

DHI-HY-LD413A-I

Adapter Unit



- Accurate detection and low false alarm rate
- Match with a variety of cables, and adapt to various environmental conditions
- Four alarm temperature ratings
- Easy to install, test and maintain

System Overview

Linear Heat Detection (LHD) is a continuous heat detector in the form of a cable. It can detect heat at any points along its entire length. It is composed of Linear Heat Sensing Cable (LHSC), adapter unit and termination unit. The digital LHSC is composed of two twisted shield conductors insulated with a heat sensitive material, then wrapped with a protective tape and finished with an outer jacket. The heat sensitive material will soften and fuse at specific fixed temperature which causes the contact of the conductors, the short circuit will trigger an alarm to the Fire Alarm Control Panel (FACP), thus realize the function of fire detection and warning.

Adapter unit is used to display and output fire alarm and fault signal.

Scene

LHD is a good choice for fire alarm systems in high-risk flammable areas, many industrial and commercial places, especially harsh environments where spot-type detectors cannot be installed. It is suitable for temperature detection of cable trays, power distribution apparatus, warehouse, conveyor belt in coal mining, petrochemical storage tanks, reaction vessel and other industries.

Technical Specification

Indicator	Standby: green Alarm: red Fault: yellow
Operating Voltage	DC 16V-28V
Operating Current	Standby Current : $\leq 20\text{mA}$ Fault Current: $\leq 25\text{mA}$ Fire Current : $\leq 35\text{mA}$
LHSC Type	Conventional type: DHI-HY-TSC-40DA CR/OR type: DHI-HY-TSC-40DA-CR/OR EP type: DHI-HY-TSC-40DA-EP
LHSC Alarm Temperature	68°C, 88°C, 105°C, 138°C
Responding Time	68°C & 88°C: $\leq 10\text{ s}$ 105°C: $\leq 15\text{ s}$ 138°C: $\leq 20\text{ s}$
Operating Temperature	-45°C to +60°C (-49°F to +140°F)
Operating Humidity	$\leq 95\%$ RH (no condensation)
Protection	IP66
Casing Material	Aluminum Alloy
Dimensions	127 mm x 85 mm x 52 mm (5" x 3.35" x 2.05")
Net Weight	342 g (0.75 lb)
Gross Weight	394 g (0.87 lb)
Certifications	UL, CE

Linear Heat Detector | DHI-HY-LD413A-I

Ordering Information		
Type	Model	Description
Linear Heat Detector	DHI-HY-LD413A-I	Adapter Unit

Dimensions (mm/inch)

