

DLI-10K

Digital Location Interface
(Monitoring distance 10Km)



The Digital Location Interface (DLI) monitors the Linear Heat Detection (LHD) cable and when activated identifies the location of the alarm. The distance in meters is then displayed on the 4 digit LCD. Providing detection and location along the complete length of the LHD cable.

With the ability to monitor up to 10,000m for both Fire and Fault conditions the DLI enhances any fire detection capability and allows an appropriate action to be taken.

The DLI offers flexible interfacing options, designed as a two wire device for connecting directly into a conventional fire alarm panel, it also has the ability to signal via volt free relay contacts for Fire and Fault, plus a 4-20 mA output representing 0m to 10,000m.

The DLI is available as a DIN Rail mountable unit or fitted into an IP 65 weather proof enclosure.

Features

Detection & display of Alarm location for the complete length of LHD cable, from 0m to 9,999m

4 Digit LCD

LED Fire and Fault indicators

Fire and Fault Test Functions

DIN Rail mounted or IP 65 Housing available

Volt free relay outputs for Fire and Fault

4-20mA output

Configurable for 2 wire mode

Remote reset input.

Applications

Power Generation

Cable Trays / Tunnels

Road and Rail Tunnels

Car Parks

Conveyors (Bearing) protection

Storage racks warehouse, Refrigerated rooms and cold stores.

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Specifications.

Electrical.

Operating voltage :	14 - 30 VDC Two wire mode 20 - 30 VDC Relay mode
Operating Current Normal Quiescent :	1.7 mA Two wire mode 11.5 mA Relay mode.
Fire Alarm (max) :	12 mA Two wire mode 29 mA Relay mode.
Fault Condition :	700 uA
Outputs:	
Fire :	2 x VFCO relays, 1 amp 24 VDC / 120 VAC Resistive
Fault :	2 x VFCO relays, 1 amp 24 VDC / 120 VAC Resistive
4 - 20 mA signal loop output	
LCD Display:	4 Digit (Accuracy ± 1 digit, Tolerance $\pm 3\%$)
Input :	Remote reset.
Maximum length of LHD :	10,000m

Mechanical

Dimensions :	H105 x W86 x D58 mm (DIN Rail version) H200 x W164 x D116 mm (Polystyrene enclosure)
Cable entries :	4 x M20, 1 x M25 Top 4 x M20, 1 x M25 Bottom 2 x M20 each side.

Ordering Information

Part Number	Description
52100-002	DLI-10K Digital Location Interface 10Km (IP65 Enclosure)
52100-004	DLI-10K Digital Location Interface 10Km (DIN rail version)
53100-001	EOL Junction Box for DLI - Polycarbonate
53100-003	EOL Junction Box for DLI - SS316
53100-012	EOL Junction Box for DLI with internal test switches - Aluminium
53100-013	EOL Junction Box for DLI with test switch - SS316