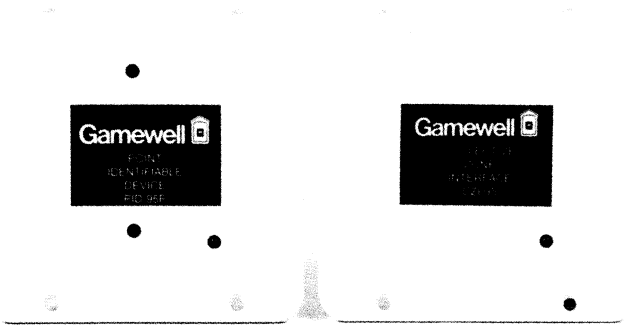
Gamewell WORLDWIDE

Data Sheet 3150

IdentiFlex 600 Series Addressable Input Interface Devices



Features

- Monitors normally open contact Devices
- Monitors conventional smoke detectors
- LED for alarm annunciation
- Single or multiple device interfaces
- Surface or flush mounting
- Field Programmable
- Screw terminals for field wiring connections
- Style B, C, D and E wiring

Description

Gamewell's IdentiFlex 600 Series of Addressable Input Interface Devices provide the interface between the IF600 analog circuits and contact devices or conventional-type smoke detectors. The input devices are available as either a single Point Identification Device (PID-95) or as a Conventional Zone Interface (CZI-95) capable of monitoring up to 25 conventional-type detectors. Convent-ional Zone Interface modules are available for either Style B, C, D or E wiring. Point Identification Devices provide for a Style B circuit.

The Single Point Identification Device PID-95 is designed for concealed mounting in an electrical backbox. The Conventional Zone Interface device CZI-95 and a plastic-mounted version of the Point Identification Device PID-95P are designed for surface or flush mounting and are provided with an LED for annunciation.

Operation

The IF600 single Point Identification Device connects directly to the analog circuit via two wires. The PID-95 will monitor, via a two wire supervised circuit, a single contact-type device such as a waterflow switch or manual station. (For information on Gamewell's Analog Addressable Manual Pull Station (model # MS-95), which incorporates PID-95 circuitry into its design, reference Data Sheet 3180.) Upon activation of the monitored device, the PID-95 will report its address to the IdentiFlex control panel via the analog circuit. The control panel will then activate all programmed outputs related to the PID-95 in alarm.

Each IF600 analog loop at the control panel can support up to 40 CZI-95's along with a limited number of other devices (for specific wiring requirements, refer to the Installation Manual). The IdentiFlex 600 Series Conventional Zone Interface is capable of monitoring up to 25 conventional smoke detectors via a 3-wire circuit. The CZI-95 acts as a remotely located conventional zone. The CZI-95 provides a supervised circuit for connection to conventional-type devices such as smoke detectors or contact devices. If any detector on the CZI-95's circuit goes into alarm, the CZI-95 will report its address to the main control panel via the analog circuit and initiate the programmed response. The LED on the conventional detector and the CZI-95 will illuminate, indicating that the device is in alarm.

If a trouble is detected on the monitored circuit, the CZI-95 will report the trouble condition to the Identiflex 600 control panel. The CZI-95 will detect troubles from either the field wiring or a connected device.

Programming

Programming of the PID-95 and the CZI-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 and the priority interrupt. 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 PID-95 and the CZI-95 are intended to provide the interface between conventional devices and the analog circuit of the IdentiFlex 600 Series control panel. They provide a means of connecting and identifying monitor points without the use of conventional input modules at the main control panel. The use of CZI-95's and PID-95's can dramatically reduce the field wiring required on many projects by reducing the number of wires required on the installation.

Engineer's Specifications

Addressable interface devices shall be provided for the monitoring and

supervision of conventional-type devices connected to the Fire Alarm control panel. The devices shall monitor either a single device (Gamewell model number PID-95) or shall provide a remote conventional zone (Gamewell model number CZI-95), as shown on the drawings. The remote conventional zone shall be programmable for alarm verification and shall have the capacity to monitor up to 25 conventional smoke detectors. The addressable interface devices shall communicate to the main control panel via the analog addressable circuit.

Installation

The PID-95 is designed to mount in standard electrical backboxes. When used to monitor a manual station, the PID-95 will mount directly behind the manual station in the same backbox. When monitoring other contact devices the unit can be mounted in a standard double-gang backbox.

The CZI-95 and the PID-95P are on a surface mounted plate with an optional flush ring; these devices are designed to mount in a $4^{11}/_{16}$" backbox. CZI-95's and PID-95P's should be located in easily accessible and visible locations so that the built-in LED may be seen for quick indication of alarm location.

Electrical/Mechanical Specifications

	PID-95	PID-95P	CZI-95
Quiescent Current	.5 mA.	.5 mA	10 mA
Alarm Current	1.5 mA	1.5 mA	100 mA
Operating Temperature	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
Mounting	4" square backbox with blank cover plate	$4^{11}/_{16}$" Backbox	$4^{11}/_{16}$" Backbox

Ordering Information

Supplied	QTY	Model	Description
❑	_____	PID-95	Single Point Identification Device for monitoring single contact devices for IdentiFlex 600 Series Analog Circuits, XP95 Protocol Compatible
❑	_____	PID-95P	PID-95 Addressable Input Interface Device mounted on a $4^{11}/_{16}$" plastic plate
❑	_____	CZI-95	Conventional Zone Interface for monitoring contact devices or conventional smoke detectors for IdentiFlex 600 Series Analog Circuits. Monitors up to 25 conventional detectors, XP95 Protocol compatible.
❑	_____	70839	Trim Ring for flush mounting the CZI-95 or the PID-95P
❑	_____	28762	Backbox for surface mounting manual stations

Note: Each IF 600 Analog Loop can support up to 40 CZI-95's; however the IF 610 system can support up to 40 CZI's total per system with a maximum loading of 40 CZI-95's per a single loop or 40 CZI-95's spread across several loops.

Gamewell WORLDWIDE

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