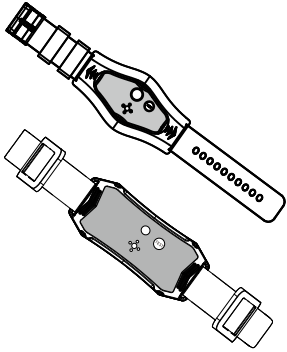


Near Electric Alarm



ES9060 Series User Manual

Guangzhou Zhengneng Electronic Technology Co., LTD

Note: The safety distance is based on "GB26860-2011

Electric Power Safety Work Procedure-Power Plant and Substation Electrical part" and "GB26859-2011 Electric Power Safety Work Procedure-Power line part"

2. Technical parameter

Function		Near electric alarm
Power		CR2032 One button battery
Alarm voltage range		Low voltage: 40-1kV high voltage: 1k~500kV
Alarm distance error		± 10cm23℃ 80%RH benchmark conditions
Working frequency		50Hz/60Hz
Power inspection method		Non-contact type
Battery life		Continuous work: about 24 hours Standby time: about 12 months
The alarm way		Indicator light :8000XL LED light Buzzer :60dB(distance: 60CM)
Wrist type	size	80mmX42mmX30mm
	Weight	Instrument: about 45g (including battery) Total mass: approximately 0.073kg (including accessories)
Arm type safety helmet type	size	87X37X22mm
	weight	Instrument: about 51g (including battery) Total mass: approximately 0.083kg (including accessories)
level of protection		IP54
Working temperature and humidity		-10℃~40℃:under 80%RH
Store temperature and humidity		-10℃~60℃:under 70%RH

*Base condition, refers to the laboratory standard conditions, in practical application, the operating distance error of the alarm will change according to the field situation.

I . Safety rules and precautions

Thank you for buying the company's ES9060 series wrist near-electric alarm, in order to better use this product, please be sure; Read the instruction manual in detail, and strictly follow the safety rules and precautions listed in this manual.

- ◆ This alarm is not a voltage detector. It is forbidden to use this alarm as a voltage detector.
- ◆ Because of the high pressure operation is very dangerous, the operator must be strictly trained and obtained the relevant national high pressure operation certification to use this instrument for field operation.
- ◆ This alarm only provides safety AIDS, do not overestimate the safety guarantee after wearing this alarm.
- ◆ If the alarm keeps the sound and light indication, it may be affected by the surrounding environment, such as strong induced voltage and static electricity around. When the alarm is covered with both hands and shielded from surrounding influences, the alarm operation (sound and light) stops, indicating that the alarm is normal.
- ◆ When the alarm is exposed to strong electric field, the alarm may start automatically, please remove the battery or put the alarm in a sealed storage bag.
- ◆ The use, disassembly and maintenance of the instrument must be authorized by qualified personnel Near electric alarm.
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II . Brief introduction

ES9060 series wrist type, arm type, safety helmet type, near-electric alarm provides a safe, practical and convenient new high-voltage alarm device for near-electric workers. When the operator wears the alarm and approaches the

high-voltage live body at a certain distance, the alarm will send out sound and light alarm according to the corresponding safe distance such as voltage, to remind the electrical staff to pay attention to safety and avoid high-voltage electric shock accidents. ES9060 series near-electric alarm has high voltage alarm (suitable for more than 1kV) and low voltage alarm (suitable for less than 1kV) two types, using non-contact induction technology Accurate alarm, power saving and durable, standby time up to 12 months. Alarm apparatusIt has a unique automatic trigger detection function to ensure the safety of live workers. The alarm is widely used in electric power, railway, industrial and mining enterprises and other near-electric workplaces.

Model category

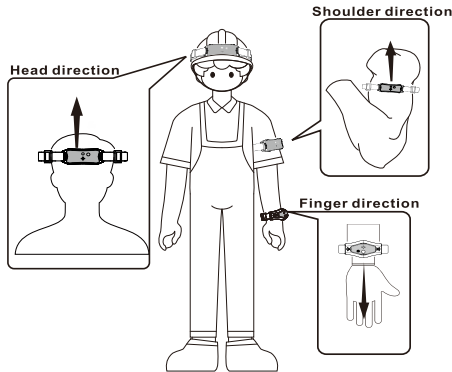
Product name: Near-power alarm	Product model	Alarm voltage range	Application place
Wrist type	ES9060AL	40V~1kV	Low voltage alarm
Arm type	ES9060BL		
Hat type	ES9060CL		
Wrist type	ES9060AH	1kV~500kV	High pressure alarm
Arm type	ES9060BH		
Hat type	ES9060CH		

III . Precautions for use

- 1) The working distance of the alarm will be greatly shortened when it is close to the grounded metal structure (such as the transformer).
- 2) When the alarm is wet by rain, please do not use the alarm in the wet state. At this time, the working distance of the alarm will be greatly shortened, and even the alarm

- 2) To ensure safety, please check the automatic trigger function of the near-electric alarm after confirming the live line. For example, when the alarm comes into contact with the AC220V power line, the alarm will start.
- 3) Live work is dangerous! It must be operated by authorized personnel and strictly abide by safety rules, otherwise there is a risk of electric shock or equipment damage.

VII . Battery replacement



- 1) Press and hold the "TEST" test button for 5 seconds. If the light and sound indicate the state is not stable, please replace the battery with a new one. The battery cover can be removed BY INSERTING THE RANDOMLY SUPPLIED PLASTIC wafer into the battery cover groove on the back of the alarm and then rotating it in the opposite direction of the arrow (reverse needle).

may always send an alarm.

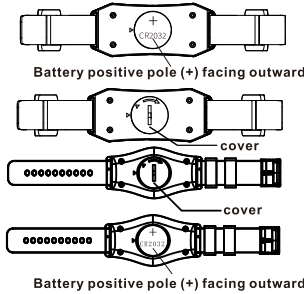
- 3) Please press "TEST" before use to ensure that the alarm function is normal.
- 4) The parts that emit alarm sound are covered with waterproof film, please do not use pins for damage.
- 5) If the alarm has been maintained sound and light indication, it may be affected by the surrounding environment, such as strong induced voltage around, static electricity, etc. When the alarm is covered with both hands and shielded from surrounding influences, the alarm operation (sound and light) stops, indicating that the alarm is normal.

IV . Technical specifications

1. Alarm voltage and distance

Product model	voltage classes	Safe distance	The alarm distance
ES9060AL ES9060BL ES9060CL	40V		5cm
	110V		10cm
	220V		15cm
	600V		40cm
ES9060AH ES9060BH ES9060CH	1KV		60cm
	1KV		0.10m
	6.6KV		0.70m
	10KV	0.70m	1.00m
	35KV	1.00m	1.60m
	66KV	1.50m	2.20m
	110KV	1.50m	2.50m
	220KV	3.00m	3.50m
	330KV	4.00m	4.50m
	500KV	5.00m	5.50m

- 2) The lithium battery makes the "+" mark face out, and it is embedded. Turn the battery cover with the disc in the direction of the arrow (clockwise) and then tighten it.



VIII . Packing list

Alarm apparatus	1PCS	Packing box	1PCS
Button battery CR2032	1PCS	Manual	1PCS
Plastic wafer	1PCS	Warranty card	1PCS

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