



AL310U



AL310P

Application

Designed for the operation warning or auxiliary alarming for the hoist machinery, construction machinery, pavement construction machinery and port machinery. Also applied for the facilities of mine, metallurgy, chemical industries, marine or vessels, etc.

Major functions and features

- Aluminium body, impact structure, light weight and excellent corrosion resistance
- Good seal capacity features the superb waterproof and dustproof performance.
- Warning light use ultra bright LED, combined with strobe mode. It is good at warning effect, shock resistance, long life and other characteristics.
- Wall-mounted/plane-mounted to meet various installation requirements and anti-vibration.
- Employ the industrial grade digital and audio chip to guarantee the high stability and EMI
- Model One : Optionally use wiring harness to remotely switch the tones, at most switch 5 tones with its corresponding working state
Model Two : use internal dial switch to set up the tone (16 kinds)

Specifications

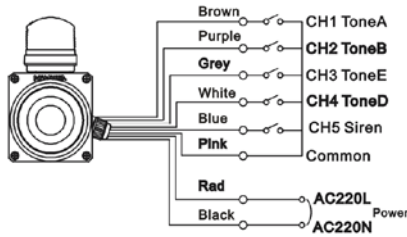
Operating voltage	AC220±10% / DC24V±20% (other can be customized)	Power consumption	20W
Tone	Model 1:A/B/E/D/whistle (optional) remote switchover	Decibel	104 ~ 116dB
	Model 2: 16 kinds of tones (See tone table) dial switch		
Color	Red (body) +Black (Speaker)	Warning mode	Sound and light signal
Operating temperature	-30°C ~ +70°C	IP rate	IP65
Humidity	10% ~ 95% (non coagulation)	Weight	2.2Kg
Material	Aluminum		

Installation

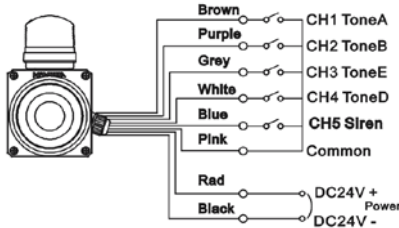
- Please make sure the logo side shall be right above, and then fix it onto the mounting surface which should have enough smoothness and mechanical strength with 4*M6 screws
- The angle between speaker and horizontal plane should be less than 90°. To protect the sound from the water accumulation in the speaker.
- Tone model 1: Connect the power cable and control cable through the cable connector. Refer to the wiring diagram of model 1 and remarks on the cable to make the connection and be ensure the input power is same as the working voltage of the beacon siren. Siren and beacon will work synchronously along with control signal.
- Tone model 2: Take off the front cover. For AC voltage, please refer to Picture 1 and wiring diagram of model 2 (picture A), to make the power cable connected with terminals. For DC voltage, please refer to Picture 1 and wiring diagram of model 2 (picture B) to make the power cable connected with the terminals. There are 4 nos dial switches on the PCB board, corresponding to 16 kinds of tone. Refer to the tone selection table to choice the tone. Be ensure the power voltage is same as the working voltage.
- Refer to below picture 2 to switch over the tone. After selecting model 1, power it on and the indicator light will be on.

Wiring diagram

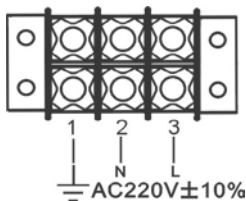
Model 1 (Picture A)



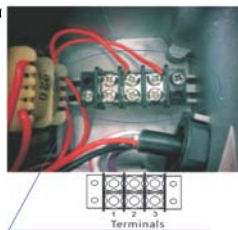
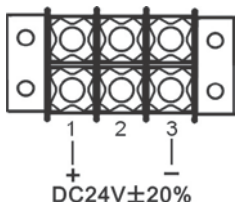
Model 1 (Picture B)



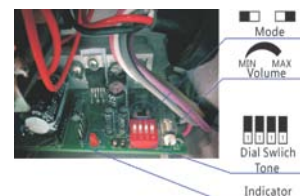
Model 2 (Picture A)



Model 2 (Picture B)

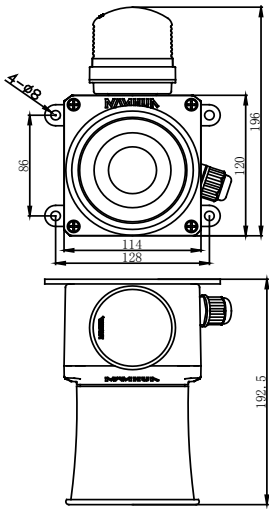


Picture 1

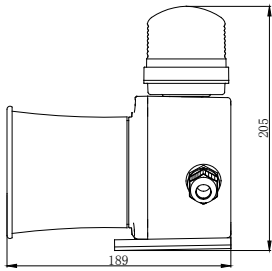


Picture 2

Mounting dimension(unit : mm)



