QWCD Series

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



- **Combination of built-in 31 sounds and MP3(SD Card)**
- **High-volume buzzer sound (buzzer type)**

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)

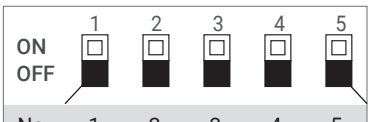
Qlight's exclusive innovative design the horn cover emits light!

- 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 play up to 31 sounds by saving MP3 files on SD card
- 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

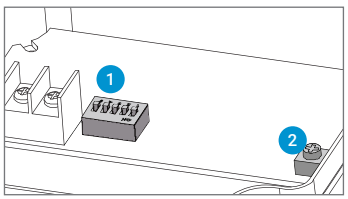
The input method of built-in sound type



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.

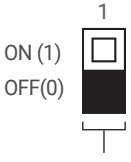
Built-in sound type



1. Sound selection switch
2. Volume

The sound selection method of SD Card type

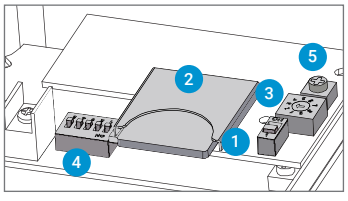
· Can easily select built-in sound or external sound(MP3) by using the sound selection switch.



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.

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

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 ·Built-in 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

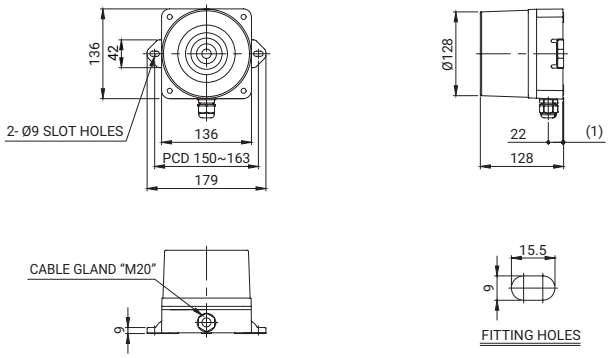
Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
QWCD50 Built-in standard sound	DC12V-24V	Max.4.65A	·Bit Input: 5Ch(SD Card) ·Binary Input: 31Ch ·Built-in Sounds : Max.123dB (Based on Ch16) ·MP3: Max.115dB	CE UL	2.70kg	R-Red A-Amber G-Green B-Blue
	AC110V-220V	Max.900mA				
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.

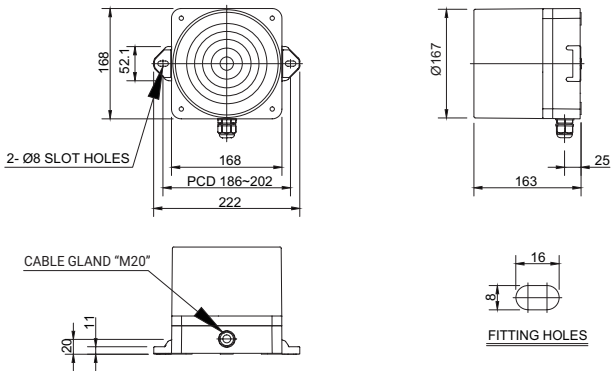
Technical Diagram

Units: mm

·QWCD35 / QWCD35SD



·QWCD50 / QWCD50SD



Customization

· External threading of signal line for sound selection(Model number: –LC)
· Cold-resistance type(DC type only)

Ordering Specification

QWCD50	-	110/220	-	R	-	LC	-	INSD
[Model number]		[Voltage]		[Color]		[sound selection]		[Including SD card]
QWCD35 QWCD35SD QWCD50 QWCD50SD		12/24 -DC12V-24V 110/220 -AC110V-220V		R-Red A-Amber G-Green B-Blue		None-Standard type LC Type-Uses external contact		None-Without SD card INSD-Including SD card

IP66 | HORN | +50℃ -30℃ | 115dB | 123dB | MP3 | +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 Built-in sound type	DC12V-24V	Max. 1.35A	·Bit Input: 5Ch(SD Card) ·Binary Input: 31Ch ·Built-in 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

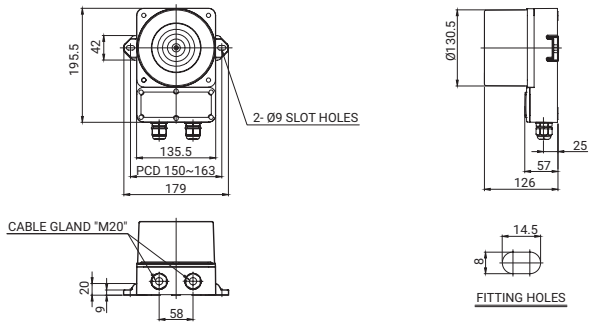
Model number	Voltage	Current	Sound pattern and volume	Certificates	Weight	Color
QWCD50T Terminal box equipped type Built-in sound type	DC12V-24V	Max. 4.65A	·Bit Input: 5Ch(SD Card) ·Binary Input: 31Ch ·Built-in Sounds : Max.123dB (Based on Ch16) ·MP3: Max.115dB	CE UL	3.10kg	R-Red A-Amber G-Green B-Blue
	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.

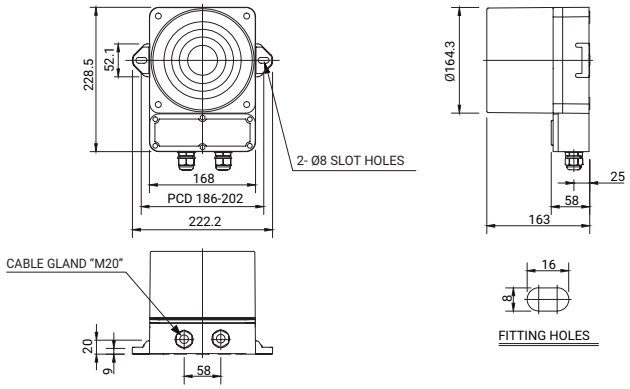
Technical Diagram

Units: mm

·QWCD35T / QWCD35TSD



·QWCD50T / QWCD50TSD



Ordering Specification

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

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)
· Cold-resistance type(DC type only)