LDM-519-LP
LHDC Interface for Analogue Cable

The module is designed to monitor a zonal length of Analogue Cable for both an elevated temperature (Fire) condition, and Fault Status (Open & Short Circuit).

It operates in conjunction with a single core coaxial cable and an end of line (EOL) terminator. The module provides early warning of hot spots and fire conditions on short sections of the overall zone length. Maximum Zone length for Analogue Linear Heat Detection Cable is 500m when connected to this module*.

It is designed so that it can be configured to operate in two wire mode that emulates the operation of conventional heat detectors. Allowing for direct interfacing with the Fire Control panels trigger circuits.

Signalling of Fire and Fault Status by means of Volt Free Contacts may also occur when a separate power supply is used.

The modular form of the unit enables it to be provided in a variety of discrete housings and readily integrated into special control panels.

*subject to the max ambient temperature and the configuration of the unit.

Features

SIL 2 Certified
Adjustable Alarm set point
LED Indication of Fire, Fault and Supply Status
Analogue address interface, Line powered configurable
Fault Monitoring for open & short circuits
Selectable Latching / Auto reset operation
VFC outputs for Fire & Fault conditions
Operable from two wire fire panel trigger circuits.

Applications

Cable Tunnels, Ducts & Mezzanines
Escalators & Moving Walkways
Petro-Chemical Floating and fixed roof tanks.
Refrigerated Stores & Cold Rooms
Ceiling Voids & Attic Spaces
Conveyor, Bearing Protection
Car Parks, Open Storage areas
Warehousing, Racking Protection
There are three principle modes of supply & signalling operation:

**Figure 1** shows a typical minimum system where a discrete 24 Vdc

**Figure 2** shows a simple configuration with the unit directly connected to a conventional fire alarm panel circuit.

**Figure 3** shows the configuration when a LOOP interface module is fitted.

Notes: When directly connected to a conventional circuit the supply +ve (24VDC) terminals are used. Also see manual for correct positioning of Jumpers/Selectors.

**Figure 1**

**Figure 2**

**Figure 3**

Notes: Configurations for Fig 2 & 3, is dependant on the voltage and current specifications of the LDM-519-LP being compatible with the monitoring technique and electrical characteristics of the Control Panel / Zone Monitor.

**Ordering Information**

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<td>LDM-519-LP</td>
<td>700-201</td>
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Used with the following Analogue cables:

- Red PVC 700-001
- Red PVC S.S* 700-005
- Black Nylon 700-003
- Black Nylon S.S* 700-004

* Stainless Steel Braid

**This document is only intended to be a guideline and is not applicable to all situations.**

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