CE

Patent No.2009 2 0068565.8
Patent No.2009 3 0094515.2

Mounting Dimension (Unit: mm)
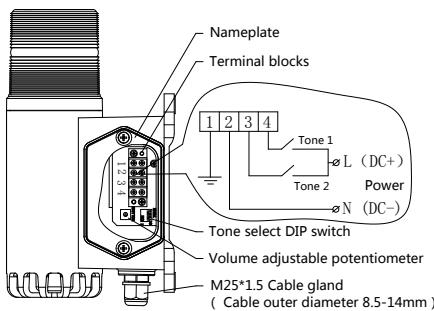
167
130

4-Ø10.5
175
286
108

Wiring Diagram

Nameplate
Terminal blocks

1 2 3
Power
L (DC+)
N (DC−)
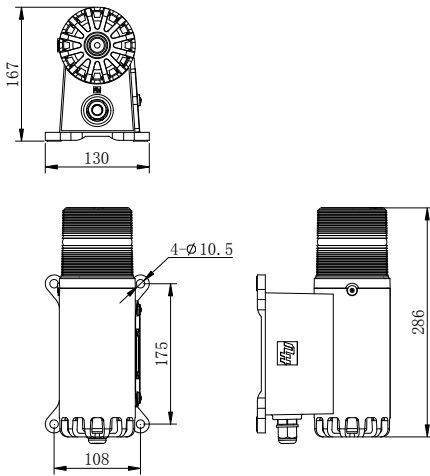
Tone select DIP switch
Volume adjustable potentiometer
M20*1.5 Cable gland
（ Cable outer diameter 6-12.5mm ）
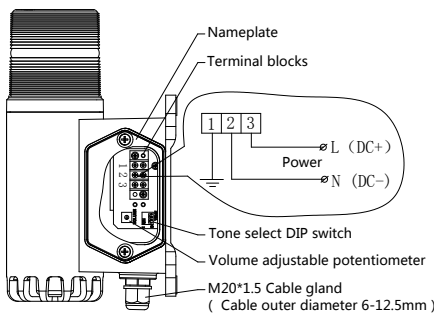
Single tone
(Audible visible synchronized)

Nameplate
Terminal blocks

1 2 3 4
Tone 1
Tone 2
L (DC+)
Power
N (DC−)

Tone select DIP switch
Volume adjustable potentiometer
M25*1.5 Cable gland
（ Cable outer diameter 8.5-14mm ）

Dual tone
(Audible visible synchronized)

Application

Special design for all kinds of engineering machinery (Mobile crane, crawler crane, overhead traveling crane etc.), Port machinery(harbour cranes, gantry crane, etc), Plant (Electronic cabinet), Metallurgies, Chemical industry, Mines and Marine etc.
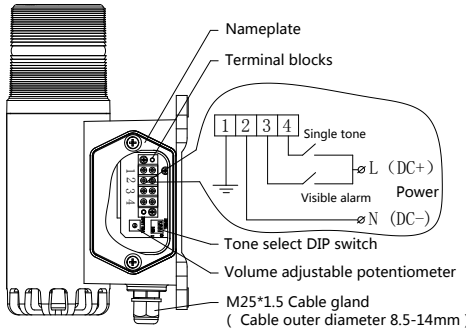
Major Functions & Features

- Die casting aluminum enclosure, providing good appearance, lightweight and corrosion resistant.
- Sealed structure design, dustproof and waterproof.
- Super bright LED technology, life span up to 100,000 hours.
- Fresnel PC housing provides excellent impact resisting strength, thermal stability and gloss.
- Professional integrated circuit design provides strong anti-EMI capability.
- Various tones and adjustable volume for option.

