The module is designed to monitor a length of Digital Linear Heat Detection Cable (LHDC) for both fire condition and fault status (open circuit).

The unit is designed such that it may be configured to operate in a two wire mode that emulates the operation of conventional heat detectors. The unit may therefore be directly interfaced with fire control panels by connection to fire zone trigger circuits or addressable interfaces.

The DDLX has a 4-digit LCD which activates on fire condition and displays the distance into the zone the alarm has occurred. Digital LHDC may be employed in lengths up to 10km (9999m). The unit has an adjustment to accommodate interposing cables.

Signalling of fire and fault status by means of VFC may be realised when a separate supply is employed. A 4mA to 20mA instrumentation current loop output is provided for connection to PLC’s etc.

**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
- Warehouse & Racking Protection

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There are three principle modes of supply & signalling operation:

**Figure 1** shows a typical minimum system where a discrete 24 Vdc supply is employed. The repeat contacts may be employed to signal an alarm panel and/or initiate control systems.

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

**Figure 3** shows the configuration when an integral ADDRESS LOOP interface module is fitted. Connection between the LDM-519-DDL and the addressable loop module is conventional circuit connection of Fig. 2.

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 Unit.

### Ordering Information

**Description** | **Part Number**
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LDM-519-DDLX | 700-471

Used with the following Digital Cables:

- Nylon 70°C | 700-070
- Nylon S.S* 70°C | 700-071
- Nylon 90°C | 700-090
- Nylon S.S* 90°C | 700-091

*Stainless Steel Braid

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