QWCD series

LED Strobe Signal Light and Electric Horn Combinations

Qlightec

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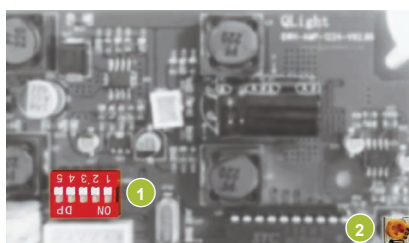
QWCD series is an integrated horn and light globe.

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

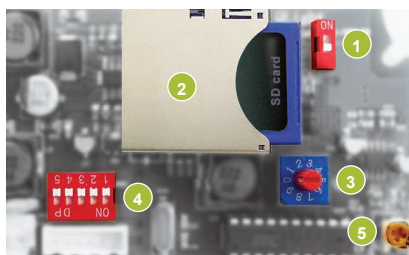1. Sound selection switch
2. Volume

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.
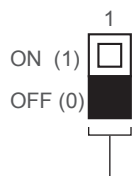
SD Card(MP3) type

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 138 for detailed settings
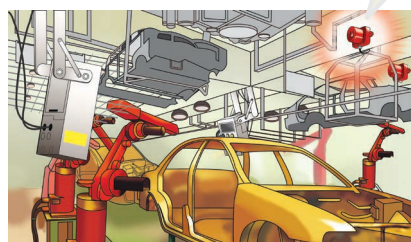- Built-in sound is set to #1 as default

QWCD series
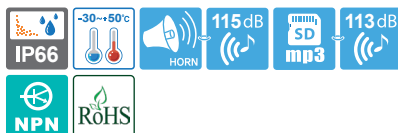
LED Strobe Signal Light and Electric Horn Combinations

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

QWCD35 model applied in an automobile production plant environment.

ℹ️ **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
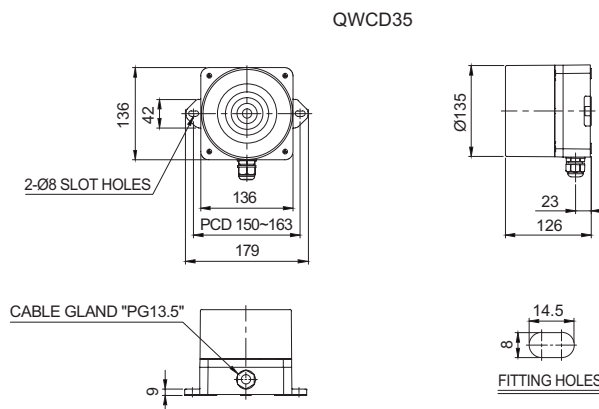- Compliant with RoHS directive

🔆 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	1.10kg	• R-Red • A-Amber • G-Green • B-Blue
	AC110V-220V	Max. 0.350A				
QWCD35SD MP3	DC12V-24V	Max. 1.200A		UL DC only	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.
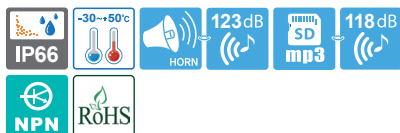
📐 Technical Diagram (Units : mm)

QWCD35

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

CABLE GLAND "PG13.5" | 9 | 14.5 | 8 | 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. 4.700A	• Bit Input : 5Ch (SD Card) • Binary Input : 31Ch • Warning Sounds: 123dB • MP3 Messages : 118dB	CE	2.70kg	• R-Red • A-Amber • G-Green • B-Blue
	AC110V-220V	Max. 0.800A				
QWCD50SD MP3	DC12V-24V	Max. 3.300A		UL DC only	3.00kg	
	AC110V-220V	Max. 0.650A				

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

QWCD series

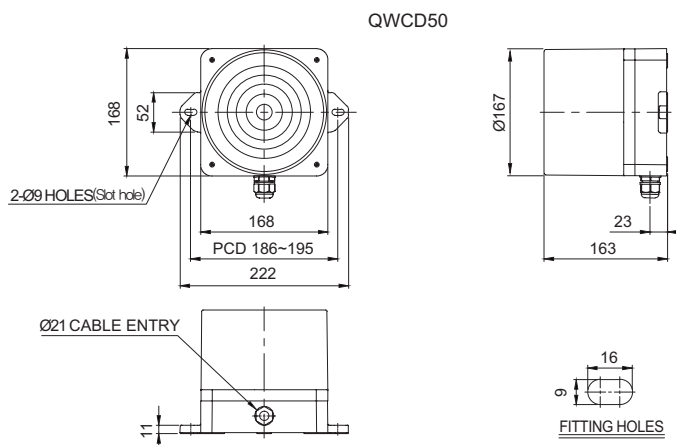## LED Strobe Signal Light and Electric Horn Combinations

Qlightec

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

NPN | RoHS

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

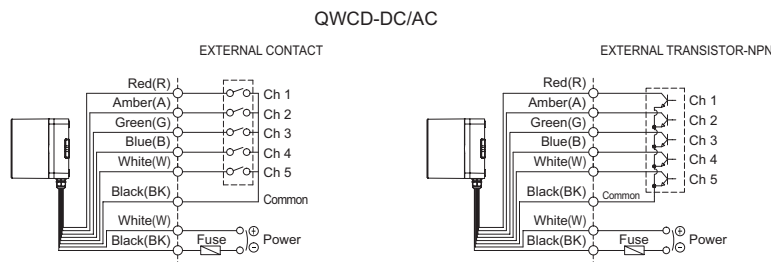- **Combination of 31 sound options built in and SD Card(MP3) option**

