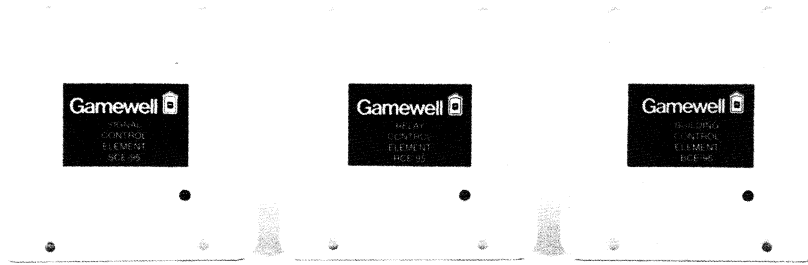


# IdentiFlex 600 Series Addressable Control Element Devices



## Features

- LED Annunciates Activation
- Fully Supervised
- Surface or Flush Mounting
- Field Programmable
- Style 4,6 or 7 Wiring
- Screw Terminals for field wiring connections
- U.L. Listed

## Relay and Building Control Elements:

- Dry Relay Contacts
- Provides Controllable Relay Functions
- Provides Positive Feedback of Relay Control

## Signal Control Elements:

- Supervises and Operates Audio/Visual Devices
- Supervises DC Power-In
- Supervises Releasing SID Interface

## CTX-95

- City Tie Expander
- Connects to Addressable Loop
- Provides 1 reverse polarity circuit
- Over voltage protector built in

## Description

Gamewell's IdentiFlex 600 Series of Addressable Control Element devices provide the interface between the IF600 analog circuits and building functions. The

Relay Control Element (RCE-95) provides contacts for remote control of building functions such as door holders, elevators, dampers, motors and disconnects. A Relay Control Display is also available for use with the RCE-95. A Building Control Element (BCE-95) is also available for use with ON/OFF/AUTO control of the IdentiFlex 600 Series Building Control Display. Both the RCE-95 and the BCE-95 offer feedback input points for positive confirmation of the controlled device's activity.

The Signal Control Element (SCE-95) provides a means to remotely locate a fully supervised circuit for the operation of signaling appliances such as horns, strobes, horn/strobes and solenoids. A Signal Control Display is also available for use with the SCE-95. 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 Gamewell CTX-95 is a single circuit reverse polarity transmitter that will connect to the 600 Series XP-95 protocol analog circuit systems utilizing a 3 wire analog addressable loop. The most common usage is to transmit supervisory signals and their faults on a separate city tie from the main system. Another use would be transmitting alarms to the central station to indicate building of alarm or arrival entrance to building.

The IdentiFlex 600 Series of Addressable Control Element devices are designed for either surface or flush mounting. Each Control Element Device is equipped with an integral LED which annunciates device activation.

## Operation

The SCE, BCE and RCE Control Element Devices connect directly to the analog circuit of the IdentiFlex 600 Series control panel via two wires. The CTX-95 device connects directly to the analog circuit of the IdentiFlex 600 Series control panel via three wires.

In its quiescent mode, the Control Element device 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 Control Element device will report a trouble to the IdentiFlex 600 control panel.

When an event is reported to the IdentiFlex 600 control panel that requires the activation of the Control Element device, the control panel communicates via the analog circuit to the Control Element Device and the relay, building control relay or signaling circuit is actuated. The integral LED is also lit for annunciation at 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.

The CTX-95 provides a programmable reverse polarity city tie circuit. The module contains the XP95 protocol to communicate with the 600 series of analog addressable controls. The module provides the power and supervision for the reverse polarity city tie. Programming selected circuits to the CTX-95 insures that only their alarms and troubles are transmitted to the central station.

## Programming

Programming of the Addressable Control Element devices (RCE-95, BCE-95, CTX-95, SCE-95) is accomplished through the setting of a single DIP switch easily accessible on the device's printed circuit board. The DIP switch is used to set the address of the device. All other programming is

accomplished at the Identiflex control panel, either through the use of a laptop computer or through the IF600 Operator's Display.

For detailed operation, programming and installation, please refer to the IF600 reference manual.

### Standard Application

The Identiflex 600 Series of Addressable Control Element devices are intended to provide control over external system functions or remote signal circuits.

RCE-95 units can be used to operate dry contacts with positive status feedback of the controlled equipment for door holders, AHU shutdown, etc.

