

# Velociti® Series AOM-2SF

## Addressable Output Relay Supervised Control Module

### General

The Gamewell-FCI Velociti® Series addressable output supervised control module (AOM-2SF) allows a Gamewell-FCI analog addressable fire alarm control panel to switch an external power supply, such as a DC supply or audio amplifier (up to 80 V<sub>RMS</sub>) to notification appliances. The AOM-2SF notification appliance circuit can be wired either Class A (Style Z) or Class B (Style Y). It also supervises the wiring to the connected loads and reports their status to the panel as NORMAL, OPEN or SHORT CIRCUIT. The module contains a panel controlled LED.

The Velociti® Series use a communication protocol that substantially increases the speed of communication between the SLC devices and certain Gamewell-FCI analog addressable fire alarm control panels. 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 result is a superior response speed up to five times greater than the earlier designs.

The AOM-2SF module is designed for installation in the signaling line circuit of any Gamewell-FCI analog addressable fire alarm control panel. The signaling line circuits of Gamewell-FCI analog addressable fire alarm control panels are designed to accommodate up to 159 modules per circuit. The AOM-2SF is designed to mount in a 4" (10.16 cm) square junction box 2 1/8" (5.5 cm) deep.

Table 1 lists the relay contact ratings.

Current Rating	Maximum Voltage	Load Description	Application
3A	30 VDC	Resistive	Non-Coded
2A	30 VDC	Resistive	Coded
0.9A	110 VDC	Resistive	Non-Coded
0.5A	125 VAC	Resistive	Non-Coded
0.5A	30 VDC	Inductive (L/R=5ms)	Coded
1A	30 VDC	Inductive (L/R=2ms)	Coded
0.5A	125 VAC	Inductive (PF=.35)	Non-Coded
0.7A	75 VAC	Inductive	Non-Coded

Table 1: Relay Contact Ratings

### Ordering Information

**AOM-2SF:** Addressable output supervised control module

## FEATURES & BENEFITS

- Listed under UL® Standard 864 and UL2572 for Mass Notification
  - Designed as a compact size to allow easy installation
  - Includes Class A, Style Z, or Class B, Style Y notification appliance circuit
  - Accommodates audio amplifiers up to 80 V<sub>RMS</sub>
  - FM Listed as suitable for a releasing device service
  - Includes a bi-color LED that flashes green whenever the module is addressed, and lights steady red upon activation\*
- \*Note 1: Only the red LED is operative in panels that do not operate in Velociti® mode  
\*Note 2: The bi-color LED functionality is not available on the GWF-7075 panel.



AOM-2SF

# Velociti® Series AOM-2SF Technical Specifications

## SYSTEM

**Supervisory Current:** 0.00375 amps

**Alarm Current:** .0065 amps

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

**Relative Humidity:** 10 to 93% relative humidity (non-condensing)

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

## 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 AOM-2SF are designed to comply with the following standard:

**UL Standards:** 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

**FM:** 3023594

**MEA FDNY:** 227-03-E Vol. IV

**CSFM:** 7300-1703:0102

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

## Honeywell Gamewell-FCI

12 Clintonville Road  
Northford, CT 06472-1610  
203.484.7161  
[www.honeywell.com](http://www.honeywell.com)

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