



Product Function

High Voltage Operation Anti-touch Smart Early Warning Device provide an intelligent high voltage close to electrical alarm device for electric working vehicles. When the working vehicle closing to the high-voltage transmission line for a certain distance, the device will send out an alarm signal to remind the operators that the equipment is closing to the high-voltage power, should pay attention to the danger, avoid the crane arm of the working vehicle touch the high-voltage transmission line, and protect the safety of the workers and power facilities.

Product Accessories

High Voltage Operation Anti-touch Smart Early Warning Device is composed of a sensor, an external battery, a receiver, a charger, and a Bluetooth APP. There are magnets on the back of the sensor and the external battery, which can be adsorbed on the front end of the crane arm, or installed on the insulating bucket through the back plate.

Product Features

- 1) Omni-directional electricity testing function: the sensor adopts a planar antenna to detect the environmental electric field in omni-directional of 360°, which can no dead angle for electricity testing.
- 2) Full range of electricity testing: electricity testing voltage: 1kV ~ 500kV, users do not need to select the voltage level gear, to avoid potential safety hazards caused by misoperation.
- 3) Sensitivity selection function: the receiver has 3 gears of high, medium and low. Users can choose the alarm sensitivity. The higher the sensitivity, the farther of the alarm distance, so as to meet the application in complex electric field environment..

| Sensitivity | Alarm Distance | Remark |
|-------------|----------------|--|
| High | Farther | Suitable for requiring a far alarm distance |
| Medium | Modest | Default sensitivity at startup |
| Low | Nearer | Applicable to the requirement of a close alarm distance, but the alarm distance is greater than the minimum safety distance of the (Electric safety working procedures). |

- 4) Boundary alarm function: Boundary alarm is for the user to set the alarm distance when the standard setting distance cannot meet the demand, so as to meet the special requirement of the special site.
 - 5) Sound and light alarm function: When the alarm function is triggered, the alarm indicator light of the receiver flashes continuously, the buzzer emits "beep-beep-beep", and the speaker broadcasts a voice prompt "Electrical and danger, please do not close".
 - 6) Battery power remind function: When the battery power of the sensor and receiver are lower than 6.6V, the receiver will send out a voice prompt "the battery power of the sensor/receiver is low", reminding to replace the battery or charge it as soon as possible.
- Bluetooth communication: After connecting, view the alarm signal or set the alarm sensitivity.

Technical Specifications

1.Voltage Level and Alarm Distance (The safety distance is in accordance with "GB 26860-2011 Electric Power Safety Working Regulations-Electrical Part of Power Plants and Substations" and "GB 26859-2011 Electric Safety Working Regulations-Power Line Part")

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|--------------------------|-----|-----|-----|-----|-----|-----|-----|
| Voltage Level(kV) | 10 | 35 | 110 | 220 | 330 | 500 | 750 |
| Alarm Distance(m) | 0.8 | 1.8 | 2.5 | 3.2 | 4.0 | 5.0 | 8.0 |

2.Technical parameters

| | |
|---------------------------------------|--|
| Power Supply | Sensor: DC 7.4V, 2600mAh; Receiver: DC7.4V,2600mAh |
| Wireless Transmission Mode | 230Mhz |
| Wireless Transmission Distance | 200m(In the open environment) |
| Electricity Testing Range | 1kV~500kV |
| Electricity Testing Mode | Non-contact, Omni-directional electricity testing |
| Alarm Distance Error | ±20cm |
| Receiver Screen | 3.5inch colorful screen; display area: 71mmX53mm |
| Self-inspection Function | Press the "TEST" button, the device will self-inspecting, after inspecting, the alarm light will flash 2 times, and the buzzer will sound 2 times. |
| Device Demision | Receiver: 198mmX108mmX45mm; Sensor: 126mmX92mmX62mm; External battery: 98mmX85mmX46mm |
| Alarm Sensitivity | Hight, medium, low 3 gears |

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| Boundary Alarm | Press "Boundary Alarm" button, set the boundary alarm distance |
| Alarm Mode | Sound and light alarm |
| Battery Power Remind | The sensor and receiver battery voltage are lower than 6.7V, will have voice promp. |
| Communication Outage Remind | When the wireless communication between the sensor and the receiver is interrupted, the receiver will have a voice prompt to remind the user to check the antenna. |
| Protection Level Of The Sensor & Battery | IP65 |
| Bluetooth Communication | Yes |
| Working Temperature & Humidity | Sensor: -40°C~65°C; Receiver: -20°C~55°C; below 80%RH |
| Accessories | Receiver: 1PCS; Sensor: 1PCS; External battery: 2PCS; Power line: 1PCS; Charger: 1PCS; Case: 1PCS; Back plate: 1pcs; Screw:8pcs |

APP boundary alarm interface(Bluetooth App):

