



# EK-A187/A187C Arm Type Proximity H/L Voltage Alarm



*The alarm is worn on the upper arm of the outermost overalls of the working personnel, and the front of the alarm is facing the outside.*

## Product Function

After the operator wear the alarm, when proximity 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. This product can also be used for line fault detection and electroscope.

## Product features

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 |
|---------|---------------|---------------|----------------|----------|---------------|----------------|
| EK-A187 | 0.4kV         |               | 0.02m          | EK-A187C | 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 battery 2PCS                                                             |
| Alarm Voltage Range              | EK-A187: 0.4kV~500kV (high voltage alarm)<br>EK-A187C: 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)                                                                 |
| Meter Weight                     | Approx. 0.17kg (include accessories)                                                            |
| Meter Dimensions                 | 88mmX32mmX30mm                                                                                  |
| Operating Temperature & Humidity | -10℃~40℃; below 80%RH                                                                           |
| Protection Level                 | IP54                                                                                            |
| Accessories                      | Alarm: 1PCS; Button battery: 2PCS; Plastic Coin (use for replace battery): 1PCS, Tool bag: 1PCS |

