

MI-DCZRM

ADDRESSABLE ZONE MONITOR MODULE

The MI-DCZRM addressable zone monitor module allows a zone of non-addressable devices to communicate with a Morley-IAS protocol analogue addressable system. As a result existing non-addressable zones can be integrated into a Morley-IAS protocol system.

The module monitors a zone of two-wire non-addressable devices. Each MI-DCZRM uses one of 99 available module addresses on a loop. A fault signal will be transmitted to the panel in case of an open circuit or short circuit on the non-addressable zone wiring or when the external fault input is pulled low (can be used for power supply monitoring). A flashing LED indicates that the module is in communication with the control panel. The LED latches steady on alarm (subject to current limitations).

The non-addressable zone can be powered from the analogue communication loop or from an external power supply. Where the non-addressable zone is powered from an external power supply, the communication loop is fully isolated from the non-addressable zone and from the power supply.

The zone monitor module replaces the MI-CZME but can be mounted onto a DIN rail. It can also be powered from the addressable loop and allows integration of non-addressable zones into an addressable system. This module enables non-addressable devices to be monitored by Morley-IAS protocol analogue addressable fire alarm control panels.

The maximum recommended number of non-addressable devices that can be used with the MI-DCZRM is 20.

FEATURES

- Connection of a zone of non-addressable detectors to an analogue addressable fire system
- Built in isolation allowing system installation in stages without loss of protection
- Monitors open circuit and short circuit
- TRI-Colour Status LED
- Zone powered from addressable loop wiring or external 24V PSU
- Remote reset of non-addressable zone
- Compatible with: Most non-addressable detectors IS non-addressable detectors
- Monitoring of external power supply
- External fault input
- CPD approval to EN54-17 and EN54-18, LPCB and VdS
- DIN rail mountable, consistent with all other modules
- Support for an extended power supply range as low as 18Vdc 60mA with an External PSU



MI-DCZRM SPECIFICATIONS

Mechanical Specifications	
Height:	23mm
Length:	93mm
Width:	83mm
Weight:	110g
Max Wire Gauge for Terminals:	2.5mm ²

Electrical Specifications	
Operating Voltage Range:	18 to 28.5Vdc
Max. Standby Current:	288 μ A maximum (conventional zone connected to external supply)
LED Current Red:	2.2 μ A @24Vdc
Green:	6.6 μ A @24Vdc
Yellow:	8.8 μ A @24Vdc
End of Line Resistor Value	3.9k

Installation

The MI-DCZRM addressable Zone Monitor module fits into M200E-SMB and M200E-DIN. Mounting hardware and installation instructions are provided with each module.

Part Number	
Part Number	Description
MI-DCZRM	Addressable Zone Module

Environmental Specification	
Temperature Range:	-20°C to +60°C
Humidity:	5% to 95% relative humidity (non-condensing)



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For more information,

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MONITOR MODULE

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