

by Honeywell

Description

The Gamewell-FCI Relay Control Element (RCE-95) is the interface between the Gamewell-FCI, 600 Series and IL95-E3 Series® Fire Alarm Control Panel (FACP) analog circuits and building functions such as door holders, elevators, dampers, motors and disconnects. The RCE-95 offers feedback input points for positive confirmation of the controlled device's activity. For annunciation and feedback at the panel, Gamewell-FCI offers a Relay Control Display (RCD). The RCD is only available with the IdentiFlex 632 and IF650 FACPs.

The RCE-95 can be either surface or flush mounted and has an integral LED which annunciates upon device activation.

Operation

The devices connect to the SLC circuit of the FACP via a two-wire non-polarized circuit. In its quiescent mode, the RCE-95 monitors its internal circuitry for status of the device itself and supervises an external control circuit for status.

When a status change is detected, the event can be programmed to display on the optional RCD module (IF632 and IF650 only). When an event is reported to the control panel that requires the activation of the RCE-95, the control panel communicates via the analog circuit to the RCE-95 for activation. The integral LED is also lit for annunciation at the device.

Programming

The RCE-95 is programmed by setting a single DIP switch easily accessible on the RCE-95's printed circuit board. The DIP switch is used to set the address of the device. All other programming is accomplished at the Fire Alarm Control Panel, either through a laptop computer or the control panel operator's display. (600 Series only).

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Relay Control Element

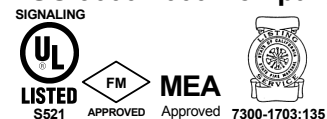


RCE-95

Features

- Compatible with the Gamewell-FCI, 600 Series and ILI95-E3 Series analog addressable FACPs
- Form-C dry relay contacts
- Event or manual controllable relay functions
- Positive feedback of relay activation
- LED annunciates activation
- Fully supervised
- Surface or flush mounting
- Field programmable
- Style 4, 6, or 7 wiring
- Screw terminals for field wiring connections

An ISO 9000-2000 Company



GAMEWELL-FCI

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Mounting

The RCE-95 is designed to mount in a standard 4.688" (11.908 cm) electrical backbox. The RCE-95 should be mounted in an easily visible location so that the built-in LED indicators may be easily seen and display the proper connection and device activation.

Engineer's Specifications

A programmable interface device shall be provided for the control and status reporting of programmed relay control functions. The RCE-95 shall communicate with the Fire Alarm Control Panel via an analog circuit (SLC) over a single pair of wires.

The device shall provide dry contacts and positive feedback of the controlled equipment's status annunciating upon activation. It shall be Gamewell-FCI RCE-95.

Specifications

Input Power:	24 VDC from analog circuit
Standby Current:	0.0008A
Alarm Current:	0.0015A
Operating	
Temperature:	32°F to 120°F (0°C to 49°C)
Relative Humidity:	93% non-condensing
Fuse:	2 amp Slo Blow
Contact Rating:	2.0 amp at 30 VDC 0.2 amp at 120 VAC
Dimensions:	4.688" (11.908 cm) backbox

Ordering Information

Part Number Description

RCE-95	Relay control element device. XP95 protocol compatible.
70839	Trim ring for flush mounting the RCE-95.
RCD	Optional relay control display; provides annunciation of the RCE-95 control element devices at the FACP. One needed for every eight RCEs.

Note: The Relay Control Display (RCD) is only compatible with the IF632 and IF650 FACP's.

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Description

The Gamewell-FCI Signal Control Element (SCE-95) is the interface between the 600 Series and ILI95-E3 Series[®], fire alarm control panels' (FACPs) analog circuits and building functions. The SCE-95 connects to the panel via the SLC circuit. The SCE-95 provides a means to remotely locate a fully supervised circuit for the operation of signaling appliances such as horns, strobes, and horn/strobes. For annunciation and feedback at the panel, Gamewell-FCI offers a Signal Control Display (SCD). The SCD is only available with the IdentiFlex 632 and IF650 FACPs.

