RCE-95

Description

Relay Control Element

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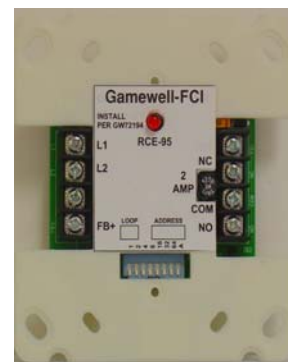
When a status change is detected, the event can be programmed to display on the optional RCD module (IF632 and IF650 only). When an event is reported to the control panel that requires the activation of the RCE-95, the control panel communicates via the analog circuit to the RCE-95 for activation. The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

Features

- Compatible with the Gamewell-FCI, 600 Series and ILI95-E3 Series analog addressable FACPs

- Supports Form-C dry relay contacts

- Offers event or manual controllable relay functions

- Provides positive feedback of relay activation

- Contains LED annunciates activation

- Is fully supervised

- Has surface or flush mounting

- Field programmable

- Style 4, 6, or 7 wiring

- Includes Screw terminals for field wiring connections

SIGNALING

UL LISTED S521   FM APPROVED   MEA Approved   7300-1703:0135

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 FACPs.