

# FDMR-1

## FlashScan® Dual Relay/Monitor Module



Intelligent/Addressable Devices

### GENERAL

The FDMR-1 multi output-input module designed for use with Notifier Onyx® and CLIP series Fire Alarm Control Panels (FACPs).

The addressable module is intended for use in intelligent, two wire loops. It includes two individual relay modules and two monitor (input) modules. Each relay output is intended for Form C switching applications which do not require wiring supervision for the load circuit. Each monitor input provides an interface between a fire alarm control panel and one or more normally open contact-type devices. Each relay output has its own green LED. Each monitored input has its own bi-color LED, which can be controlled by the control panel



**FDMR-1 Dual relay, dual monitor module**

### FEATURES

- Powered by SLC loop, no external power required
- Compact design
- LED indication on inputs and outputs
- Rotary decade switch addressing from front or top (1-99 on CLIP systems, 1-159 on FlashScan systems)
- Set the first address and the unit will automatically assign the next three
- Ability to disable one relay output and/or one monitor input

### INSTALLATION

Each module can use up to four (4) addresses. The base address selected with the rotary address switches will be assigned to relay output #1 from 00 to 156. The module will automatically assign the next three addresses as appropriate to monitor input #1, relay output #2, and monitor input #2.

DIP switch settings can disable relay output #2 or monitor input #2 and free up those addresses. *(NOTE: This will affect addressing; see installation manual for details.)*

### PRODUCT LINE INFORMATION

FDMR-1: FlashScan dual relay, dual monitor module

#### Mounting Accessories

M200E-DIN: DIN rail mounting clip

M200E-PMB: Panel mounting clip

M200E-SMB-KO: Surface mount box with knockouts

See back page for images of mounting accessories

### SPECIFICATIONS

Size: 13.4cm high, 13.9 cm wide and 4.0cm deep when installed on M200E-SMB-KO

#### Electrical Specifications

Voltage range: 15 - 32 volts DC peak

Standby Current (max. avg.): 1000uA @ 24VDC (one communication every 5 seconds with LED enabled)

Supervisory voltage: 8.8VDC

Maximum supervisory line resistance (monitor input): 1,500 Ohms

End-of-Line resistor (monitor): 47k Ohms

Relay contact rating: 2A @ 30VDC. 0.5A @ 125VAC

#### Temperature and Humidity

Operating Temperature range: -5°C to 50°C

Relative humidity: 10% - 93% non-condensing

## MOUNTING ACCESSORIES DETAIL



**M200E-SMB-KO: Surface mount box**



**M200E-PMB: Panel Mount Clip**



**M200E-DIN: DIN Rail Mount Clip**

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QUALITY SYSTEMS

This document is not intended for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

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