The SCE-95 is capable of switching 24 VDC. When used as a remote signaling circuit, the SCE-95 provides all the necessary supervision of the circuit and trouble reporting via the analog circuit.

The Signal Control Element (SCE-95) can be surface or flush mounted and has an integral LED which annunciates upon device activation.

Operation

The Signal Control Element connects to the SLC of the fire alarm control panel (FACP) via two-wires. In its standby mode, the SCE-95 monitors its internal circuitry for status of the device itself and supervises the external control circuit for faults. In the event that a fault is detected, the SCE-95 will report a trouble to the FACP.

When an event is reported to the fire alarm control panel (FACP) that requires the activation of the SCE-95, the control panel communicates via the analog circuit to the SCE-95 and the signaling circuit is actuated. The integral LED is also lit for annunciation at the device.

Programming

The SCE-95 is programmed by setting a single DIP switch easily accessible on the printed circuit board. The SCE-95's DIP switch is used to set the address of the device.

All other programming is accomplished at the fire alarm control panel (FACP), using either a laptop computer or the control panel operator's display. (600 Series only).

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Signal Control Element

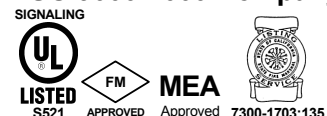


SCE-95

Features

- Compatible with the Gamewell-FCI, 600 Series and ILI95-E3 Series, analog addressable fire alarm control panels (FACPs)
- Supervises and operates the notification appliance circuit
- Supervises DC power-in
- LED annunciates activation
- Fully supervised
- Surface or flush mounted
- Field programmable
- Style 4, 6, or 7 wiring
- Screw terminals for field wiring connections
- 24V 2.0A output

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Mounting

The SCE-95 is designed to mount in a standard 4.688" (11.908 cm) electrical backbox. The SCE-95 should be mounted in an easily accessible location so that the built-in LED indicators may be easily seen and display the proper connection and device activation.

Engineer's Specifications

A programmable electronic device shall be provided for the remote control of notification appliances. The device shall communicate with the main FACP via the SLC circuit. It shall supervise its notification appliance circuit and include an LED for circuit activation annunciation. It shall be Gamewell-FCI SCE-95.

Specifications

Normal Current (Circuit): 8 μ A

Alarm Current (Circuit): 1.7 mA

Normal Current (\pm 24V): 0.0065A

Alarm Current (\pm 24V): 0.00635A + Signal Load

Operating

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

Relative Humidity: 93% non-condensing

P+, P- Power: 24 VDC from control panel or UL Listed for fire power supply

Fuse: 2 amp PTC

NAC Circuit Rating: 2 amp power-limited steady signaling for DC appliances

Output Rating: 0.2 amp DC signal circuit

Auxiliary input Power: 24 VDC signaling power

Dimensions: 4 11/16" x 4" x 1 1/2"
(10.44 x 10.16 x 3.8 cm)

Ordering Information

Part Number Description

SCE-95 Signal control element device. XP95 protocol compatible.

70839 Trim ring for flush mounting the SCE-95.

SCD Optional signal control display; provides annunciation of the SCE-95 control element devices at the FACP. One needed for every eight (8) SCE Modules. Compatible with only the IF632 and IF650 FACP.

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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.

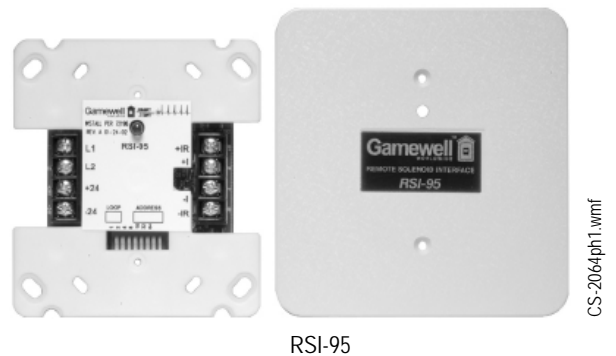
Installation Guideline

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).

