Velociti™ Series
MMI-6SF

Multi-Mod Six Zone Interface Module

Description

The Velociti™ Series, multi-mod six zone interface module (MMI-6SF) provides six (6), Style B (Class B) or three (3), Style D (Class A) supervised initiating device circuits (IDC) suitable for use with U. L. Listed conventional 2-wire smoke detectors as well as any normally open contact device.
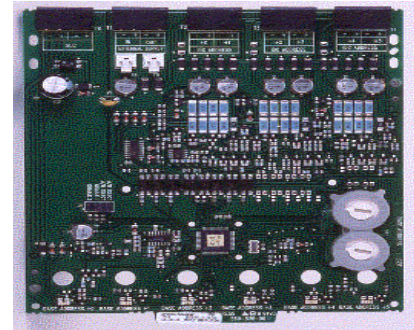
The Velociti™ Series use a communication protocol that substantially increases the speed of communication between the sensors and certain FCI analog addressable fire alarm controls. These devices operate in a grouped fashion. If one of the devices in the group has a status change, the panel's microprocessor stops the group poll and concentrates on the single device. The net effect is response speed up to five times greater than earlier designs.

The MMI-6SF connects to the signaling line circuits (SLC) of the FCI analog addressable series fire alarm control panels. Each of the MMI-6SF initiating device circuits occupies its own address on the system's SLC allowing each to be fully programmable in its control-by-event sequence of operation.

The address of the first initiating device circuit is set with a pair of rotary dials. Each remaining circuit is automatically assigned to its own subsequent address. The MMI-6SF module includes an address disable jumper matrix to allow a maximum of two unused addresses to be turned off to free these addresses for other purposes. An additional pair of jumpers selects either Style B or Style D circuit configurations.

Each circuit has its own status LED that flashes to indicate proper polling and lights steadily when the output has been activated.
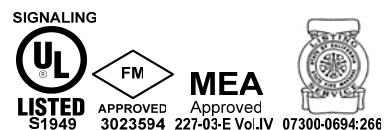

MMI-6SF

Features

- Each MMI-6SF module provides six (6), Style B (Class B) or three (3), Style D (Class A) individually addressable individually programmable initiating device circuits.
- Suitable for use with U. L. Listed, compatible 2-wire conventional smoke sensors and normally open contact devices.
- Removable wiring terminal blocks allow ease of installation and servicing terminal.
- Blocks can accommodate 12 to 18 AWG wire.
- Flexible jumper configuration feature allowing one or two monitoring circuit addresses to be disabled.
- Individual LED indicators*.
- Ideal for retrofit applications.
- As many as thirty-six (36), initiating device circuits in one 12" x 24" x 6.5" cabinet.
- Two (2), mounting cabinets available for two (2), (MBB-2 cabinet) to six (6), (MBB-6 cabinet) units.
- Bicolor LEDs flash green whenever the sensor is addressed, and light steady red on alarm.*

Note: *Only the red LED is operative in panels that do not operate in Velociti™ mode.

An ISO 9001-2000 Company

SIGNALING

UL LISTED S1949   FM APPROVED 3023594   MEA Approved 227-03-E Vol.IV   07300-0694:266

Description (Continued)

Two (2), multi-mod series units can be mounted in one MBB-2 cabinet. Additional mounting options include the MCH-6 chassis that can accommodate six (6), multi-mod series modules. The MCH-6 chassis can be installed in a custom cabinet or can be mounted in the MBB-6 cabinet allowing up to six (6), multi-mod series modules in one cabinet.

The initiating device circuit of the MMI-6SF can support a maximum line resistance of up to 40 ohms allowing the use of linear heat detection devices.

The MMI-6SF is ideal for applications where centralized location of circuits is required. As many as sixty (60), initiating device circuits may be located in a cabinet that is only 12.63" H x 24" W x 6.5" D in dimension, saving valuable wall space in mechanical rooms and electrical closets and reducing cost of installation.

Specifications

Operating Voltage:	15-32 VDC
Stand-by Current:	2 mA
Alarm Current:	40 mA (with all six LEDs lit)
Maximum IDC Wire Resistance:	25 Ohms
Temperature Range:	32˚ F to 120˚ F (0˚ to 49˚ C)
Humidity:	10 to 85% (non-condensing)
Dimensions:	6.8" H x 5.8" W x 1.25" D (17.3 x 14.7 x 3.2 cm)
MBB-2:	12.25" H x 9.25" W x 3.32" D (31.1 x 23.5 x 8.4 cm)
MBB-6:	12.63" H x 24" W x 6.5" D (32.1 x 70.0 x 16.5 cm)

External Supply Voltage

DC Voltage:	18-28 Volts, power-limited
Ripple Voltage:	0.1 Volts rms maximum
Current:	90 mA per module

Ordering Information

Model	Description
MMI-6SF	Multi-Mod 6 zone interface module
MBB-2	Backbox, 2 unit
MBB-6	Backbox, 6 unit, requires MCH-6
MCH-6	6-Unit mounting chassis