AE310U Mounting dimension



AE310P Mounting dimension

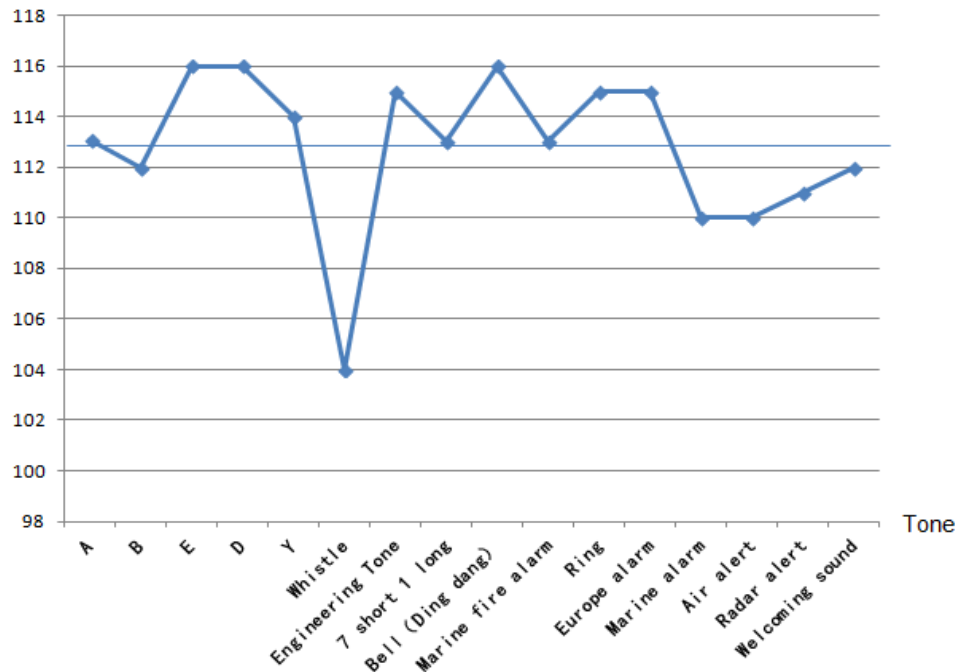


Product Components

Tone Selection table

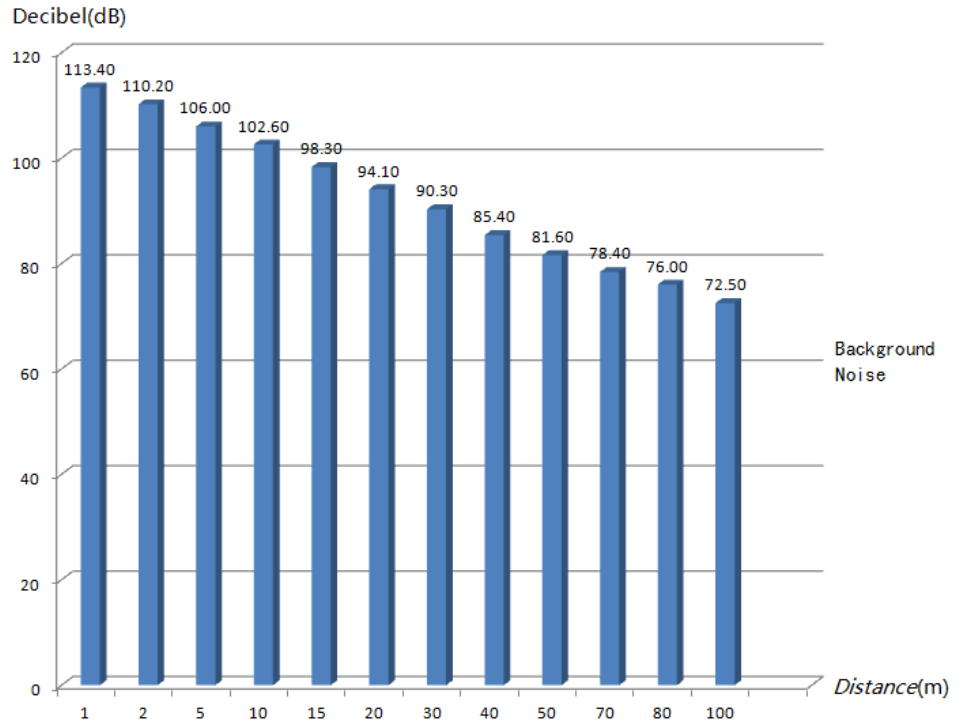
Code	Tone	Code	Tone
0000	A	1000	Bell (Ding dang)
0001	B	1001	Marine fire alarm
0010	E	1010	Ring
0011	D	1011	Europe alarm
0100	Y	1100	Marine alarm
0101	Whistle	1101	Air alert
0110	Engineering Tone	1110	Radar alert
0111	7 short 1 long	1111	Welcoming sound

Decibel(dB)



Decibel and Tone Corresponding Curve

Application:



Decibel and Distance Corresponding Curve

Model selection table

Model	Tone (Mode 1)	Tone (Mode 2)	Installation	Volume adjustability
AE310U	5 kinds (Remote control)	16 kinds (dial switch)	Wall-mounted	Yes
AE310P	5 kinds (Remote control)	16 kinds (dial switch)	Plane-mounted	Yes

Maintenance

- When choose the remote tone switchover, please switch the dial switch to "left side" . Power it on, the red indicator shall be flashing. If the indicator no action, please check the power voltage is normal. If the light is steady on, it means the switchover does not work, please turn the switch to exact position. If the light is flashing but no sound, please check the control cable.
- When choose the dial switch to select the tone,, please switch the dial switch to "right side" . And then power it on, the siren will give out the corresponding tone and the indicator is steady on. If there is no sound and indictor is no action, please check the power supply voltage. If the indicator is steady on but no sound, it indicates a failure arises, please stop using.
- Volume can be adjusted at any time. When the volume adjustor fails, the volume will be in maximum.
- Please clear the speaker and body at fixed period to avoid any obstacle of the sound.

Note:

- The part of material of products is PC(like lamp cover and lamp shell), so it cannot direct or indirect touch the organic solvent, such as industrial alcohol, banana oil, isopropyl alcohol, carbon tetrachloride, cyclohexanone and so on, otherwise, the product will be corroision.Do not install the speaker upwards.Do not mess the power cable and control cable, otherwise, the siren