

General Monitors[®] HazardWatch FX-12 Fire & Gas System



Data Sheet



- FM certified to NFPA 72[®]
- Each panel accepts up to 12 analog inputs/outputs
- Data and event logging
- Color touch screen interface
- Allen-Bradley ControlLogix[®] PLC platform

■ NFPA 72 Compliance.

- Hardware and software have been tested by Factory Mutual (FM) to verify NFPA 72 (2013) compliance
- Redundant power system to support fire and gas panel per NFPA 72

■ Intuitive Interface.

- Easy to read operating dashboard that puts important information in front of the user in a way that can be understood quickly

■ Ease of Use.

- Local touch screen control and visibility with optional cloud-based remote monitoring
- Third party device support with 4-20mA input capabilities

■ Advanced Diagnostics.

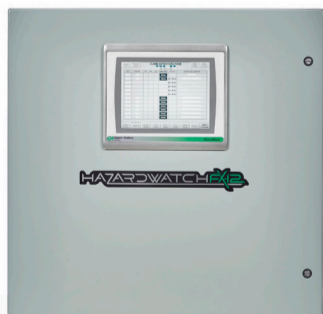
- Data and event logging provides operators with the information they need to administer and maintain system

■ Scalable Platform.

- Multiple communication interfaces: Modbus TCP/IP, EtherNet/IP, optional Modbus RTU
- Device Level Ring (DLR) networking reduces installation costs and complexity, with a loop topology to connect multiple systems in a single run
- Robust logic control features such as cause & effect and voting schemes

■ Remote Monitoring and Notifications.

- Enable sharing of critical operational data 24/7 through our FieldServer gateways and cloud-based services, MSA Grid FieldVEU and MSA FieldServer Manager



General Monitors® HazardWatch FX-12 Fire & Gas System



System Specifications	
DISPLAY	10.4" TFT Touchscreen
FUNCTIONAL INDICATORS	System Normal, Alarm, and Fault (located on touchscreen)
PRE-PROGRAMMED FUNCTIONS	Reset, Silence dry contact inputs
REMOTE ACCESS CAPABILITY	Remote display is available option through Ethernet connection
DIGITAL COMMUNICATIONS SUPPORTED	Modbus TCP/IP, Modbus RTU (optional), EtherNet/IP/DLR (included)
PROGRAM STORAGE RETRIEVAL/BACK UP OPTIONS	SD Card
HAZARDOUS AREA CLASSIFICATION	General Purpose
ENCLOSURE RATING	NEMA 12
WARRANTY	One Year after start-up

Environmental Specifications	
TEMPERATURE RANGE	32°F to 120°F (0°C to 49°C)
STORAGE TEMPERATURE RANGE	-31°F to 131°F (-35°C to 55°C)
HUMIDITY	0 to 90% RH, non-condensing

Mechanical Specifications	
HOUSING	Available in red or gray
DIMENSIONS	30" H x 30" W x 10" D
WEIGHT	140 lbs.
PART NUMBER	10236947 = Grey color; 12 Point NFPA 72 Fire & Gas System 10244802 = Red exterior; 12 Point NFPA 72 Fire & Gas System

Electrical Specifications	
INPUT POWER	85-264 VAC, 50-60 Hz (auto-switching input)
POWER CONSUMPTION	4.6 Amps @ 24 VDC (controller alone)
POWER CAPACITY	15.4 Amps @ 24 VDC (max field device power available @ 24 VDC)
MAX NUMBER OF INPUTS	Max: (12) Flame or Gas Detectors, (4) Class B supervised inputs (for smokes, MCPs, etc.)
INPUT TYPES SUPPORTED	Analog (4-20mA), discrete dry contact inputs
MAX NUMBER OF OUTPUTS	Max: (4) NACs (for horns and strobes), (2) Releasing Solenoids, (2) Mappable Relays, (1) Common Alarm, (1) Common Fault
OUTPUT TYPES SUPPORTED	NACs, 24VDC Solenoids and Relays
OUTPUT RELAY CONTACTS	2 Amp @ 240 VAC resistive, 2 Amp @ 30 VDC resistive
GROUND FAULT MONITORING	Included

Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice. MSA is a registered trademark of MSA Technology, LLC in the US, Europe, and other Countries. For all other trademarks visit <https://us.msasafety.com/Trademarks>.

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