

IdentiFlex 600 Series Addressable Manual Station (MS-95)



Features

- Compatible with Gamewell's IdentiFlex 600 Series Analog Control Panels
- Utilizes XP-95 Protocol
- Field Programmable
- Durable Construction
- Compact design, blends with surroundings
- Recessed pull lever prevents accidental operation
- Self-clearing breakglass option
- Shock and vibration resistant
- Surface or semi-flush installation
- Double action option
- Key reset option
- U.L. listed
- ADA Approved

Description

Gamewell's MS-95 Addressable Manual Pull Station is designed to be used with Gamewell's Analog Addressable IdentiFlex 600 Series of Control Panels. The MS-95 satisfies architectural requirements for a manual alarm initiating device. It contains a switch which is internally connected to the electronic interface that is required for individual addressable identification to and from the IdentiFlex 600 Control Panel.

The Addressable Manual Station is shock and vibration resistant as no mercury element type contacts are used. A toggle switch of rugged construction provides exceptionally high resistance to

accidental operation from sudden shock. Accidental operation from contact with moving objects also is virtually impossible as the pull lever does not protrude. The Addressable Manual Pull Station model MS-95 can be used for both surface and semi-flush installations. It is of compact design, blends in well with all building interiors, yet is easily recognized in an emergency situation. The Addressable Manual Pull Station complies with UL Standard 38 for manual stations.

Operation

The station is activated by simply pulling forward a readily identifiable bullseye alarm lever marked "Pull". Upon activation, this lever locks in the alarm position and remains so until reset by an authorized person. Resetting is accomplished by releasing the hinged front cover and manually resetting a toggle switch. Release of the cover is accomplished by a releasing screw or, if utilizing the Key Reset Option, a CAT60 Key.

An optional breakglass rod may be used with all stations. This option is typically specified for its psychological value in the prevention of malicious false alarms and tampering. The self-clearing design prevents jamming of the station and there is no danger to the operator from broken particles of glass. Space is provided within the station housing for storage of one replacement glass rod.

The MS-95 connects directly to the Analog Addressable circuit via two wires. The electronic circuitry has been designed to transmit data that can be interpreted as three output operations:

Normal Quiescent Operation, Alarm Operation and Trouble Operation. In its quiescent mode of operation, the pull station's electronics monitor the switch for alarm conditions. A trouble condition occurs when the pull station is addressed by the control panel and either reports back a trouble response or does not respond at all. Upon activation of the pull station the MS-95 will report its address to the IdentiFlex control panel via the analog circuit. With a standard priority interrupt feature using XP-95 protocol, the MS-95 will report its condition virtually instantaneously. The control panel will then activate all programmed outputs related to the MS-95 in alarm. The alarm condition will continue until the switch within the pull station has been physically reset.

Programming

Programming of the MS-95 Manual Station 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 600 control panel, either through the use of a laptop computer or through the IF600 Operators Display.

Standard Applications

The MS-95 Manual Pull Station provides an individually addressed manual alarm initiating input to Gamewell's IdentiFlex 600 Series of Analog Addressable Systems. Manual Stations are typically located at exit doors and exit stairwells. The MS-95 Manual Station may be

interconnected on the same Analog Circuit as any other Identiflex 600 Series XP-95 device.

Engineer's Specification

The manual fire alarm station shall be a Gamewell Analog Addressable Manual Pull Station model number MS-95 and shall be listed by U.L. Inc. The analog addressable manual pull station shall contain the electronic interface circuitry required for individual device identification, alarm reporting and trouble supervision. It shall communicate to the main control panel via the analog addressable circuit. The single action non-coded station shall consist of a die-cast aluminum housing fitted with a pull out lever which, when operated, locks in position after activating an alarm initiating contact. Resetting the station after operation shall require opening the front cover for access to the alarm switch.

The manual pull station shall be adaptable

for surface or semi-flush installation. In addition, there shall be provisions for a self-clearing break-glass mechanism and a key operated general alarm switch accessible only after the pull out lever has been activated.

Installation

The MS-95 Addressable Manual Pull Station should be installed approximately five feet from the finished floor level. (Refer to local building codes for exact location requirements.) For surface mounting, a die-cast backbox P/N 28762 must be ordered separately. This backbox has tapped holes top and bottom for 3/4" conduit.

For semi-flush installation, use a 4" square by 2 1/8" deep backbox (RACO 231) with a single-gang extension ring. The total depth between the back of the wall box and the face of the plaster ring must be at least 2 1/2". RACO 772 4" square device cover for one device should be

used with RACO 231 backbox. If a 1 1/2" deep box is used, the plaster ring must be at least 1" deep (RACO 774). A single gang switch box cannot be used.

For detailed operation, programming and installation instructions, please refer to the IF600 Reference Manual.

Options

Breakglass Rod: The glass rod is placed in the slots on the hinged front of the manual station behind the pull lever. The rod is broken when the lever is pulled forward to activate an alarm.

Double Action: The operator must lift this cover before the pull lever can be pulled down.

Key Reset (Semi-flush only): A standard CAT60 key is used to reset the station.

Electrical/Mechanical Specifications

Quiescent Current	.35 mA
Alarm Current	1.35 mA
Operating Temperature	0°C + 49°C
Relative Humidity	85%, Non-Condensing
Material	Die-Cast Aluminum
Finish	Fire Alarm Red, smooth gloss enamel. Raised cast letters are high-lighted. Target background for pull lever is white gloss enamel.
Dimensions	4 5/8" High by 3 1/4" Wide by 2" Deep (from the backplate)
MS-95 with Key Reset Option	6 1/4" High by 3 1/4" wide by 2" deep (from the backplate)
Surface Backbox P/N 28762	4 5/8" High by 3 1/4" Wide by 2 3/8" Deep

Ordering Information

Supplied	Quantity	Model	Part Number	Description
<input type="checkbox"/>	_____	MS-95		Analog Addressable Manual Pull Station with XP95 Protocol
<input type="checkbox"/>	_____		30653	Double Action Option
<input type="checkbox"/>	_____		30653-01	Key Reset Option
<input type="checkbox"/>	_____		30653-02	Key Reset/Double Action Option
<input type="checkbox"/>	_____		28762	Backbox, Surface Mount
<input type="checkbox"/>	_____		27060	Breakglass Rod



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.