Specifications

Input voltage	AC24V/AC36V/AC110V/AC220V/ AC380V/DC24V (can be customized)		
Frequency	50Hz ~ 60Hz	Rated power consumption	3W~12W
Single Tone	16 kinds (see below tone table)	Sound level	Max. 116dB
Dual Tone	10 kinds (see below tone table)		
Color	Red, Yellow	Volume adjustable	Yes
Alarm mode	Audible visible synchronized / Audible visible separated		
Operating temperature	-30˚C ~ +70˚C	Ambient Humidity	10% ~ 95% (non condensation)
IP rate	IP65	Weight	3.0Kg
Material	Enclosure: Aluminum alloy Housing: PC		
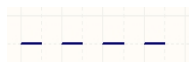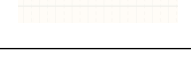
Installation and operation

- Ensure that the input voltage is correct.
- Speaker faces downward and install the product vertically.
- Fix product to mount face by using four nos. M8 screws(not provided), ensure mount face is flat and has enough mechanical strength.
- Loosen two screws from nameplate, remove the nameplate, then you can see terminal blocks.
- Insert the cable through product cable gland, correctly connect power line and control line to terminals according to the indication tags on wires (wiring diagram is provide on the left).
- Ensure cable connection is correct before power on.
- Volume adjustable is available by turning volume adjustable potentiometer.
- See tables below for tone select (see Table 1 for single tone, see Table 2 for dual tones).

Nameplate
Terminal blocks
Single tone
L (DC+)
Visible alarm Power
N (DC−)
Tone select DIP switch
Volume adjustable potentiometer
M25*1.5 Cable gland
(Cable outer diameter 8.5-14mm)

single tone/visible alarm
(Audible visible separated)

Table 1. Tone select for Single tone

| DIP Value	Tone	Power MAX (W)	Level (dB)	Sound wave	Frequency (Hz)
				Single tone	
	A	9	113		800Hz (520ms) 1000Hz (520ms)
	B	9	114		506 - 1200Hz (670ms)
	E	8.5	116		506 - 1200Hz (12s)
	*D	12	115		800Hz (500ms) Silence (500ms)
	Y	8	113		Constant 800Hz
	Bell	8.5	106		Constant 700Hz
	1	11.5	113		800Hz (250ms) Silence (250ms)
	2	9.5	115		(1100Hz (500ms)/Silence 500ms) 7 cycles) (1100Hz (2500ms)/ Silence 500ms)
	3	11.5	114		1250Hz (300ms) 1000Hz (880ms) Silence (1000ms)
	4	8.5	113		200-600Hz(34s)
	5	8	114		1000Hz (70ms) 1200Hz (70ms)
	6	9	113		800 (260ms) 1000 (260ms)
	7	9.3	114		1200Hz-560Hz (1.2s)
	8	9.3	114		506Hz - 1200Hz (1.2s)
	9	9	113		506Hz - 1200Hz (0.45s)
	10	9.3	114		506Hz - 1200Hz (0.7s)

*factory setting

Volume adjustable potentiometer
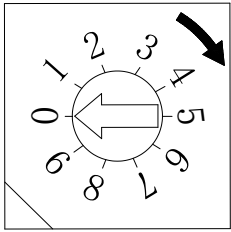
Application

Table 2. Tone select for Dual tones

DIP Value	Dual tones	
	L1(DC24V_1+)	L2(DC24V_2+)
	*B	*A
	E	A
	D	A
	E	B
	D	B
	Y	D
	E	D
	Y	A
	Y	B
	Y	E
	6	D

*factory setting

Volume adjustable

Clockwise turn volume adjustable potentiometer to increase product volume (diagram is provide on the left), maximum volume at "position 9", minimum volume at "position 0".

Notice

- Read these instructions completely and carefully.
- Install and use the product in accordance with this instruction manual.
- Risk of corrosion. Housing material is polycarbonate, not allowed to direct or indirect contact with industrial spirit, banana oil, isopropanol, carbon tetrachloride, cyclohexanone, etc organic solvent.
- Check cable connection if product not work or has malfunction when power on. (Ensure that the power is turned off).
- Feel free to contact with us for any queries.