



Honeywell MI-DCZME Conventional Zone Interface Module Instruction Manual

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Introduction

This manual is intended as a quick reference installation guide.

Please refer to the control panel manufacturers installation manual for detailed system information.

The Morley series of modules are a family of microprocessor controlled interface devices permitting the monitoring and/or control of auxiliary devices.

The MI-DCZME provides an interface between a zone of System Sensor manufactured conventional type fire detection devices and an intelligent signaling loop.

A single tri-colour LED indicates the status of the module.

In normal conditions, the LED can be set by command from the control panel to blink green when the module is polled.

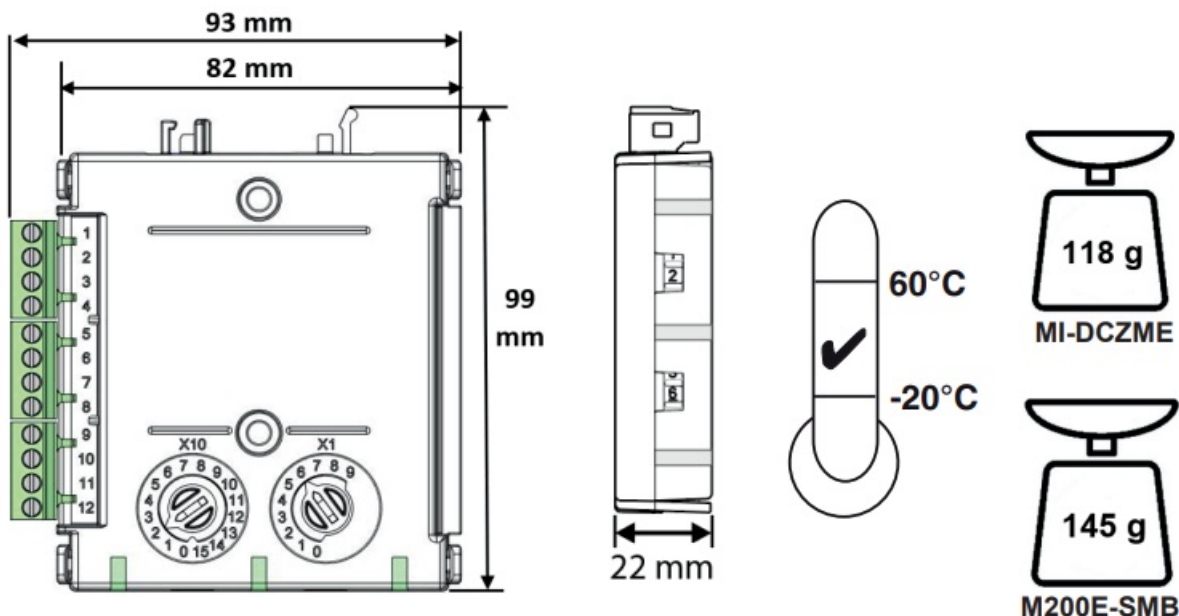
In the case of a fire alarm on the conventional zone, the LED is switched on constant red by panel command.

If a fault is detected on the conventional zone or the zone supply voltage drops below 18V, or a fault with the external power supply is signaled, the LED will blink yellow if enabled on the control panel.

When a short circuit is detected on the loop to either side of the module, the LED is switched to show a constant yellow light.

This module does not require maintenance.

Dimensions



SPECIFICATIONS

Intelligent Loop

- **Operating Voltage Range:** see S00-7100
- **LED Cutoff Voltage:** 16.5VDC

- **Max. Standby Current (μA @24 V and 25o C)** External Supply Conventional Zone:
- **No Communication:** 120
- **Max. Standby Current (mA @24 V and 25o**
 - C) Conventional Zone connected to
- Capacitive EOL only, Loop Powered Conventional Zone:
- **No Communication:** 1.3
- **LED Current (Red):** 1.3mA
- **LED Current (Yellow):** 4.5mA
- **Isolator Features:** see S00-7100

