



Product Function

After the operator wears the alarm, and close to the high voltage live body for a certain distance, the alarm will make a sound and light alarm according to the safety distance of the corresponding voltage level to remind the electrical worker to pay attention to safety and avoid high voltage electric shock accident. This product can also be used for line fault detection and electroscope.

Product Feature

1. Provide a safe, practical and convenient new style high voltage alarm device for high voltage approach electric operator.
2. Adopt with non-contact induction technology, alarm accurately, power saving and durable, standby time up to 12 months.
3. All-directional induction voltage power source, automatic trigger detection mode, with sound and light alarm mode, to ensure the safety of near electricity workers.

Technical Specification

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")

Higher voltage levels not described in the corresponding models in the table can generate alarms at a certain distance, but the actual alarm distance error will be larger.

| Model | Voltage Level | Safe distance | Alarm Distance | Model | Voltage Level | Alarm Distance |
|--------|---------------|---------------|----------------|---------|---------------|----------------|
| EM1860 | 0.4kV | | 0.02m | EM1860C | 40V | 5cm |
| | 1kV | | 0.10m | | 110V | 10cm |
| | 6.6kV | | 0.70m | | 220V | 15cm |
| | 10kV | 0.70m | 1.00m | | 600V | 40cm |
| | 35kV | 1.00m | 1.60m | | 1KV | 60cm |
| | 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. Technical Parameters

| | |
|--------------------------|--|
| Power Supply | CR1632 (140mAH) button cell 1PCS |
| Alarm Voltage Range | EM1860: 0.4kV~500kV(high voltage alarm); EM1860C: 40V~1kV(Low voltage alarm) |
| Working Frequency | 50Hz/60Hz |
| Electricity Testing Mode | Non-contact mode |
| Detection Mode | Automatic trigger |
| Alarm Distance Error | ±10cm (under base condition) |
| Battery Life | Continues working (sound and light alarm): about 24 hours |
| | Standby: about 12 months |
| Alarm Mode | Indicator: LED light visibility under 8000LX visible light |
| | Buzzer: above 60dB (60cm apart) |
| Protection Level | IP54 |
| Weight | Meter: 40g (include battery); Total:0.08kg (include accessories) |

| | |
|----------------------------|---|
| Dimensions | 90mmX40mmX35mm |
| Working Temperature | -10°C~40°C; below 80%RH |
| Accessories | Alarm:1PCS; Button cell :1PCS; Plastic Coin (use for replace battery): 1PCS |