

# Velociti® Series AMM-2RIF

## Addressable Input/Output Module

### General

The Gamewell-FCI Velociti Series multi-function module (AMM-2RIF) combines two relay outputs and two monitor inputs into one device. The module is capable of Class B supervised wiring that is used for the monitored devices. It also contains Form C relay contacts which allow the panel to switch the contacts on command. There is a dedicated LED on the module for each input and output. The fire alarm control panel can use these bi-color LEDs to indicate normal, alarm and trouble conditions.

This module is ideally suited for areas where inputs and outputs are needed in the same location. It can be used to function with any of the following devices:

- smoke/fire dampers
- HVAC fan
- non-dedicated smoke fan
- security doors
- dedicated smoke control

When you combine two relay outputs and two monitor inputs into one device, you can save the cost of installing four devices. This feature can be beneficial when you need to install these devices in high-rise buildings or large shopping complexes. The two input/two output module is the same size module as the standard single modules. It can mount directly to a 4-inch (10.16 cm) square electrical box, the surface mounted SMB500, or it can be installed into the DNR(W) duct housing.



AMM-2RIF

## FEATURES & BENEFITS

- Provides two relay outputs and two monitor inputs in one space-saving module
- Offers visual rotary, decimal switch addressing (01-159)
- Contains the following:
  - Two sets of Class B initiating device circuits
  - Two sets of Form C relay contacts
- Uses bi-color LEDs for each input and output flash, when addressed, and lights steady when in alarm
- Includes a Dip switch to manually disable one input and one output
- Ideal for fan, smoke control, and door entry installations

# Velociti® Series AMM-2RIF Technical Specifications

## SYSTEMS

**Supervisory Current:** 0.00130 A

**Alarm Current:** 0.024 A

**Operating Temperature:** 32°F to 120°F (0°C to 49°C)

**Relative Humidity:** 10% to 93% (Non-condensing)

**Temperature Rating:** 32°F to 120°F (0°C to 49°C)

**Dimensions:** 4 1/2" H x 4" W x 1 1/4" D  
(11 H x 10.2 W x 3.2 D cm)

**End-of-Line Resistor:** 47k Ohms

Table 1 lists the Relay Contact Ratings.

Current Rating	Maximum Voltage	Load Description	Application
2 A	25 VAC	PF = 0.35	Non-coded
3 A	30 VDC	Resistive	Non-coded
2 A	30 VDC	Resistive	Coded
0.46 A	30 VDC	Inductive (L/R= 20ms)	Non-coded
0.7 A	70.7 VAC	PF = 0.35	Non-coded
0.9 A	125 VDC	Resistive	Non-coded
0.5 A	125 VDC	PF= 0.75	Non-coded
0.3 A	125 VAC	PF= 0.35	Non-coded

**Table 1: Relay Contact Ratings**

## TEMPERATURE AND HUMIDITY RANGES

This system meets NFPA requirements for operation at 0 – 49°C/32 – 120°F and at a relative humidity 93% ± 2% RH (noncondensing) at 32°C ± 2°C (90°F ± 3°F).

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 AMM-2RIF is designed to comply with the following standard:

**UL Standard:** UL 864 9th Edition

## 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

**CSFM:** 7300-1703-0174

**ISO 9001 Certification**

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 AMM-2RIF and other products available by visiting [www.Gamewell-FCI.com](http://www.Gamewell-FCI.com)

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