

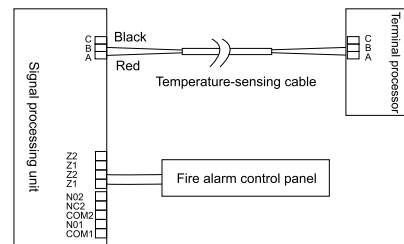
Linear heat detector (LHD)

Linear heat detector (LHD) is a fire detection system based on continuous temperature-sensing cable, designed to monitor abnormal temperature rise across large-scale areas.

It includes 3 parts: signal processing unit, terminal processor, temperature-sensing cable. The signal processing unit applies a steady current to the cable and measures voltage fluctuation. When voltage deviations exceed preset threshold, an alarm is activated.



- Certificate: ISO
- Standard: EN 54-22, GB 16280, GB 50116
- Feature: Full-length sensitivity, real-time
- Temperature: -10°C to 50°C for rating 85°C, -10°C to 70°C for rating 105°C
- Humidity: 0% to 95%, non-condensing
- Installation: Wall mounting, with backplate
- Protection: IP66



Main parts and material

Signal processing unit	Fire retard ABS, bus communication with control panel	Terminal processor	Configured at the end of each temperature sensing cable line
Temperature-sensing cable	Metal conductor x 2, with NTC thermosensitive insulation. Additional earth conductor for non-resettable type	Output capacity	220VAC/1A or 30VDC/1A

Available size

Type	Temperature rating	Operating voltage	Alarm current	Channel range	Signal processing unit W x H x D (mm)	Ref. No.
Resettable	Fixed, 85°C	24 VDC	2.0 mA	1, max 200 m	130 x 160 x 67	AE8101 (ISO)
Resettable	Fixed, 105°C	24 VDC	2.0 mA	1, max 200 m	130 x 160 x 67	AE8102 (ISO)
Non-resettable	Fixed, 85°	24 VDC	2.0 mA	1, max 200 m	130 x 160 x 67	AE8103 (ISO)
Non-resettable	Fixed, 105°C	24 VDC	2.0 mA	1, max 200 m	130 x 160 x 67	AE8104 (ISO)