# LED Strobe Signal Beacon and 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 built-in 31 sounds and MP3(SD Card)**
· **High-volume buzzer sound (buzzer type)**

## Qlight's exclusive innovative 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).

**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 |

## 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.
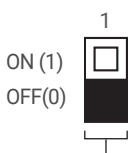
## Built-in sound type
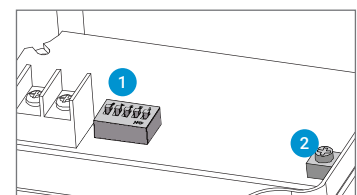


1 Sound selection switch
2 Volume

## SD Card(MP3) type



1 Sound setting switch
2 MP3 playable SD Card slot
3 Play mode setting switch
4 Sound selection 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 witch.
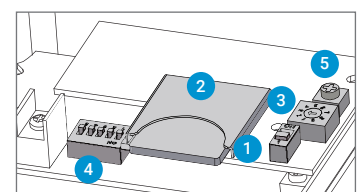
ON (1)
OFF(0)

**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.

# LED Strobe Signal Beacon and Electronic Sounder Combinations

## QWCD Series

**QWCD35 Series**

**QWCD50 Series**

### 🔔 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.1.35A | ·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.350mA | | | | |
| QWCD35SD MP3 | DC12V-24V | Max.1.35A | | | 1.15kg | |
| | AC110V-220V | Max.350mA | | | | |

※ 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.4.65A | ·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.900mA | | | | |
| QWCD50SD MP3 | DC12V-24V | Max.4.65A | | | 3.00kg | |
| | AC110V-220V | Max.900mA | | | | |

※ DC type model has a free-voltage range of 10V-30V.
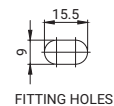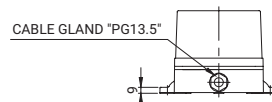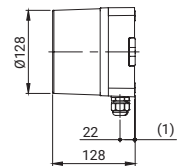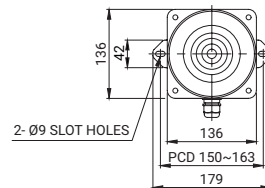※ AC type model has a free-voltage range of 100V-240V.
※ UL Listed: DC12V-24V
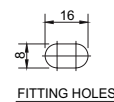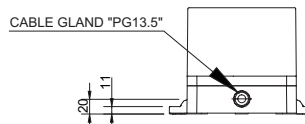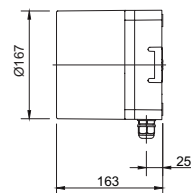※ When playing MP3 files, there may be difference of volume depending on user's audio file type.
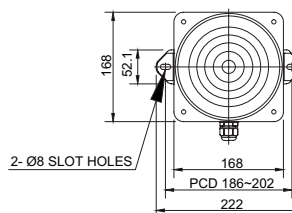
### Technical Diagram
Units: mm

**·QWCD35 / QWCD35SD**

136
42
2- Ø9 SLOT HOLES
136
PCD 150~163
179

Ø128
22
(1)
128

CABLE GLAND "PG13.5"
9

15.5
9
FITTING HOLES

**·QWCD50 / QWCD50SD**

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

Ø167
163
25

CABLE GLAND "PG13.5"
20
11

16
8
FITTING HOLES

### Customization

· External threading of signal line for sound selection(Model number: −LC)
· Support for CAN communication type products(QWCD35 DC only)
· Cold-resistance type(DC type only)

### 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]
None-Standard type
LC Type-Uses external contact

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

| IP66 | HORN | +50℃ -30℃ | 115dB | 123dB | MP3 (SD) | +50℃ -20℃ | 112dB | 115dB | NPN | RoHS |

## 🔔 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. 1.35A | ·Bit Input: 5Ch(SD Card) ·Binary Input: 31Ch ·Warning Sounds : Max.115dB (Based on Ch31) ·MP3: Max.112dB | CE UL | 1.30kg | ● R-Red ● A-Amber ● G-Green ● B-Blue |
| | AC110V-220V | Max. 350mA | | | | |
| QWCD35TSD Terminal box equipped type MP3 | DC12V-24V | Max. 1.35A | | | 1.35kg | |
| | AC110V-220V | Max. 350mA | | | | |

※ UL Listed: DC12V-24V

## 🔔 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. 4.65A | ·Bit Input: 5Ch(SD Card) ·Binary Input: 31Ch ·Warning Sounds : Max.123dB (Based on Ch16) ·MP3: Max.115dB | CE UL | 3.10kg | ● R-Red ● A-Amber ● G-Green ● B-Blue |
| | AC110V-220V | Max. 900mA | | | | |
| QWCD50TSD Terminal box equipped type MP3 | DC12V-24V | Max. 4.65A | | | 3.40kg | |
| | AC110V-220V | Max. 900mA | | | | |

※ 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.

