

by Honeywell

Description

The Gamewell-FCI 600 Series analog addressable Fire Alarm Control Panel (FACP) will provide all of the required functions to control the releasing of bulk fire suppressant materials. The Gamewell-FCI 600 Series analog addressable FACP's are currently listed for NFPA 13 Sprinkler, NFPA 15 Water Spray, NFPA 11 Low-Expansion Foam, NFPA 16 Water Foam, NFPA 17 Dry Chemical, and NFPA 2001 Clean Agent types of suppressant. The Gamewell-FCI Releasing Solenoid Interface (RSI-95) is an intelligent addressable interface for the remote control and supervision of activation solenoids used in releasing applications.

The Releasing Solenoid Interface (RSI-95) is an addressable Releasing Service Module, providing intelligent analog addressable control functionality complete with full solenoid supervision and transient voltage suppression. Only the RSI-95 can be used to actuate the releasing solenoid. The RSI-95 is automatically bypassed during a SmartStart™ or circuit initialization to prevent accidental discharge during the generic configuration, should inputs be inadvertently activated.

The analog addressable RSI-95 solenoid control module is designed for use with any 600 Series FACP. To avoid unplanned fire suppressant release, the RSI-95 assembly is the ONLY assembly to be used to provide remote releasing solenoid control. The circuit can control up to two amps of DC power to the solenoid. The RSI-95 is powered and controlled via the analog addressable signaling line circuit and the solenoid power is obtained from the control panel or a UL-Listed fire protection 24 VDC power supply. The RSI-95 fully supervises the releasing solenoid.

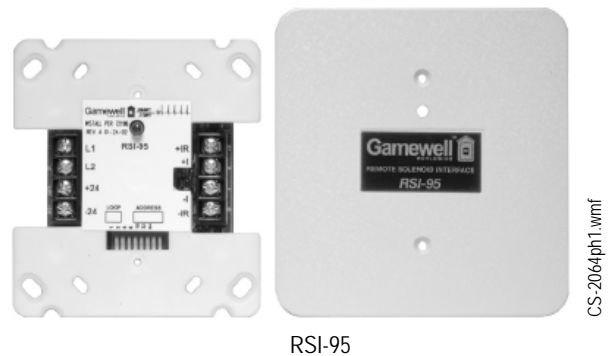
Installation Guideline

Install the RSI-95 according to NFPA 70, NEC 760, and any applicable local codes.

NOTE: Only one each RSI-95 and solenoid may be connected together for each releasing circuit. The RSI-95 is designed to fit on a 4.688" (11.908 cm) by 2.125" (5.397 cm) deep electrical box (user supplied).

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Releasing Solenoid Interface



CS-2064ph1.wmf

Features

- Compatible with the Gamewell-FCI 600 Series analog addressable fire alarm control panels.
 - Provides full solenoid supervision.
 - Transient voltage suppression.
 - Mounts in its own unique base.
 - Automatic bypass at system start-up.
 - 2.0 A of DC power for solenoid.
 - Types of Suppressants:
 - NFPA 13 Sprinkler.
 - NFPA 15 Water Spray.
 - NFPA 11 Low Expansion.
 - NFPA 16 Water Foam.
 - NFPA 17 Dry Chemical.
 - NFPA 2001 Clean Agent.
- NOTE: Releasing systems must be designed by properly qualified personnel.

An ISO 9000-2000 Company



GAMEWELL-FCI

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Specifications are for information only, are not intended for installation purposes, and are subject to change without notice. No responsibility is assumed by Gamewell-FCI for their use.

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Installation Guideline (Continued)

The addition of the trim ring (P/N 70839) allows flush installation. The total voltage drop from the power supply to the end of the solenoid circuit shall not exceed two volts. The RSI-95 must have its address programmed before the system will operate correctly.

Installation

Connect the system wiring to the four-position terminal block L1, L2, P1, P2 per wiring diagram A-W532-1. Connect the solenoid device wiring to the four-position terminal block per wiring diagram A-W572.

IMPORTANT! Maximum L1 – L2 loop resistance should not be more than 25 ohms.

CAUTION:

No wiring connections should be made while the system is powered.

Specifications

Temperature:	0°C to 49°C (32°F to 120°F)
Humidity:	85%, non-condensing
Power:	21 VDC from analog addressable module.
+P and –P, or +24 and –24:	24 VDC from UL-Listed power source.
Normal Current:	6.5 mA
Alarm Current:	6.5 mA + solenoid load
Solenoid Circuit	2.0 A power-limited steady operation
Rating:	
Mounting:	4.0" (10.16 cm), 4.688" (11.908 cm), double-gang electrical box

Ordering Information

Model	Description
RSI-95	RSI-95 assembly consists of an RSM-95 analog addressable Releasing Service Module and integral SID Solenoid Interface Device. NOTE: RSM-95 and SID no longer available separately.
70839	Flush trim ring for RSM-95.

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