Conventional Zone

- **Supply Voltage:** 18 to 32 VDC (either from loop or external supply)
- **Maximum Standby Load Current:** 3mA for detectors
- **Maximum Zone Load:** 17.5mA (Limited internally)
- **Maximum Conventional Line Resistance:** 50 Ohm (both legs)
- **End of Line Capacitor:** 47 μF non-polarised. M200E-EOL-C supplied

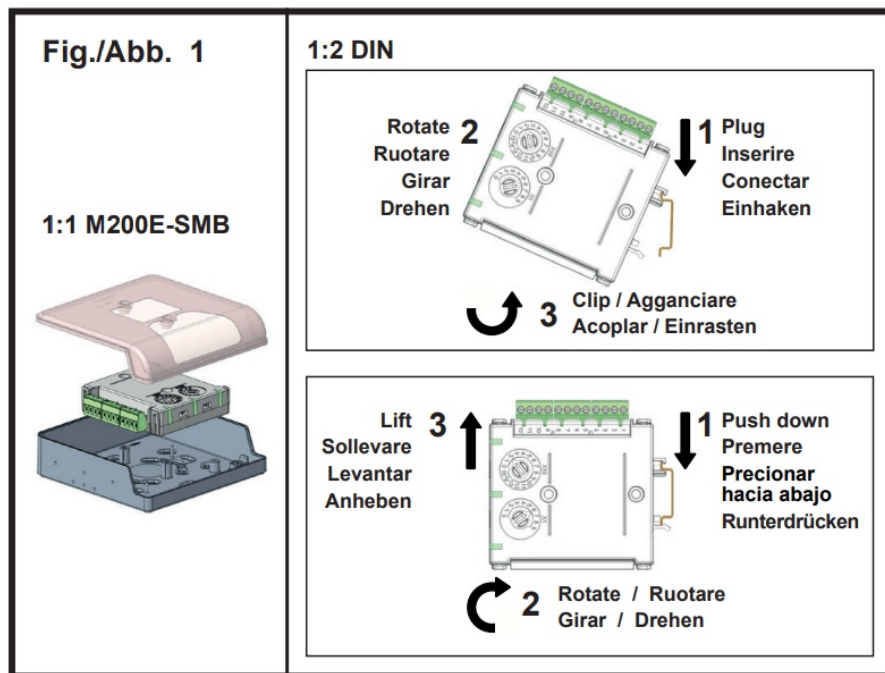
General

- **Humidity:** 5% to 95% relative humidity (non-condensing)
- **Ingress protection:** IP44 (Mounted in M200E-SMB)
- **Maximum Wire Gauge:** 2.5mm²

INSTALLATION

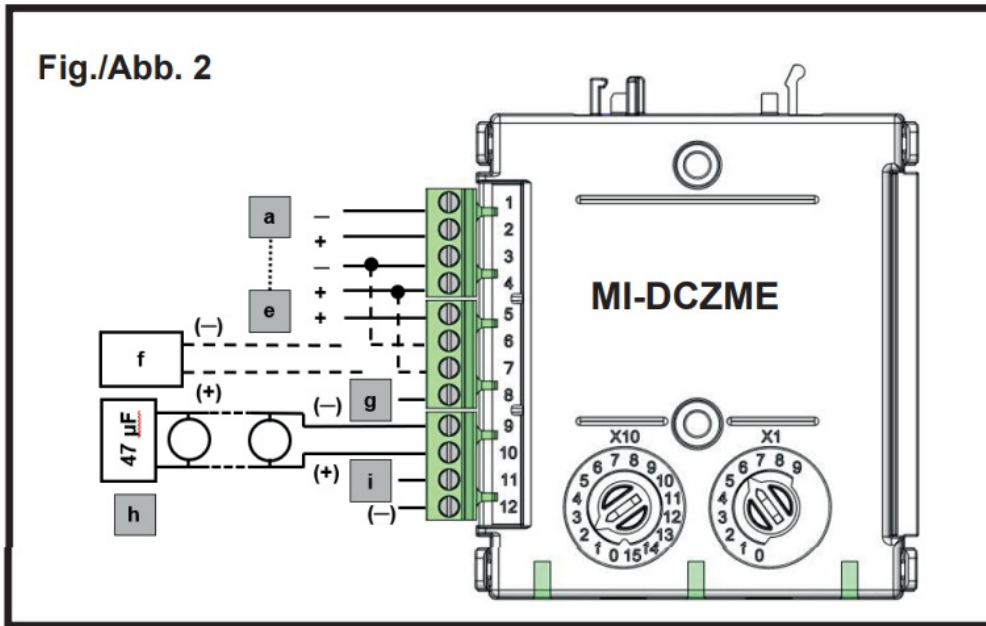
Note: These modules must only be connected to control panels using compatible proprietary analogue addressable communication protocols for monitoring and control.

