLES

🔅 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-24V	Max.5.450A	• Bit Input : 5Ch (SD Card) • Binary Input : 31Ch • Warning Sounds: 123dB • MP3 Messages : 118dB	CE UL DC only	2.70kg	● R-Red ● A-Amber ● G-Green ● B-Blue
	AC110V-220V	Max.0.900A				
QWCD50SD MP3	DC12V-24V	Max.3.800A			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.

QWCD35 model applied in an automobile production plant environment.

QWCD series

LED Strobe Signal Light and Electric Horn Combinations

Qlight

IP66 | -30~+50℃ | HORN | 123 dB | SD mp3 | 118 dB

NPN | RoHS

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

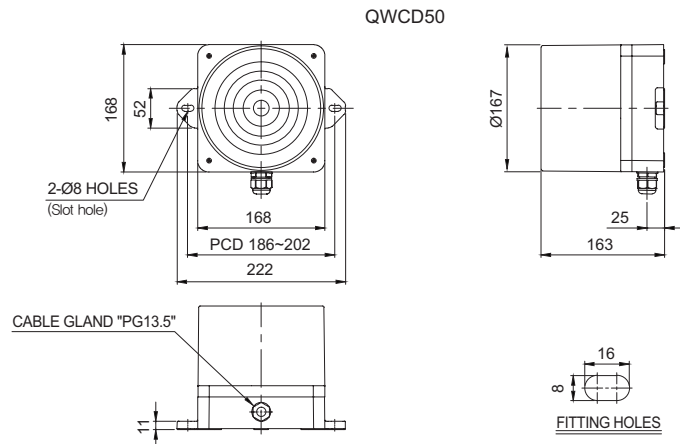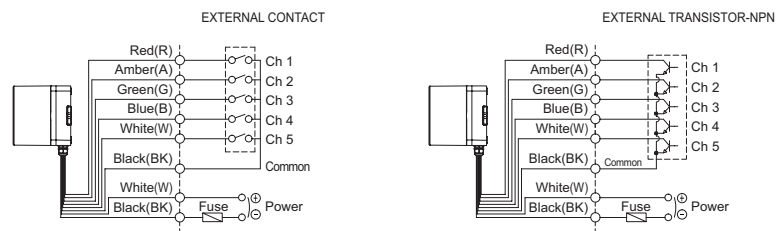- **Combination of 31 sound options built in and SD Card(MP3) option**

QWCD50 series

Technical Diagram   (Units : mm)

QWCD50

168
52
2-Ø8 HOLES
(Slot hole)
168
PCD 186~202
222

Ø167
25
163

CABLE GLAND "PG13.5"
11

16
8
FITTING HOLES

Wiring Instructions

• Standard specification : Uses internal switches
• Customization : Uses 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 31 sound tones output

* Please refer to Page 146 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	• 12/24 -DC12V-24V • 110/220 -AC110V-220V	● R-Red ● A-Amber ● G-Green ● B-Blue	• (Blank) -Standard type • LC Type -Uses external contact

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