# QWCD LED Strobe Signal Light & Electric Horn Combinations

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

## ADVANTAGES

- By using the horn cover as a light globe, the size of the product has been reduced significantly.

- Available in 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 an external SD Card.

- Easily setup the sounds using a PC.

- Polycarbonate horn cover is durable and weather resistant.

- Ideal for heavy-duty, ship, or outdoor applications requiring waterproof & dust-proof protection (IP66).

| 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 |

## COMMON SPECIFICATIONS

- Easily customised with built-in sound selection function, volume adjustment function, and an SD Card slot for user inputted tones.

- 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

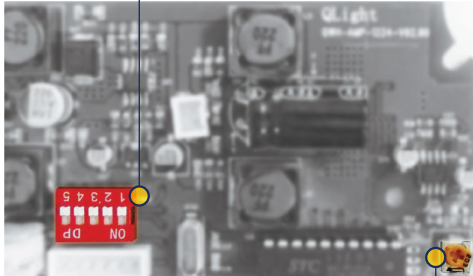- Certificates: CE Compliant, UL Listed, CCS

- Compliant with RoHS directive.

## GET IN TOUCH

1300 881 876    sales@pacificautomation.com.au
**pacificautomation.com.au**

## BUILT-IN SOUND TYPE
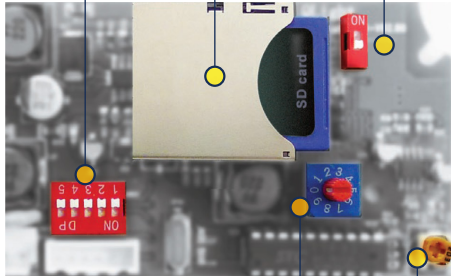
sound selection switch



volume

## SD CARD(MP3) TYPE

MP3 playable SD Card

sound selection switch          sound setting switch



play mode setting switch          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.

## THE SOUND SELECTION METHOD OF SD CARD TYPE

ON (1)
OFF (0)

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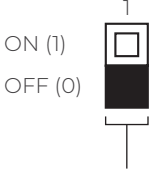
**The sound selection**
0 : Select built-in sound
1 : Select SD Card

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

## SPECIFICATIONS

### QWCD35 SERIES

| 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 | Red Amber Green Blue |
| | AC110V-220V | MAX.0.350A | | | | |
| QWCD35SD MP3 | DC12V-24V | MAX.1.200A | | | 1.15kg | |
| | AC110V-220V | MAX.0.310A | | | | |

IP66
-30~+50℃
NPN
RoHS

115dB HORN

### QWCD50 SERIES

| 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 | Red Amber Green Blue |
| | AC110V-220V | MAX.0.900A | | | | |
| QWCD50SD MP3 | DC12V-24V | MAX.3.800A | | | 3.00kg | |
| | AC110V-220V | MAX.0.720A | | | | |

IP66
-30~+50℃
NPN
RoHS

123dB SD mp3

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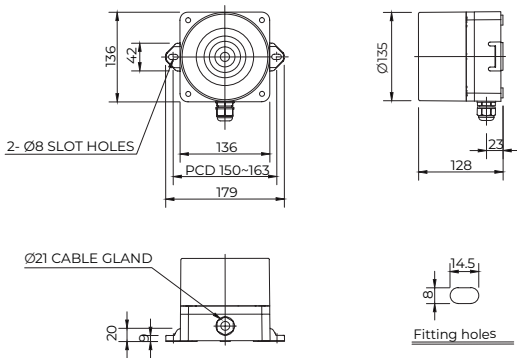\* AC type model has a free-voltage range of 100V-240V

## GET IN TOUCH

# TECHNICAL DIAGRAM

## QWCD35 / QWCD35SD



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

Ø21 CABLE GLAND
20
Fitting holes
14.5
8

## QWCD50 / QWCD50SD



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

Ø21 CABLE GLAND
20
11
Fitting Holes
16
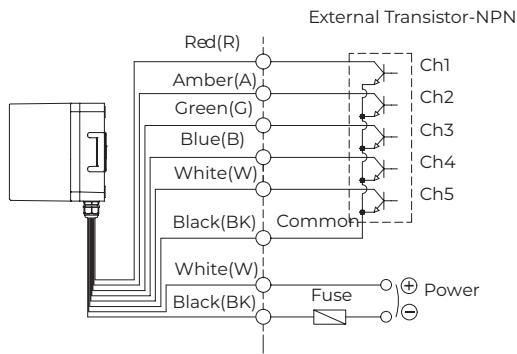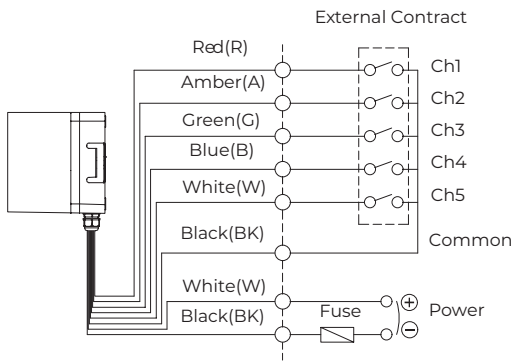8
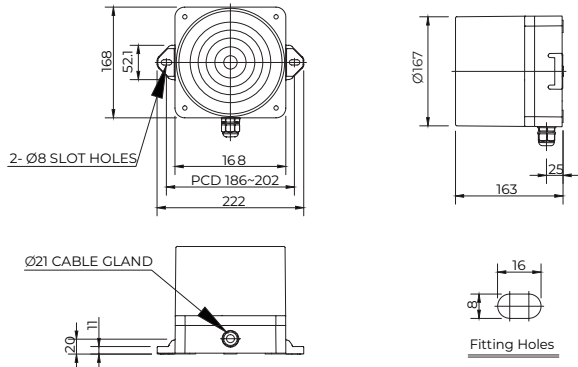
# WIRING INSTRUCTION

- Standard specification: Uses internal switches
- Customization: Uses external contact
- 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 in the manual for set of channel input.
(If wiring is changed by channel selection switch)

**External Contract**



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

**External Transistor-NPN**



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

## CUSTOMISATION: External sound selection line (Model number: -LC)

# ORDERING SPECIFICATION

| QWCD50 | 110/220 | R | LC |
|---|---|---|---|
| **MODEL NUMBER** | **VOLTAGE** | **COLOR** | **SOUND SELECTION** |
| QWCD50<br>QWCD50SD | • 12/24 = DC12V - 24V<br>• 110/230 = AC110V-220V | • R = Red<br>• A = Amber<br>• G = Green<br>• B = Blue | • (Blank) – Standard type<br>• LC Type – Uses external contact |