Morley series modules can be mounted in several ways (**See Figure 1**):



- **1:1** An M200E-SMB custom low profile surface-mounting box. The SMB Base is affixed to mounting surface, and then the module and cover are screwed onto the base using the two screws supplied. Box dimensions: 132mm(H) x 137mm(W) x 40mm(D)
- **1:2** The DIN bracket on top allows mounting onto standard 35mm x 7.5mm “Top Hat” DIN rail inside a control

panel or other suitable enclosure. Install and remove as shown in **Figure 1:2**

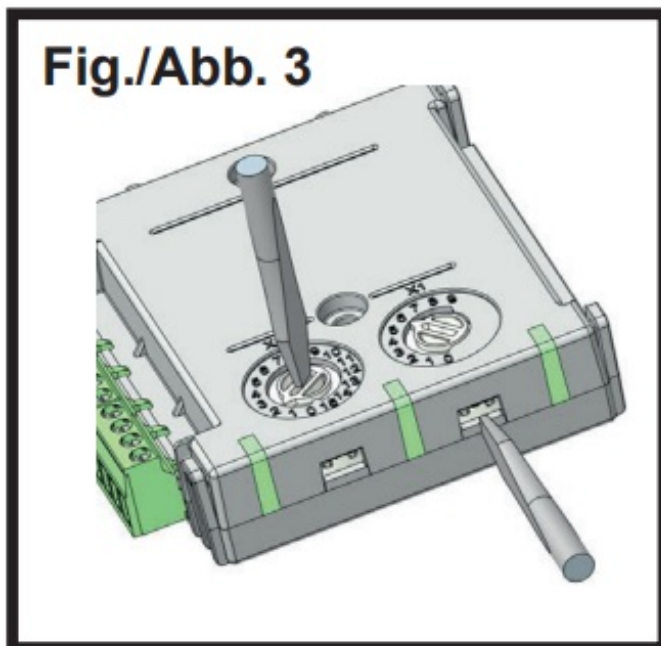


Wiring to all series Morley modules is via plug in type terminals capable of supporting conductors up to 2.5mm²

CAUTION

Disconnect loop power before installing modules or sensors.

The module address is selected by means of rotary decade address switches (**see Figure 3**). A screwdriver should be used to rotate the wheels to select the desired address, either from the front or the top of the module.



Note: The number of addresses available will be dependent on panel capability, check the panel documentation for information on this.

Short Circuit Isolators

All Morley series modules are provided with short circuit monitoring and isolators on the intelligent loop.

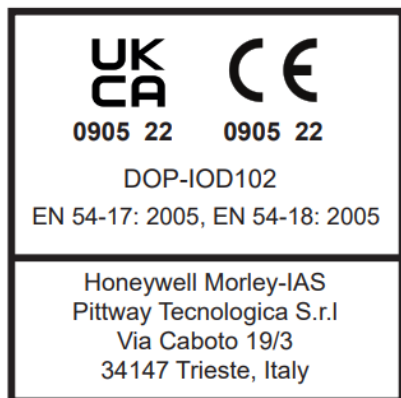
If required the isolators may be wired out of the loop to facilitate the use of the modules on high current loaded loops, for example if sounders are used.

To achieve this, the loop out positive should be wired to terminal 5 rather than terminal 2. **See Figure 2** for details.



Electrostatic Sensitive Device

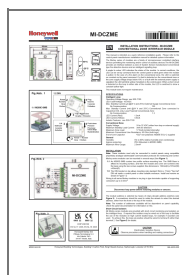
Observe precautions when handling and making connections



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Documents / Resources



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