



### PRODUCT FUNCTION

- After the operator wear the alarm, when approaching the high-voltage live conductor at a certain distance, the alarm will sound an audible & visual alarm based on the corresponding safety distance according to the voltage level, reminding the electrical workers to pay attention to safety and avoid high-voltage electric shock accidents.

### PRODUCT FEATURES

- Provides a safe, practical, and convenient new style voltage alarm device for high voltage proximity electricity operator, particularly suitable for use in environments with overhead high-voltage lines.
- The alarm is equipped with an elastic clip, which can be firmly fixed to the helmet, and easy to install or remove.
- With two detection and alarm modes: voltage detection alarm (monitoring electric field) and current detection alarm (monitoring magnetic field).
- Adopts non-contact sensing technology and is equipped with a built-in lithium battery. After a full charge, the standby time can last up to 7 days.
- Features high alarm sensitivity with three adjustable levels: weak, medium and strong, meeting users' application requirements in complex electric fields.
- Silent mode: In a strong electric field environment, avoid the interference of alarm sounds.
- All-directional induction voltage power source, automatic trigger detection mode, with sound and light alarm mode, to ensure the safety of high voltage proximity electricity operator.



### ALARM DISTANCE

#### ● Voltage Detection Alarm Distance

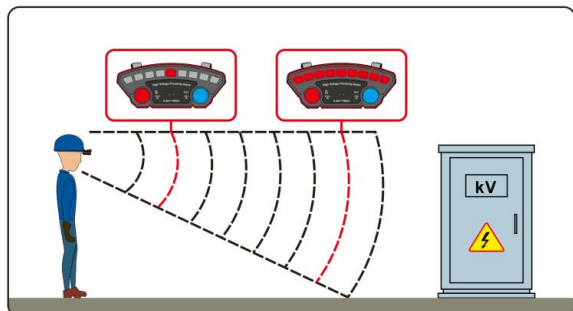
| Voltage Level                              | 0.4kV | 1kV  | 10kV | 35kV | 66kV | 110kV | 220kV | 330kV | 500kV |
|--------------------------------------------|-------|------|------|------|------|-------|-------|-------|-------|
| Max. Alarm Distance<br>(1-bar strength)    | 0.2m  | 0.3m | 2.5m | 3.8m | 4.2m | 5.0m  | 5.8m  | 6.5m  | 7.5m  |
| Min. Alarm Distance<br>(full-bar strength) | 0.01m | 0.1m | 0.6m | 1.3m | 1.6m | 2.0m  | 2.8m  | 3.5m  | 4.5m  |

Note: Alarm distance error range:  $\pm 10\text{cm}$  (10A),  $\pm 20\text{cm}$  ( $>50\text{A}$ ), ( $23^{\circ}\text{C} \pm 1^{\circ}\text{C}$ , 80%RH)

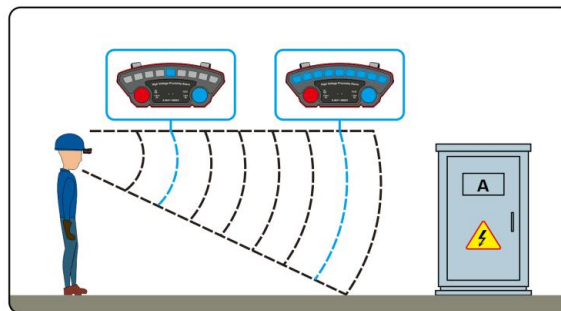
#### ● Current Detection Alarm Distance

| RMS Current                                | 1A   | 10A   | 50A  | 100A | 200A |
|--------------------------------------------|------|-------|------|------|------|
| Max. Alarm Distance<br>(1-bar strength)    | 0.1m | 0.4m  | 0.6m | 1.0m | 1.5m |
| Min. Alarm Distance<br>(full-bar strength) | 0m   | 0.05m | 0.2m | 0.3m | 0.5m |

Note: Alarm distance error range:  $\pm 10\text{cm}$  (10A),  $\pm 20\text{cm}$  ( $>50\text{A}$ ), ( $23^{\circ}\text{C} \pm 1^{\circ}\text{C}$ , 80%RH)



