

# FMM-7045 Multiplex Addressable Manual Stations

www.boschsecurity.com



**BOSCH**  
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 Multiplex Manual Stations are UL Listed fire alarm initiating devices that can be connected along with other multiplex devices on the D7039 Multiplex Expansion Module. The FPD-7024 or D7024 Addressable Fire Alarm Control Panel (FACP) supervises the entire multiplex loop, including the FMM-7045 or FMM-7045-D manual stations, for troubles, alarms, and ground fault conditions. Because each manual station occupies only one address on the multiplex bus, it can be addressed for any point within the 9 to 255 range allowed by the multiplex expansion module.

These manual stations are generally installed near building exits such as stairways and doors, allowing persons evacuating the building to activate the fire alarm. They have optional scored acrylic breakrods and a pull handle that locks in the activated position, to allow easy identification of alarm activation points. These manual stations are high-quality units constructed entirely of non-toxic materials. They have a low profile and rounded edges to fit most design applications. All components are painted or have plated surfaces to inhibit corrosion. Non-corroding screw terminals are provided for wire connections.

They are manufactured in conformance with the standards set forth in the Americans with Disabilities Act (ADA).

## 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. Pulling down the pull-down lever latches it into place and sends an alarm signal to the control panel over the multiplex bus. The pull-down lever cannot be reset unless the correct key is inserted into the manual station's lock and the unit is opened. The latching lever can then be restored to its normal position.

## Certifications and approvals

Region	Certification	
USA	UL	UNIU: Boxes, Non-Coded (UL38)
	CSFM	see our website
	FDNY-CoA	#6173

## Installation/configuration notes

### Compatibility Information

The following table lists control panels compatible with the FMM-7045 and FMM-7045-D manual stations:

Control Panels
<b>Active products:</b>
FPD-7024
<b>Legacy products:</b>
D7024*
* with firmware revision 2.0 or greater and with a D7039 Multiplex Expansion module

### Addressing

Addresses are set using three rotary switches. For programming information, refer to the *D7024 FACP Operation and Installation Guide* or the *FPD-7024 Operation and Installation Guide* and the *FMM-7045, FMM-7045-D Multiplex Addressable Manual Stations Installation Instructions*.

### Mounting

The manual stations are for indoor use only.



#### Notice

If a pull station is needed for outdoor use or in an unheated area, use an FMM-100 Family Pull Station rated for the environment and wired to a multiplex module within the interior of the building.

The FMM-7045 manual stations flush or surface mount on a standard four-inch square back box with a single-gang mud ring so that the total depth of the box is at least 2.25 in. (5.7 cm).



#### Notice

These manual stations do **not** fit an FMM-100BB-R Back Box.

### Wiring

The terminal block accepts wiring up to 12 AWG (ISO 4 mm<sup>2</sup>) in diameter.

For multiplex wiring information, refer to the *D7039 Installation Instructions*.

## Parts included

Quant.	Component
1	Manual station
1	FMM-100GR Scored Acrylic Breakrod
1	D102 Key (1358)
1	Literature pack

## Technical specifications

### Environmental Considerations

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 Properties

Dimensions (H x W x D):	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

### Power Requirements

Current Draw (Mux Bus Average):	Alarm: 0.55 mA Standby: 0.55 mA
Voltage (Operating):	12 VDC nominal (provided by the MUX bus)

## Ordering information

### FMM-7045 Single-Action Manual Station

The single-action manual station is UL listed and meets Americans with Disabilities Act (ADA) requirements. Its address on the polling circuit is easily set with rotary switches. The pull handle locks in the activated position and is reset by opening the unit with a key and then relocking it.

Order number **FMM-7045**

### FMM-7045-D Double-Action Manual Station

The double-action manual station is UL listed and meets Americans with Disabilities Act (ADA) requirements. Its address on the polling circuit is easily set with rotary switches. The pull handle locks in the activated position and is reset by opening the unit with a key and then relocking it.

Order number **FMM-7045-D**

### Accessories

#### D102 Replacement Key

Replacement key (#1358) for LOCK-1358 and the D101 lock.

Order number **D102**

### FMM-100GR Scored Acrylic Break Rods

Scored acrylic rods (12 per package)

Order number **FMM-100GR**

---

**Represented by:**

**Americas:**

Bosch Security Systems, Inc.  
130 Perinton Parkway  
Fairport, New York, 14450, USA  
Phone: +1 800 289 0096  
Fax: +1 585 223 9180  
security.sales@us.bosch.com  
www.boschsecurity.us

**Europe, Middle East, Africa:**

Bosch Security Systems B.V.  
P.O. Box 80002  
5617 BA Eindhoven, The Netherlands  
Phone: + 31 40 2577 284  
Fax: +31 40 2577 330  
emea.securitysystems@bosch.com  
www.boschsecurity.com

**Asia-Pacific:**

Robert Bosch (SEA) Pte Ltd, Security  
Systems  
11 Bishan Street 21  
Singapore 573943  
Phone: +65 6571 2808  
Fax: +65 6571 2699  
apr.securitysystems@bosch.com  
www.boschsecurity.asia

**China:**

Bosch (Shanghai) Security Systems Ltd.  
201 Building, No. 333 Fuquan Road  
North IBP  
Changning District, Shanghai  
200335 China  
Phone +86 21 22181111  
Fax: +86 21 22182398  
www.boschsecurity.com.cn

**America Latina:**

Robert Bosch Ltda Security Systems Division  
Via Anhanguera, Km 98  
CEP 13065-900  
Campinas, Sao Paulo, Brazil  
Phone: +55 19 2103 2860  
Fax: +55 19 2103 2862  
latam.boschsecurity@bosch.com  
www.boschsecurity.com