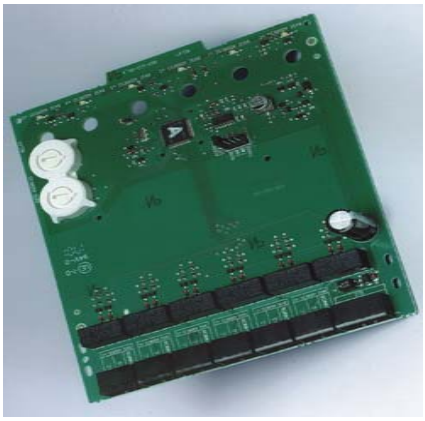
FIRE CONTROL INSTRUMENTS

by Honeywell

Velociti™ Series MMO-6RF

Multi-Mod Relay Output Module



MMO-6RF

Description

The FCI Velociti™ Series, multi-mod six relay output module (MMO-6RF) provides six (6), Form "C" control relay outputs on one board. Its compact design affords ease of installation while using a minimum of wall space.

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 MMO-6RF connects to the signaling line circuit (SLC) of the FCI analog addressable series fire alarm control panels. Each relay circuit on the MMO-6RF occupies its own address on the control panel's SLC and can be programmed to respond to its own individual control-by-event sequence of operation. The address of the first relay is set by a pair of rotary code switches on the MMO-6RF. Each remaining relay circuit is automatically assigned to its own subsequent address.

The MMO-6RF module includes an address disable switch that allows one, two, or three addresses to be turned off to free these addresses for other purposes.

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

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 custom cabinets or mounted in the MBB-6 cabinet.

The multi-mod series is ideal for applications where centralized location of circuits is required. As many as thirty-six (36), Form "C" relays 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.

Features

- Each module provides six (6), individually addressed, individually programmable form "C" relays.
- Removable wiring terminal blocks allow ease of installation and servicing.
- Terminal blocks can accommodate 12 to 18 AWG wire.
- Flexible jumper configuration feature allowing up to three relay addresses to be disabled.
- A wide range of contact ratings.
- Designed for FCI analog addressable series fire alarm control panels.
- Individual LED indicators*.
- Suitable for retrofit applications.
- Ideal for applications such as elevator control, AHU control, door holder release or similar functions requiring multiple relay outputs.
- Two (2), mounting cabinets available for two (2), (MBB-2 cabinet) to six (6), (MBB-6 cabinet) units.

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

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Specifications

Operating Voltage:	15-32 VDC
Stand-by Current:	1.45 mA
Alarm Current:	32 mA (with all six relays activated and all six LEDs lit)
Relay Current:	30 mA/ relay pulse
Relay Contact Ratings:	(see below)
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 1.0" D (17.3 x 14.7 x 2.5 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 60.1 x 16.5 cm)

Contact Ratings

Current Rating	Maximum Voltage	Load Description	Application
3A	30 VDC	Resistive	Non-coded
2A	30 VDC	Resistive	Coded
1A	30 VDC	Inductive (L/R= 2ms)	Coded
0.5A	30 VDC	Inductive (L/R= 5ms)	Coded
0.9A	110 VDC	Resistive	Non-coded
0.9A	125 VAC	Resistive	Non-coded
0.7A	70.7 & VAC	Inductive (PF= 0.35)	Non-coded
0.5A	125 VAC	Inductive (PF= 0.35)	Non-coded

Ordering Information

Model	Description
MMO-6RF	Multi-mod relay output
MBB-2	Backbox, 2 unit
MBB-6	Backbox, 6 unit, requires MCH-6
MCH-6	6-Unit mounting chassis