

DHI-HY-LD413A-P

Termination 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. Linear Heat Detector 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.

Termination unit is used to balance the signal status and conduct the alarm and fault test.

Technical Specification

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: ≤ 10 s 105°C: ≤ 15 s 138°C: ≤ 20 s
Operating Temperature	-45°C to +60°C (-49°F to +140°F)
Operating Humidity	≤ 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	310 g (0.68 lb)
Gross Weight	339 g (0.75 lb)
Certifications	UL, CE

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.

Ordering Information		
Type	Model	Description
Linear Heat Detector	DHI-HY-LD413A-P	Termination Unit

Dimensions (mm/inch)