SmartStart™ is a trademark of Honeywell International Inc.

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.

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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.

GAMEWELL-FCI

by Honeywell

Description

The Gamewell-FCI Building Control Element (BCE-95) is the interface between the 600 Series and ILI95-E3 Series® Fire Alarm Control Panel (FACP). It is also the interface between building functions that require a three position (HOA) (On/Off/Auto) control capability. The BCE-95 offers feedback input points for positive confirmation of the controlled device's activity. The BCE-95 connects to the panel via the SLC circuit.

The BCE-95 is assigned to a Building Control Display (BCD) at the FACP via software programming. For Identiflex 632 and IF650 FACPs, the Building Control Display (BCD) provides annunciation, control and feedback of the BCE-95 at the main FACP. The BCD is only available with the Identiflex 632 and IF650 FACPs.

The BCE-95 can be either surface or flush mounted and has an integral LED that lights at device activation.

Operation

When an event is reported to the FACP that requires the activation of the BCE-95, the FACP communicates via the analog circuit to the BCE-95, and the selected building control relay is actuated. The integral LED then lights for annunciation of the device.

In the event that a manual command is transmitted from the Building Control Display (BCD) at the control panel, the BCE-95 device will respond and override the auto-programmed activation until the alarm event has been resolved and reset.

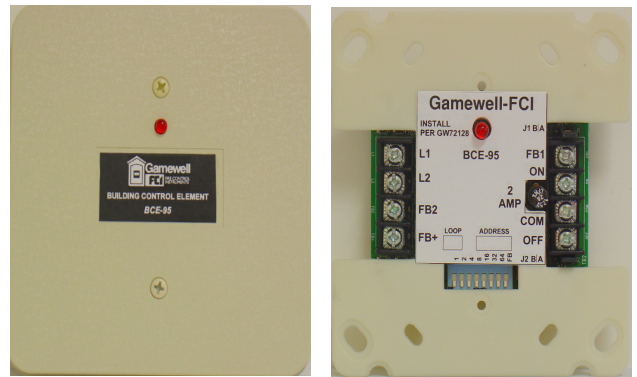
Programming

The BCE-95 is programmed by setting a single DIP switch easily accessible on the device's printed circuit board. The DIP switch is used to set the address of the BCE-95. All other programming is accomplished at the control panel, using either a laptop computer or the control panel operator's display. (600 Series only).

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Building Control Element

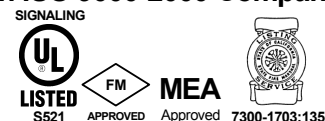


BCE-95

Features

- Compatible with the Gamewell-FCI, 600 Series and ILI95-E3 Series FACPs
- LED annunciates activation
- Fully supervised
- Surface or flush mounted
- Field programmable
- Style 4, 6 or 7 wiring
- Screw terminals for field wiring connections
- Dry relay contacts
- Includes controllable relay functions
- Provides positive feedback of relay control
- Separate on/start, off/stop operation

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Mounting

The BCE-95 is designed to mount in a standard 4 11/16" H x 4" W (10.44 H x 10.16 W cm) or double-gang electrical back-box. The BCE-95 should be mounted in an easily accessible location so that the built-in LED indicators may be easily seen and display the proper connection and device activation.

A programmable remote interface along with a panel mounted, three-position, switch unit shall be provided for the control and status reporting of programmed building control functions. The remote interface shall communicate with the main control panel via an SLC over a single pair of wires. The BCE-95 shall provide dry contacts and positive feedback of the controlled equipment's status. On/Off control and annunciation at the panel shall be provided via a building control display switch and annunciator unit. For the IF632 and IF650 FACPs, the remote interface shall be the Gamewell-FCI BCE-95 used with a Gamewell-FCI BCD display.

