Honeywell | Addressable Devices

# Velociti® Series MMI-10F

## Multi-Mod Ten Input Monitor Module

The Gamewell-FCI Velociti® Series, multi-mod ten input monitor module (MMI-10F) provides ten Style B (Class B) or five Style D (Class A) supervised initiating device circuits (IDCs) that are suitable for a wide range of monitoring applications. The Velociti Series use a communication protocol that substantially increases the speed of communication between the sensors and certain Gamewell-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.

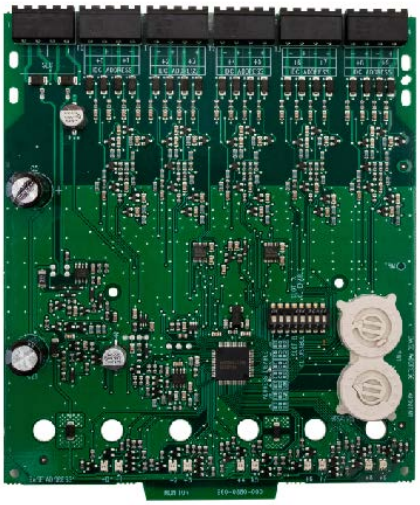
Each supervised circuit may be connected to any normally open contact device such as manual stations, tamper and supervisory switches, waterflow switches, heat detectors, 4-wire smoke sensors, etc.

The MMI-10F connects to the signaling line circuits (SLC) of the Gamewell-FCI analog addressable series fire alarm control panels. Each of the MMI-10F 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 circuit is set with a pair of rotary dials. Each remaining circuit is automatically assigned to its own subsequent address. Dip switches are used to disable up to six addresses and set Class A or Class B operation. Each circuit has its own status LED that flashes to indicate proper polling and lights steadily when the output has been activated.

The module also provides short circuit isolators to prevent shorts on the fire detection and alarm system loop from disabling more than one device on the intelligent loop.

Two Multi-Mod units can be mounted in one MBB-2 cabinet. Additional mounting options include the MCH-6 chassis that can accommodate six Multi-Mod modules.



**MMI-10F**

The MCH-6 chassis can be installed in a custom cabinet or it can be mounted in the MBB-6 cabinet that allows you to install up to six Multi-Mod modules in one cabinet. The MMI-10F is ideal for applications where centralized location of circuits is required. As many as sixty initiating device circuits may be located in a cabinet that is only 12.6" 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 & BENEFITS

- Each MMI-10F monitor module provides ten Style B (Class B) or five Style D (Class A) individually addressable, individually programmable initiating device circuits
- Ideal for applications requiring monitoring of normally open contact devices
- Removable wiring terminal blocks allow ease of installation and servicing
- Terminal blocks can accommodate 12 to 18 AWG wire
- Flexible dip switch configuration feature allowing up to six circuit addresses to be disabled
- Individual LED indicators.
- Ideal for retrofit applications
- As many as sixty initiating device circuits in one 12"x 24" x 6.5 cabinet
- Two mounting cabinets available for two (MBB-2 cabinet) to six (MBB-6 cabinet) MMO-6RS
- Bi-color 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.

# Velociti® Series MMI-10F Technical Specifications

## SYSTEMS

**Operating Voltage:** 15-29 VDC
**Stand-by Current:** 3.75 mA
**Alarm Current:** 60 mA (with all ten LEDs lit)
**Maximum IDC Wire Resistance:** 40 Ohms
**Maximum IDC Voltage:** 12 VDC
**Maximum IDC Current:** 1 mA (each circuit)
**Temperature Range:** 32° F to 120° F (0° to 49° C)
**Humidity:** 10 to 93% (non-condensing)
**Dimensions:** 6.8" H x 5.8" W x 1.25" D
(17.3 x 14.7 x 3.2 cm)

## TEMPERATURE AND HUMIDITY RANGES

This system meets NFPA requirements for operation at 0– 49°C/32 – 120°F and at a relative humidity 10-93% (noncondensing). However, the useful life of the system's standby batteries and the electronic components may be adversely affected by extreme temperature ranges and humidity. Therefore, it is recommended that this system and its peripherals be installed in an environment with a normal room temperature of 15 – 27°C/60 – 80°F.

## STANDARDS

The Velociti® Series MMI-10F is designed to comply with the following standards:

- UL Standards: UL 864
- UL 2572 for Mass Notification

## AGENCY LISTINGS AND APPROVALS

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process.

Consult factory for latest listing status.

- UL: S1949
- FM: 3023594
- MEA FDNY: 219-02-E Vol VI
- CSFM: 7300-1703:0124
- ISO 9001 Certification

## ORDERING INFORMATION

**MMI-10F:** Multi-mod 10 input module

**MBB-2:** Backbox, 2 unit

**MBB-6:** Backbox, 6 unit, requires MCH-6

**MCH-6:** 6-Unit mounting chassis

For a complete listing of all compliance approvals and certifications, please visit:

http://www.gamewell-fci.com/en-US/documentation/Pages/Listings.aspx

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This document is not intended to be used 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.

## For more information

Learn more about Gamewell-FCI's Velociti® Series MMI-10F and other products available by visiting www.Gamewell-FCI.com

**Honeywell Gamewell-FCI**
12 Clintonville Road
Northford, CT 06472-1610
203.484.7161
www.honeywell.com

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