

# MMF-300-10(A)

## Ten-Input Monitor Module



Reviewed for Code Compliance  
Inspections Division  
Approved with Conditions

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### General

The **MMF-300-10 ten-input monitor module** is an interface between a control panel and normally open contact devices in intelligent alarm systems such as pull stations, security contacts, or flow switches.

The first address on the MMF-300-10 is set from 01 to 150 and the remaining modules are automatically assigned to the next nine higher addresses. Provisions are included for disabling a maximum of two unused addresses.

The supervised state (normal, open, or short) of the monitored device is sent back to the panel. A common SLC input is used for all modules, and the initiating device loops share a common supervisory supply and ground — otherwise each monitor operates independently from the others.

Each MMF-300-10 module has panel-controlled green LED indicators. The panel can cause the LEDs to blink, latch on, or latch off.

**NOTE:** Unless otherwise specified, the term **MMF-300-10** is used in this data sheet to refer to both the MMF-300-10 and the MMF-300-10A (ULC-listed version).

### Features

- Listed to UL Standard 864, 9th edition.
- Ten addressable Class B or five addressable Class A initiating device circuits.
- Removable 12 AWG (3.25 mm<sup>2</sup>) to 18 AWG (0.9 mm<sup>2</sup>) plug-in terminal blocks.
- Status indicators for each point.
- Unused addresses may be disabled.
- Rotary address switches.
- Class A or Class B operation.
- Flexible mounting options.
- Mounting hardware included.

### Specifications

**Standby current:** 3.5 mA (SLC current draw with all addresses used; if some addresses are disabled, the standby current decreases).

**Alarm current:** 55 mA (assumes all ten LEDs solid ON).

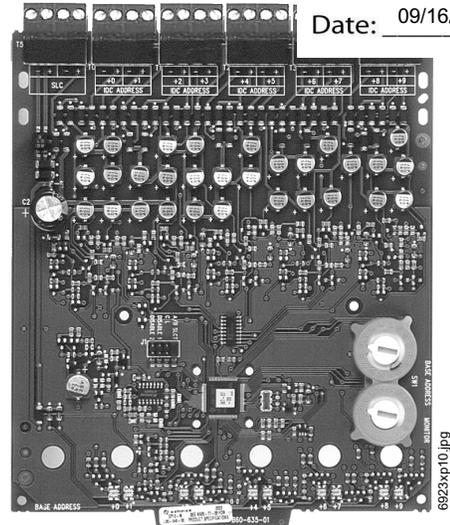
**Temperature range:** 32°F to 120°F (0°C to 49°C) for UL applications; -10°C to +55°C for EN54 applications.

**Humidity:** 10% to 85% noncondensing for UL applications; 10% to 93% noncondensing for EN54 applications.

**Dimensions:** 6.8" (172.72 mm) high x 5.8" (147.32 mm) wide x 1.25" (31.75 mm) deep.

**Shipping weight:** 0.76 lb. (0.345 kg) including packaging.

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### Mounting options:

- CHS-6 chassis: Up to 6 modules.
- BB-6F cabinet: Up to 6 modules.
- BB-2F cabinet: One or two modules.

**Wire gauge:** 12 AWG (3.25 mm<sup>2</sup>) to 18 AWG (0.9 mm<sup>2</sup>).

**Power-limited circuits** must employ type FPL, FPLR, or FPLP cable as required by Article 760 of the NEC.

**MMF-300-10 is shipped in Class B position;** remove shunt for Class A operation.

**Maximum SLC wiring resistance:** 40 or 50 ohms, panel dependent.

**Maximum IDC wiring resistance:** 1500 ohms.

**Maximum IDC voltage:** 10.2 VDC.

**Maximum IDC current:** 240  $\mu$ A.



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## Agency Listings and Approvals

The listings and approvals below apply to the MMF-300-10(A) Ten-Input Monitor Module. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- **UL Listed:** S2424
- **ULC Listed:** S2424
- **CSFM approved:** 7300-0075:205
- **FM approved**
- **MEA approved:** 55-02-E

## Product Line Information

**MMF-300-10:** Ten-input monitor module.

**MMF-300-10A:** Same as above with ULC Listing.

**BB-2F:** Optional cabinet for one or two modules. **Dimensions, DOOR:** 9.234" (23.454 cm) wide (9.484" [24.089 cm] including hinges), x 12.218" (31.0337 cm) high, x 0.672" (1.7068 cm) deep; **BACKBOX:** 9.0" (22.860 cm) wide (9.25" [23.495 cm] including hinges), x 12.0" (30.480 cm) high x 2.75" (6.985 cm); **CHASSIS (installed):** 7.150" (18.161 cm) wide overall x 7.312" (18.5725 cm) high interior overall x 2.156" (5.4762 cm) deep overall.

**BB-6F:** Optional cabinet for up to six modules mounted on CHS-6 chassis (*below*). **Dimensions, DOOR:** 24.0" (60.96 cm) wide x 12.632" (32.0852 cm) high, x 1.25" (3.175 cm) deep, hinged at bottom; **BACKBOX:** 24.0" (60.96 cm) wide x 12.550" (31.877 cm) high x 5.218" (13.2537 cm) deep.

**CHS-6:** Chassis, mounts up to six modules in BB-6F.

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