Specifications

Standby Current:	0.0008 A
Alarm Current:	0.0015 A
Operating Temperature:	32°F to 120°F (0°C to 49°C)
Relative Humidity:	93%, non-condensing
Contact Rating:	2 amp @ 30 VDC 0.2 amp @ 120 VAC
Input Power:	24 VDC from analog circuit
Fuse:	2 amp Slo Blow
Dimensions:	4 11/16" H x 4" W x 1 1/5" D (10.44 H x 10.16 W x 3.8 D cm) double-gang electrical box

Ordering Information

Part Number	Description
BCE-95	Building control element device. XP95 protocol compatible
70839	Trim ring for flush mounting the BCE-95
BCD	Building control display provides annunciation and an ON/OFF/AUTO control of the BCE-95 control element devices, mounts at the FACP. One needed for every eight BCEs.

Note: The Building Control Display (BCD) is only compatible with the IF632 and IF650 FACPs.

GAMEWELL-FCI

by Honeywell

Description

The Gamewell-FCI City Tie Expander (CTX-95) is a single-circuit, reverse-polarity transmitter that provides the interface between the Fire Alarm Control Panel (FACP) and a municipal system or central station. The CTX-95 connects to the panel via a three-wire SLC circuit. The most common usage is transmitting supervisory signals and their faults on a separate city tie from the main system, and to transmit alarms to a central station to indicate building alarm or arrival entrance to building.

The CTX-95 is either surface or flush mounted and has an integral LED that lights at device activation.

Operation

The CTX-95 is a programmable reverse polarity city tie circuit. The module contains the XP-95 protocol to communicate with the Gamewell-FCI 600 Series of analog addressable control panels. The module provides the power and supervision for the reverse polarity city tie. Programming CTX-95 selected circuits insures that only their alarms and troubles are transmitted to the central station.

Programming

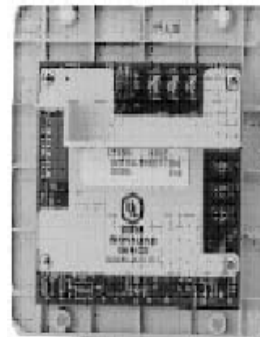
The CTX-95 is programmed by setting a single DIP switch easily accessible on the device's printed circuit board. The DIP switch is used to set the address of the CTX-95. All other programming is accomplished at the Fire Alarm Control Panel, either through a laptop computer or through the Control Panel Operator's Display.

Mounting

The CTX-95 mounts in a standard 4.688" (11.908 cm) electrical backbox. The CTX-95 should be mounted in an easily accessible location so that the LED may be seen for quick indication of proper connection and activation.

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City Tie Expander



CTX-95

gc282ph1.jpg



CTX-95

CS-2042ph2.wmf

Features

- Compatible with all Gamewell-FCI 600 Series analog addressable FACPs.
- Connects to addressable SLC.
- Provides one reverse polarity circuit.
- Over-voltage protector built-in.
- LED annunciates activation.
- Fully supervised.
- Surface or flush mounting.
- Field programmable.
- Style 4, 6, or 7 wiring.
- Screw terminals for field-wiring connections.

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Engineer's Specifications

The contractor shall furnish and install an electronic addressable reverse polarity transmitter. It shall connect to the FACP via a three-wire SLC circuit. It shall be fully programmable and supervised with a LED to indicate activation. It shall be Gamewell-FCI CTX-95.

Specifications

Input Power:	24 VDC from three-wire analog circuit.
Quiescent Current:	0.002 A
Alarm Current:	0.02 A
Operating Temperature:	0° C to 49° C (32° F to 120° F)
Relative Humidity:	85% non-condensing
Housing Requirements:	4.6888" (11.908 cm) backbox
Output Rating:	0.015 A maximum

Ordering Information

Model	Description
CTX-95	City tie expander provides one reverse polarity city connection for addressable loop. XP95 protocol compatible.
70839	Trim ring for flush-mounting CTX-95.