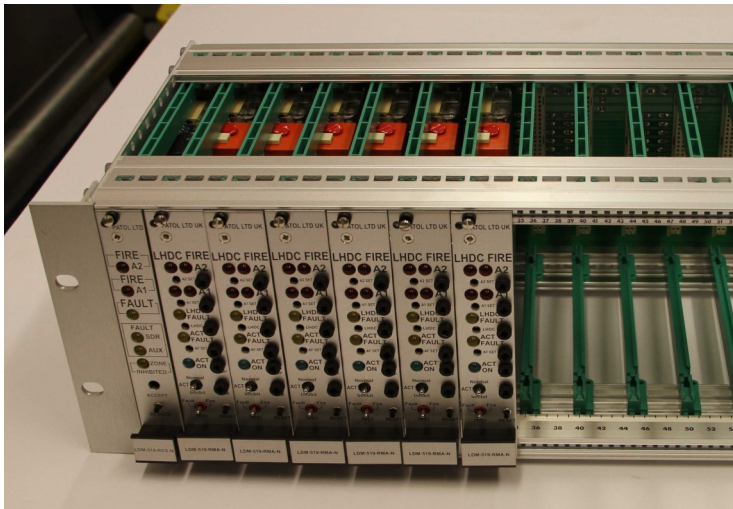


EU-R 19" Rack System

LHD Interface for Analogue Cable



The EU-R system uses Patol's LDM-519-RMA-N and LDM-519-RCS-N cards in conjunction with our Master Motherboards allowing installation in 19" Rack mounting panels.

The LDM-519-RMA-N cards are designed to monitor a zonal length of Analogue Linear Heat Detection Cable (LHDC) for elevated temperature states. Two adjustable levels of alarm are provided (A1 & A2), one of which may be optionally employed as a "Pre-Alarm".

The LDM-519-RCS-N card is a common interface module allowing group monitoring of multiple zones.

The LHDC is also monitored for fault conditions (open and short circuit).

The EU-R system provides an output for the initiation of extinguishing media. This Actuation Output is primarily intended for the use with electrically operated chemical protractors (Metrons).

The EU-R system has fault monitoring circuitry appropriate to the series firing of these devices using an "All Fire" actuation loop configuration.

LHDC is of coaxial construction and is used in conjunction with an end of line (EOL) terminator. The Controller provides early warning of hot spots and fire conditions on short sections of the overall LHDC zone length. Maximum LHDC zone length for Analogue cable is 500m.

Features

Two level Alarm set points per zone.

Adjustable Alarm set points & Actuation loop monitoring.

Extinguishant actuation output.

LED Indication of Fire, Fault and Supply status.

Separate LHDC Monitoring & Actuation Supplies
-Electrically isolated.

Wide dc supply operation (positive earthed)

Monitoring -20Vdc to -60Vdc

Actuation -20Vdc to 130Vdc

Fault Monitoring for open and short circuits.

Selectable Latching/Auto reset operation.

VFC relay outputs for fire and Fault conditions.

Applications

Cable Tunnels, Ducts & Mezzanines

Escalators & Moving Walkways

Refrigerated Stores & Cold Rooms

Ceiling Voids & Attic Spaces

Conveyor, Bearing Protection

Car Parks, Open Storage Areas

Warehousing, Racking Protection

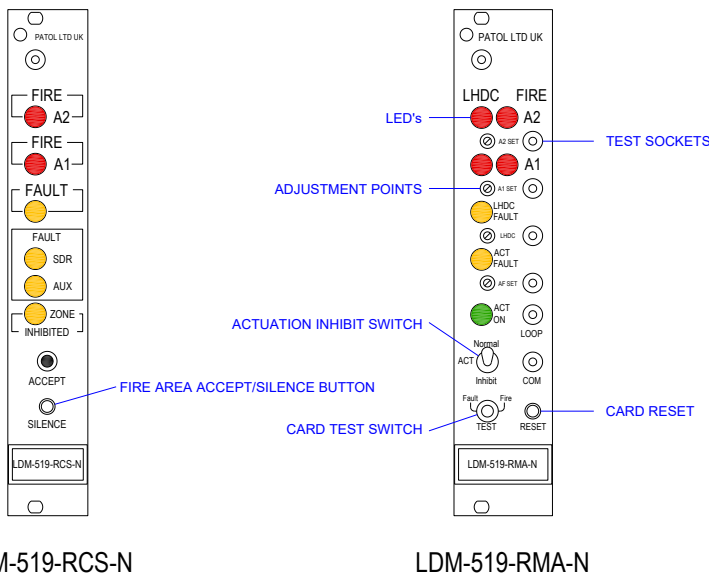
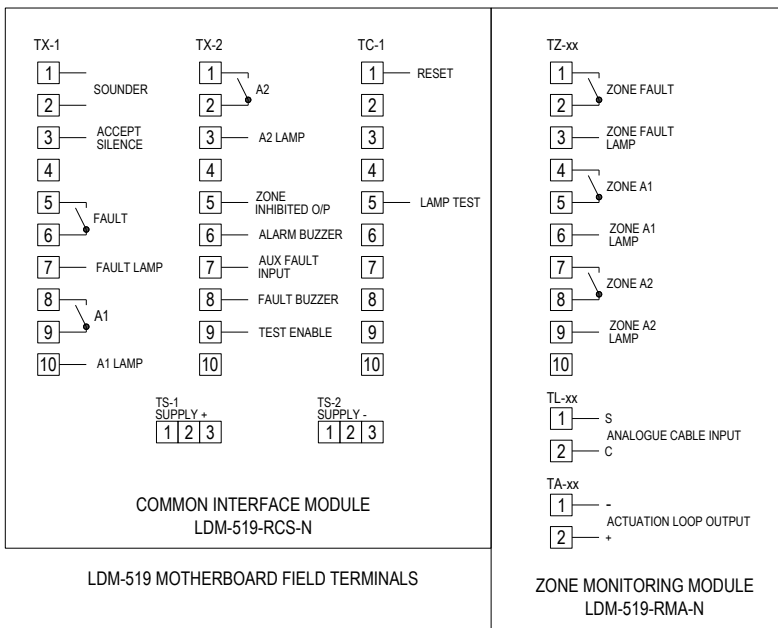
EU-R 19" Rack System

LHD Interface for Analogue Cable

The alarm relay outputs can be operated in two modes.

Mode 1; where a single alarm level operates both relay outputs. This is achieved by adjusting the A2 Alarm set-point to less than that for A1 Alarm. Thus both A1 & A2 trip simultaneously - **At the A1 set point.**

Mode 2; with pre-alarm; where a two stage alarm operates. This may be achieved by using A1 for Pre-Alarm and A2 for Alarm.



Specifications

Dimensions:	3U (19" Rack Height)
Supply Voltage:	Monitoring -20Vdc to -60Vdc
	Actuation 20Vdc to 130Vdc
Supply Current: (per zone)	Quiescent <18mA
	Max (Alarm) <60mA
Relay Contacts:	1A @ 24Vdc/120Vac
	Fire Alarm A2 1x1 pole change over
	Fire Alarm A1 1x1 pole change over
	Fault 1x1 pole change over

Ordering Information

Description	Part Number
LDM-519-RCS-N	700-332
LDM-519-RMA-N	700-331
LDM-519 2 Slot	700-337
LDM-519 4 Slot	700-336
LDM-519 12 Slot	700-335
LDM-519 16 Slot	700-333

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