### Technical Diagram
Units: mm

**·QWCD35T / QWCD35TSD**

190 136 42 · 2- Ø9 SLOT HOLES · 136 · PCD 150~163 · 179 · Ø128 · 23 · 56 · (1) · 128

CABLE GLAND "PG13.5"
9 · 56

15.5 · 9
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
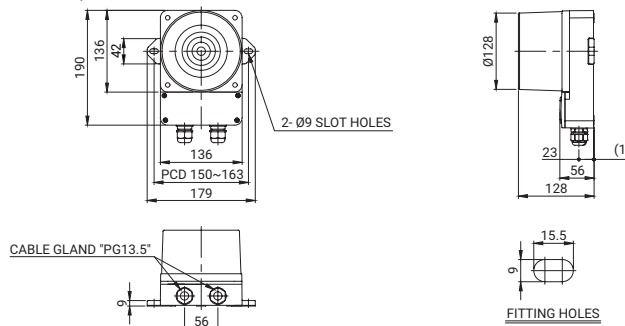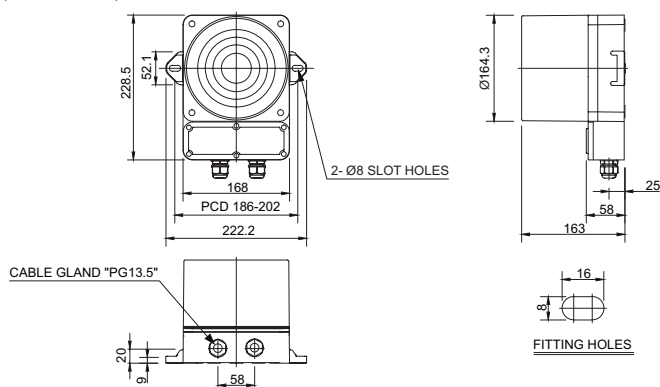
### Ordering Specification

| QWCD35T | - | 110/220 | - | R | - | LC | - | INSD |
|---|---|---|---|---|---|---|---|---|

| [Model number] | [Voltage] | [Color] | [sound selection] | [Including SD card] |
|---|---|---|---|---|
| QWCD35T | 12/24-DC12V-24V | ● R-Red | None-Standard type | None-Without SD card |
| QWCD35TSD | 110/220-AC110V-220V | ● A-Amber | LC Type-Uses external contact | INSD-Including SD card |
| QWCD50T | | ● G-Green | | |
| QWCD50TSD | | ● B-Blue | | |

**Allows for easy wiring with terminal box and 2 cable gland equipped**



**QWCD35T Series**



**QWCD50T Series**

### Customization

· External threading of signal line for sound selection(Model number: −LC)
· Support for CAN communication type products(QWCD35T DC only)
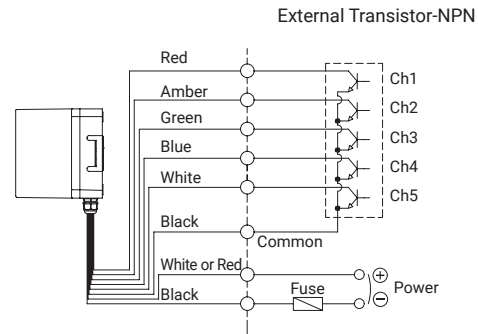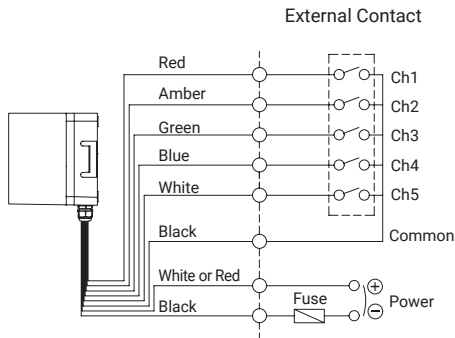· Cold-resistance type(DC type only)

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# QWCD Series

## Wiring Instructions

· Standard specification: Uses internal switches

· Customization: Uses external contact

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

External Contact

Red
Amber
Green
Blue
White
Black
Ch1
Ch2
Ch3
Ch4
Ch5
Common
White or Red
Black
Fuse
Power

External Transistor-NPN

Red
Amber
Green
Blue
White
Black
Ch1
Ch2
Ch3
Ch4
Ch5
Common
White or Red
Black
Fuse
Power

· 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)