Key Features

- Dual zones, can monitor 2 digital cables
- Interlock/coincidence detection
- Displays distances to the alarm point in feet or meters
- RS-485 communication
- UL approved

Overview

The Digital Interface Monitor Module (DiMM) is a dual zone module for monitoring up to two zones of Digital Linear Heat Detection (DLHD) Cable.

If an overheat or fire situation triggers either zone of the Digital LHD cable, the unit automatically calculates and displays the distance along the cable, in feet and metres, to the alarm point. The two zones can operate independently of each other, or in interlock mode and a separate alarm and normally conducting fault output are provided for each zone.

The unit is intended to be installed between the FyreLine Digital Linear Heat Detection cable and a conventional or addressable fire alarm control panel. It has power, fault and alarm lights, as well as volt free outputs for fault and alarm, corresponding to each zone. It may also be connected to an industrial process control system using the two wire RS-485 Modbus RTU output.

Tech Specs

Dimensions (W x H x D)	120mm x 180mm x 60.5mm (4.72” x 7.08” x 2.38”)
IP Rating	NEMA 4, 4X (IP65)
Finish	Light grey with clear lid
Display	2 lines, 16 character back-lit display showing zone status
Approvals	UL 864 10th Edition
Power Requirements	All circuits power limited if powered from a power limited supply
Operating Voltage	12Vdc 36Vdc

Tech Specs

Normal Operation (Standby)	<12mA <4mA
Alarm	<40mA <15mA
Operating Temperature Range	-20°C to +50°C (-4°F to +122°F)
Supervised Circuits	Power, Input Zone 1 & Input Zone 2
Inputs	Up to two zones of Fyreline Digital LHD Cable 3000m
Max Zone Length	3000m (10,000ft)
Min Zone Length	1m (3,2ft)
End of Line Resistor	1kohm (included)
Short Circuit Current	0.5mA
Max Voltage	5V
Ground Fault Impedance	0 ohms
Communications	Two wire RS-485 Modbus RTU (field wiring limited to same room to comply with UL listing)
Sounder	2.4kHz 92Db @ 10cm Buzzer
Alarm	2x Form C volt-free relay contacts (resistive, common) Max V: 30Vac or 42.4Vdc Max Current: 2A Max Switching Power: 60W, 62.5VA
Fault	2x Optoisolated photo-transistor output (resistive, common) Max V: 35Vdc Max Current: 80mA Max Power Dissipation: 150mW

Ordering Information

Part Number	Description
18-004	Digital Interface Monitor Module, 2 Zone, 1m to 3000m (10,000ft), 12 - 36Vdc