QWCD50 series

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 : 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 138 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

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)
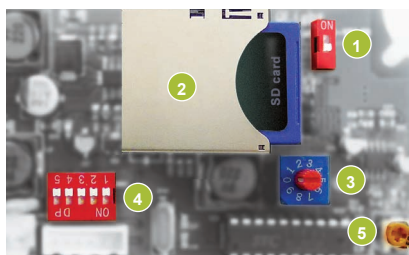
Built-in sound type

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.
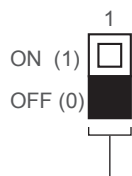
SD Card(MP3) type

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

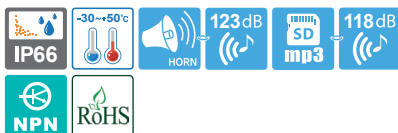### The sound selection method of SD Card type

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 138 for detailed settings
- Built-in sound is set to #1 as default

Qlightec

LED Strobe Signal Light and Electric Horn Combinations

IP66 | -30~+50℃ | HORN 123dB | 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**
- **Allows for easy wiring with terminal box and 2 cable gland equipped**
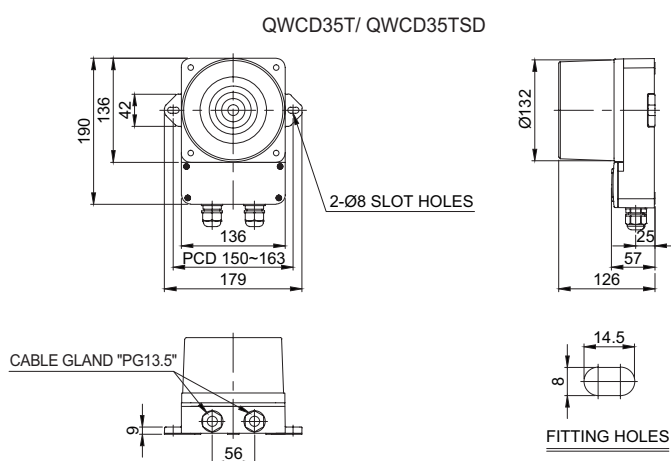

QWCD35T series

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.
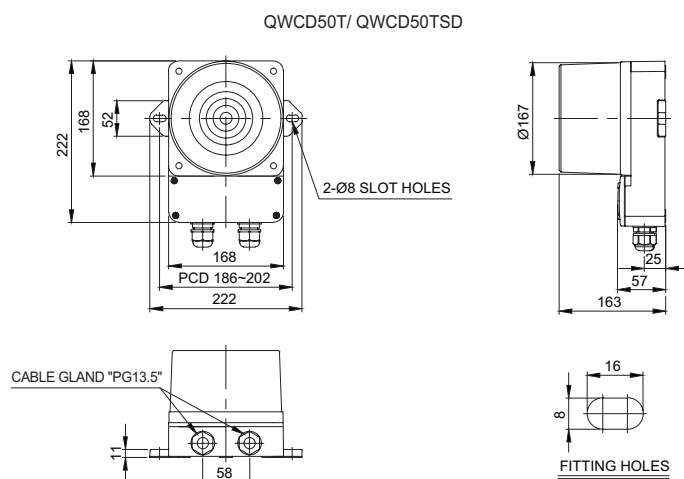
Technical Diagram (Units : mm)

QWCD35T/ QWCD35TSD

190 136 42
Ø132
2-Ø8 SLOT HOLES
136
PCD 150~163
179
25
57
126

CABLE GLAND "PG13.5"
9
56

14.5
8
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. 4.700A	• 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. 0.800A				
QWCD50TSD Terminal box quipped type MP3	DC12V-24V	Max. 3.300A			3.40kg	
	AC110V -220V	Max. 0.650A				

※ 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

222 168 52
Ø167
2-Ø8 SLOT HOLES
168
PCD 186~202
222
25
57
163

CABLE GLAND "PG13.5"
11
58

16
8
FITTING HOLES

QWCD series

LED Strobe Signal Light and Electric Horn Combinations

Qlightec

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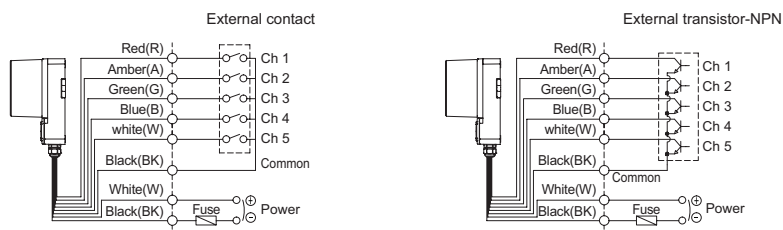- **Allows for easy wiring with terminal box and 2 cable gland equipped**

QWCD50T series

Wiring Instructions

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

QWCD35T-DC/AC

External contact

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

External transistor-NPN

Red(R)
Amber(A) — Ch 1
Green(G) — Ch 2
Blue(B) — Ch 3
white(W) — Ch 4
Black(BK) — Ch 5
White(W) — Common
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 138 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