SCE-95

Signal Control Element

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).

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
- Provides LED annunciates activation
- Is fully supervised
- Contains surface or flush mounted
- Field programmable
- Style 4, 6, or 7 wiring
- Includes screw terminals for field wiring connections
- Supports 24V 2.0A output

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

ISO 9001 CERTIFIED ENGINEERING & MANUFACTURING QUALITY SYSTEMS

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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 µA
Alarm Current (Circuit):	1.7 mA
Normal Current (± 24V):	0.0065A
Alarm Current (± 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.