

# FI-MPS Addressable Series

## Manual Stations



Intelligent / Addressable Initiating Devices

### General

The Fire•Lite MPS Addressable Series manual stations provide reporting for Fire•Lite's ULC-listed fire alarm control panels. These high quality, die cast metal manual stations include screw terminal connections, and integrated break-glass rod. The alarm contact for the manual station is rated for 1A, 24VDC. The contacts are gold plated to avoid the risk of corrosion.

The MPS Series manual stations are available as single or two-stage for addressable systems. Models FI-MPS-SA/SAC are single-stage manual stations. Models FI-MPS-2AC/2A (two-stage models) are similar to the FI-MPS-SC (single-stage models) except they contain an additional 2nd Stage normally open key-switch. A 2nd stage key is supplied with each unit to activate the 2nd Stage key-switch.

All models are available with screw terminal connectors and a hex key for reset. Two-stage models also include a key-switch and 2 keys. All addressable models require an additional trim plate (sold separately) to mount on a 4" electrical box (RMS-TP3) or a 2 gang electrical box (RMS-TP1) with a minimum depth of 5.5cm (2.125"). All addressable models can mount to a single gang electrical box for retrofit situations when used with an extension ring (MPS-ER, sold separately).

For surface mounting, use Fire•Lite surface back-box with all addressable manual stations.



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### Operation

The Fire•Lite MPS Series manual stations are operated by pulling the handle on the front of the station. To reset the manual station, open the manual station with the hex key (provided) and place the handle in the normal upright position. Replace the break-glass rod, and close the manual station front cover.

The FI-MPS two-stage models include a key switch which is located above the handle. Operation of the key-switch, when connected to a separate alarm initiating circuit, will activate the second stage of a two-stage alarm signaling system.

To reset the second stage activation, return the key-switch to the original position before resetting the fire alarm control panel.

Models provided with an ancillary contact for mag-lock release, will simultaneously release the locally connected mag-lock upon pulling the handle on the front of the manual station.

### Features

- Constructed of high quality die-cast metal
- Highly visible red enamel finish
- English and French lettering
- Single action pull lever design
- Optional dual action lever kit
- Integrated break-glass
- Hex key resettable
- Screw terminal connectors
- Optional ancillary contact for local mag-lock release
- Single-stage and two-stage models
- Key-switch activation for second stage
- Fully addressable using LiteSpeed® or CLIP technology
- Single-stage addressable manual stations require one address on a data communications link (DCL) circuit

- Two-stage addressable manual stations require two addresses on a data communications link (DCL) circuit
- Surface or semi-flush mounting
- All addressable models mount on a standard 4" square electrical box or a two-gang electrical box with suitable semi-flush mounting plate (sold separately)
- All addressable models can mount to a single-gang electrical box for retrofit situations when used with an extension ring (MPS-TR, sold separately)

### Architectural/Engineering Specifications

The manual station is the Fire•Lite FI-MPS series. Operating instructions appear in English and French lettering. The unit is constructed of high quality die cast metal and finished in red enamel paint to be easily identified. When the handle is pulled, the manual station initiates an immediate operation of the alarm detection circuit. In addition, those manual stations installed in a two-stage system are equipped with a key-switch designed to operate the second stage alarm initiating circuit. Manual stations shall have the option of an ancillary contact for local mag-lock release. Manual stations are listed with Underwriters Laboratories Canada (ULC). Manual stations are required to be installed to the current Canadian Electrical Code and the current CAN/ULC – S524 (Standard for the installation of Fire Alarm Systems) and comply with CAN/ULC-S528, (Manual Stations for Fire Alarm Systems, Including Accessories). Manual stations must be installed within the limits defined by the national/local requirements. Final acceptance is subject to the local authority having jurisdiction.

Manual stations are provided with a hex key–operated reset lock to reset the device after the manual station has been operated and to allow access for testing. The stations are designed so that after an actual emergency operation the stations cannot be

restored to normal operation without the use of the supplied hex key. The manual stations are provided with an integrated break-glass feature.

The addition of the dual action adapter cover (MPS-LP) requires the operator to first lift the cover and then pull the handle of the manual station.

All addressable models require an additional trim plate to mount on a 4" electrical box or a two-gang electrical box, both with a minimum depth of 5.5cm (2.125"). Addressable models can mount to a single-gang electrical box for retrofit situations when used with an extension ring (MPS-ER).

For surface mounting, use Fire•Lite surface back-box MPS-DBB with all addressable manual stations.