Voltage alarm distance



Current alarm distance

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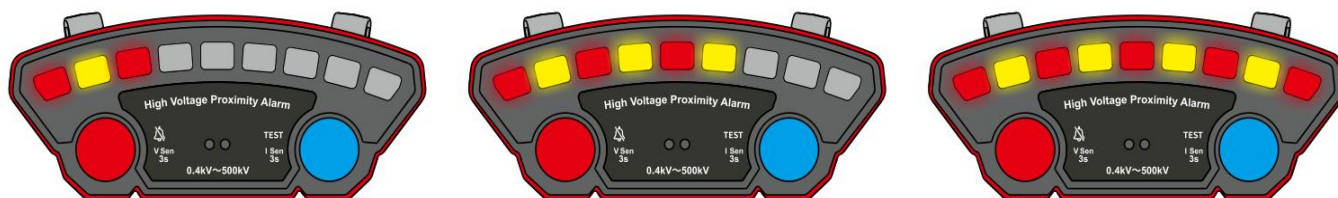
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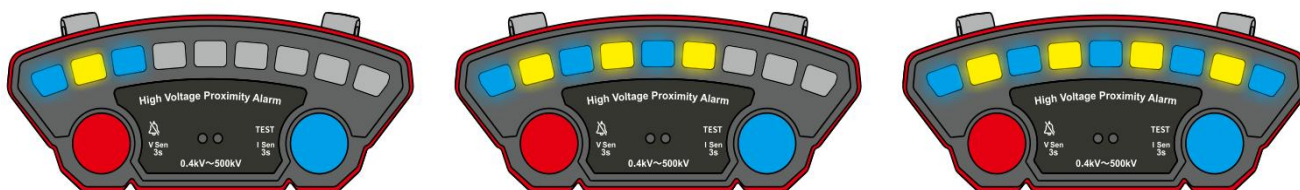
## TECHNICAL SPECIFICATION

|                                     |                                                                                                                                               |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Function                            | Proximity Alarm                                                                                                                               |
| Power Supply                        | Lithium battery, DC 3.7V, 350mAh                                                                                                              |
| Testing Mode                        | Non-contact mode                                                                                                                              |
| Detection Mode                      | Voltage detection: Monitor the electric field in the air<br>Current detection: Monitoring the magnetic field in the air                       |
| Alarm Voltage Range                 | 40V ~ 500KV                                                                                                                                   |
| Alarm Current Range                 | 1A ~ 200A                                                                                                                                     |
| Working Frequency                   | 50Hz / 60Hz                                                                                                                                   |
| Alarm Mode                          | LED light bar: red flashing (voltage alarm), blue flashing (current alarm)<br>Buzzer: 60dB (60cm apart)                                       |
| Self-checking Function              | Check whether the alarm is operating normally                                                                                                 |
| Sensitivity Setting                 | Sensitivity can be set to three levels: low, medium and high. When setting the sensitivity, the LED light bar will display the current level. |
| Progressive Alarm Indication        | The flashing frequency of the LED light bar and the sounding frequency of the buzzer indicate                                                 |
| Voltage Source Direction Indication | The red LED light bar indicates the direction of the voltage source (only voltage detection ).                                                |
| Silent Mode                         | In a strong electric field environment, avoid the interference of the buzzer alarm sound.                                                     |
| Standby Time                        | 7 days (when fully charged)                                                                                                                   |
| Protection Level                    | IP65                                                                                                                                          |
| Battery Power Display               | When the self-check is completed, the LED light bar showing green indicates the battery level                                                 |
| Low Battery Power Display           | When the battery power is reduced to 1 bar, the left side of the LED light bar shows a green flash, reminding the user to charge it in time.  |
| Bluetooth Communication             | Used for setting alarm parameters and observing alarm information                                                                             |
| Weight                              | Approx. 0.22kg (include accessories)                                                                                                          |
| Dimensions                          | 85mm x 35mm x 23mm                                                                                                                            |
| Temperature & Humidity              | Working: - 10℃ ~ 40℃; below 80 % RH, storage: - 10℃ ~ 60℃; below 70 %                                                                         |
| Accessories                         | Alarm*1PC<br>Power adapter*1PC<br>Charging cable*1PC<br>Tool bag*1PC                                                                          |

## ALARM SENSITIVITY SETTING



The LED light bar of the voltage sensitivity range is displayed alternately in red and yellow, with weak range, medium range and strong range



The LED light bar of the current sensitivity range is displayed alternately in blue and yellow, with weak range, medium range and strong range

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