The BCE-95 unit provides automatic and manual ON/OFF/AUTO control of building HVAC systems with positive status feedback

of the controlled equipment.

When used for remote signaling control, the SCE-95 can be used to reduce field wiring requirements over standard hard wire signaling circuits. This can improve both system performance and initial installation costs. The SCE-95 will interface with the SID module for solenoid releasing.

### Engineer's Specifications

Addressable Control Element devices shall be provided for the control and status reporting of programmed building control functions. The SCE, BCE and RCE devices shall communicate with the main control panel via an analog circuit over a single pair of wires. The CTX-95 device shall communicate with the main control panel via an analog circuit over three wires.

Control Element devices shall provide dry

contacts and positive feedback of the controlled equipment's status (Gamewell models RCE-95 and/or BCE-95).

The Control Element devices shall provide supervised remote signal appliance circuits (Gamewell model number SCE-95). The combination of SCE-95 and the SID (Solenoid Interface Device), provide an interface for preaction and Deluge releasing.

### Installation

The RCE-95, BCE-95, SCE-95 and CTX-95 are designed to mount in a standard 4<sup>1</sup>/<sub>16</sub>" electrical backbox. Control Element devices should be located in easily accessible and visible locations so that the built-in LED may be seen for quick indication of proper connection and alarm location.

### Electrical/Mechanical Specifications

	RCE-95	BCE-95	SCE-95	CTX-95
Input Power	24 VDC from Analog Circuit	24 VDC from Analog Circuit	24 VDC from Analog Circuit	24 VDC from 3 wire Analog Circuit
Quiescent Current	.5 mA	.8 mA	.5 mA	.5 mA
Alarm Current	1.5 mA	1.8 mA	1.5 mA	1.5 mA
Operating Temperature	0°C to +49°C	0°C to +49°C	0°C to +49°C	0°C to +49°C
Relative Humidity	85% Non-Condensing	85% Non-Condensing	85% Non-Condensing	85% Non-Condensing
Housing Requirements	4 <sup>1</sup> / <sub>16</sub> " Backbox	4 <sup>1</sup> / <sub>16</sub> " Backbox	4 <sup>1</sup> / <sub>16</sub> " Backbox	4 <sup>1</sup> / <sub>16</sub> " Backbox
Contact Rating	2 Amp at 30 VDC .5 Amp at 120 VAC	2 Amp at 30 VDC .5 Amp at 120 VAC	N/A N/A	N/A N/A
Output Rating	N/A	N/A	2 Amp DC Signal Circuit	20 mA max.
Auxiliary Input Power	N/A	24 VDC Signalling Power	N/A	N/A

### Ordering Information

Supplied	QTY	Model	Description
<input type="checkbox"/>	_____	RCE-95	Identiflex 600 Series Relay Control Element device. XP95 Protocol Compatible.
<input type="checkbox"/>	_____	RCD	Identiflex 600 Series Relay Control Display
<input type="checkbox"/>	_____	BCE-95	Identiflex 600 Series Building Control Element device. XP95 Protocol Compatible. BCD is required to use BCE-95.
<input type="checkbox"/>	_____	BCD	Building Control Display provides feedback annunciation and ON/OFF/AUTO control for up to 8 BCE-95 Control Element devices. The BCD is required to use the BCE-95
<input type="checkbox"/>	_____	SCE-95	Identiflex 600 Series Signal Control Element device. XP95 Protocol Compatible.
<input type="checkbox"/>	_____	SCD	Identiflex 600 Series Signal Control Display device.
<input type="checkbox"/>	_____	CTX-95	Identiflex 600 Series City Tie Expander; provides one reverse polarity city connection for Addressable loop. XP95 Protocol Compatible.
<input type="checkbox"/>	_____	SID	Identiflex 600 Series Solenoid Interface Device. Interfaces solenoids to SCE-95. (FM listed only)
<input type="checkbox"/>	_____	70839	Trim Ring for flush mounting.

Note: Control Element Displays (RCD, BCD, SCD) are only compatible with Identiflex 600 Series control panels which have in-cabinet expansion module slots. They mount at the control panel.



Specifications and wiring information are provided for information only and are believed to be accurate. However, Gamewell assumes no responsibility for their use. Specifications are subject to change without notice; installation and wiring instructions shipped with the product should always be used for actual installation.