FMM-7045 Manual stations, MUX, red

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Invented for life

▶ Easy addressing with rotary switches

▶ Terminal connections and low current draw

▶ Key-lock reset

▶ Replaceable scored acrylic break rod option

▶ UL Listed and ADA compliant

The FMM-7045 MUX manual stations are UL Listed fire alarm initiating devices. They can be connected along with other multiplex (MUX) devices on the FPE-7039, D7039, DS9431 MUX expansion modules. The FPE-7039 or D7039 are used with the FPD-7024 or D7024 FACPs. The DS9431 is used with the DS9400 FACPs. The FACPs supervise the entire MUX loop, including the manual stations, for troubles, alarms, and ground fault conditions. Each manual station occupies only one address on the MUX bus. A manual station can be addressed for any point within the MUX module's 9 to 255 range.

A manual station is generally installed near building exits, allowing persons evacuating the building to activate the fire alarm. They have optional scored acrylic break rods and a pull handle that locks in the activated position. These features allow easy identification of alarm activation points.

The manual stations have a low profile and rounded edges to fit most design applications. They are manufactured in conformance with the standards set forth in the Americans with Disabilities Act (ADA). All components are painted or have plated surfaces to inhibit corrosion. Non-corroding screw terminals are provided for wire connections.

Functions

Alarm Action

The single-action FMM-7045 has a white pull-down lever in its center. The dual-action FMM-7045-D has a white push lever above the white pull-down lever in its center. When pulled down the pull-down lever latches and sends an alarm signal to the control panel over the MUX bus. The pull-down lever only resets when the correct key unlocks the manual station and the unit is opened. The latched lever can then be restored to the normal position.

Certifications and approvals

Region	Regulatory compliance/quality marks	
USA	UL	UL 38, Manual Signaling Boxes for Fire Alarm Systems
	CSFM	see www.boschsecurity.com (the Bosch website)
	FDNY-CoA	6173

Installation/configuration notes

Compatibility Information

The following table lists control panels compatible with these manual stations:

Control Panels

Active products:

FPD-7024 with an FPE-7039 or D7039 MUX expansion module

Legacy prorducts:

D7024 (firmware revision 2.0 or greater) with a D7039 MUX expansion module

DS9400 (firmware revision 2.0 or greater) with a DS9431 Multiplex Expander, Fire

Addressing

Addresses are set using three rotary switches. For programming information, refer to the appropriate FACPs *Installation Instructions*.

Mounting

The manual stations are for indoor use only.

> **ⓘ Notice**
>
> Use a pull station from the FMM-100 family rated for the environment for outdoor use or in an unheated area. Wire the manual station to a MUX module within the interior of the building.

The manual stations:
- Surface mount on the FMM-100DBB-R Surface-mount Deep Back Box
- Flush or surface mount on a 3 in. x 2 in. x 3½ in. device box (like a Steel City CXWLE)
- Flush mount on a 4 in. x 2 1/8 in. square box with a 5/8 in. mud ring. (Like the Steel City 52171 box and Steel City 52-C-14-5/8 mud ring.)
- Flush mount on a standard four-inch square back box with a single-gang mud ring. The total depth of the box must be at least 2.25 in. (5.7 cm)

> **ⓘ Notice**
>
> These manual stations fit an FMM-100DBB-R Back box, but do **not** fit an FMM-100BB-R Back Box.

Wiring

The terminal block accepts wiring up to 12 AWG (ISO 4 mm^2) in diameter.
For MUX wiring information, refer to the FPE-7039, *D7039,* or the DS9431 *Installation Instructions*.

> **⚠ WARNING**

This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to: www.P65Warnings.ca.gov.

Technical specifications

Electrical

Mux Bus Average Current Draw (alarm and standby)	0.55 mA
Voltage (operating)	12 VDC nominal (provided by the MUX bus)

Environmental

Environment	Dry, indoor
Radio Frequency Interference (RFI) Immunity	No alarm on critical frequencies in the range from 26 MHz to 950 MHz at field strengths less than 30 V/m.
Temperature (operating)	+32°F to +120°F (0°C to +49°C)

Mechanical

Dimensions (L x W x H)	4.75 in. x 3.75 in. x 3.25 in. (12 cm x 9.5 cm x 8.2 cm)
Material	Die cast zinc alloy and steel
Weight Gross Net	0.606 kg (1.34 lb.) 0.420 kg (14.82 oz.)

Ordering information

FMM-7045 Multiplex manual station, single, red
The single-action manual station is UL listed and meets Americans with Disabilities Act (ADA) requirements. An address on the polling circuit is easily set with rotary switches. The pull-down handle locks in the activated position. It is reset by opening the unit with a key and then relocking it.
Order number **FMM-7045**

FMM-7045-D Multiplex manual station, double, red
The double-action manual station is UL listed and meets Americans with Disabilities Act (ADA) requirements. An address on the polling circuit is easily set with rotary switches. The pull-down handle locks in the activated position. It is reset by opening the unit with a key and then relocking it.
Order number **FMM-7045-D**

Accessories

D102 Replacement key for D101 lock set

The D102 is a replacement key for locks stamped with 1358.

Order number **D102**

FMM-100DBB-R Surface backbox, 4.75x3.25x2.75", red

The red FMM-100DBB-R Surface-mount Deep Back Box is used with the FMM-7045 Multiplex Addressable Manual Stations which are too deep for a standard back box. It can also be used with any of the FMM-100 Manual Stations.

Order number **FMM-100DBB-R**

FMM-100GR Break rods, scored acrylic, 12pcs

Scored acrylic rods (12 per package)

Order number **FMM-100GR**