Addressable models will have screw terminal connectors for connection to the fire control panel data communications link (DCL). The address of the manual station is selected through the use of two rotary decimal switches.

## Agency Listings and Approvals

- ULC listed: S711

## Specifications

**Dimensions:** 121mm (H) x 82mm (W) x 61mm (D), 4.75" (H) x 3.22" (W) x 2.40" (D)

**Normal Operating Voltage:** 24.0 VDC

**Maximum DCL Voltage:** 32.0 VDC

**Maximum DCL Current:** Single-stage 550  $\mu$ A, Two-stage 1100  $\mu$ A

**Ambient Temperature:** 32°F to 120°F (0°C to 49°C)

**Relative Humidity:** 93%  $\pm$  2% RH (non-condensing) at 32°C  $\pm$  2°C (90°F  $\pm$  3°F)

**Wiring Connections:** #18 to #12 AWG

**Color:** Red with white letters, bilingual (English/French). White pull bar with red letters

### ALL MODELS WITH ANCILLARY CONTACTS

#### Ancillary Contact Ratings:

- 30 VAC 6 amps Resistive, 6 amps Inductive
- 30 VDC 6 amps Resistive, 3 amps Inductive

**NOTE:** All models are for use indoors in a dry location.

## Product Line Information

### ADDRESSABLE MANUAL STATIONS

**FI-MPS-SA:** Addressable single-stage manual station. English/French lettering.

**FI-MPS-SAC:** Addressable single-stage manual station. N/C ancillary contact included. English/French lettering.

**FI-MPS-2A:** Addressable two-stage manual station. English/French lettering.

**FI-MPS-2AC:** Addressable two-stage manual station. N/C ancillary contact included. English/French lettering.

For conventional manual stations, see DF-60420.

## ACCESSORIES

**MPS-LP:** Lift/pull dual action adapter cover for use with the MPS Series manual stations. English/French lettering.

**RMS-TP3:** Mounting plate for semi-flush mounting addressable manual stations to a 4" square electrical box, red.

**RMS-TP1:** Mounting plate for semi-flush mounting addressable manual stations to a two-gang electrical box, red.

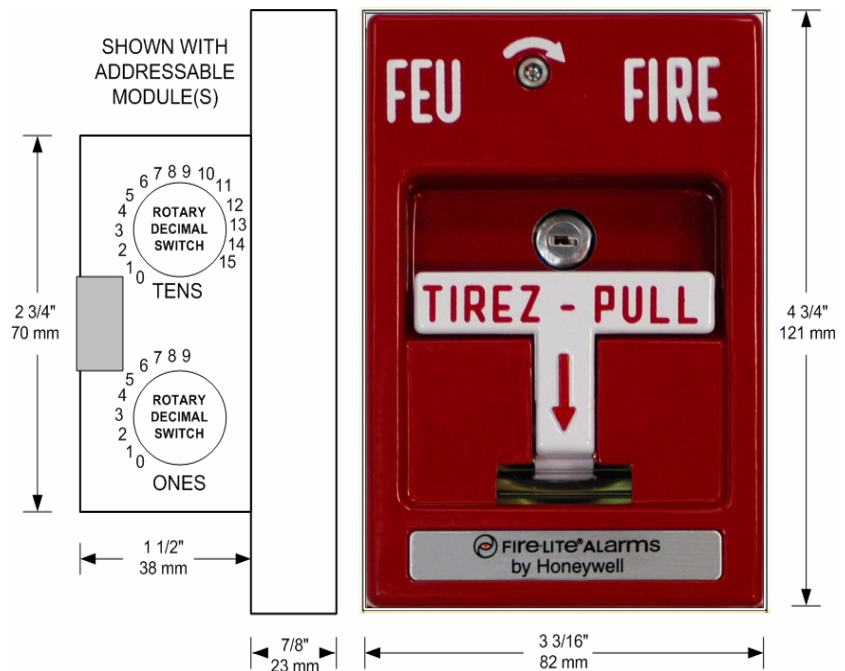
**MPS-DBB:** Deep surface back-box, for use with addressable models. 123.83mm(H) x 82.5mm(W) x 57.2mm(D) 4.88"(H) x 3.25"(W) x 2.25"(D)

**MPS-ER:** Extension ring for addressable models using existing single-gang electrical boxes.

**RMS-GR/10:** Replacement break-glass rods. Package of 10.

**PS-AWRC-029:** Replacement Hex Key

**MPS-KEY:** Replacement 2nd Stage Key



**NOTE:** Screw terminals (not shown) are located behind addressable modules.

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