Features
- Built-in type identification automatically identifies this device as a monitor module to the AUTOPULSE control unit
- Powered directly by two-wire SLC loop, no additional power required
- High noise (EMF/RFI) immunity
- SEMS screws with clamping plates for ease of wiring
- Direct-dial entry of address (01-159)*
- LED flashes green during normal operation (this is a programmable option), and latches on steady RED to indicate alarm
- FlashScan® communication protocol

Applications
Use the FDM-1 module to monitor two zones of four-wire smoke detectors, manual fire alarm pull stations, flow devices, or other normally-open dry-contact alarm activation devices. May also be used to monitor normally-open supervisory devices with special supervisory indication at the control unit. Monitored circuit may be wired as an NFPA Style B only. A 47K ohm End-of-Line Resistor (provided) terminates the Style B circuit. The FDM-1 does not support Style D (Class A) initiating device circuits. Maximum IDC loop resistance is 1500 ohms.

Description
The FDM-1 is a standard-sized dual monitor module used to monitor and supervise two independent two-wire initiating device circuits (IDCs) at two separate, consecutive addresses in intelligent, two-wire systems.

Each FDM-1 uses two consecutive addresses of the 159 available module addresses on an SLC loop. It responds to regular polls from the control unit and reports its type and the status (open/normal/short) of its IDC. A green flashing LED indicates that the module is in communication with the control unit. The LED latches on steady red to indicate alarm (subject to current limitations on the loop).

Technical Information
- Nominal Operating Voltage: 15 to 32 VDC
- Maximum Current Draw: 5.7 mA (LED on)
- Maximum IDC Resistance: 1500 ohms
- Average Operating Current: 750 µA (LED flashing)
- EOL Resistance: 47K ohms
- Temperature Range: 32 °F to 120 °F (0 °C to 49 °C)
- Humidity Range: 10% to 93% non-condensing

Dimensions:
- Height: 4.5 in. (114 mm)
- Width: 4 in. (102 mm)
- Depth: 2.125 in. (54 mm)

Installation
The FDM-1 module mounts directly to a standard 4 in. square, 2.124 in. (54 mm) deep, electrical box. Mounting hardware and installation instructions are provided with each module. All wiring must conform to applicable local codes, ordinances, and regulations. These modules are intended for power-limited wiring only.

CAUTION
Avoid duplicating addresses on the system.

* 01-99 with AUTOPULSE IQ-301 and IQ-396X
MOUNTING THE FDM-1 TO A 4 INCH SQUARE 2 1/8 INCH DEEP JUNCTION BOX

DETAIL OF FDM-1 – NOTE “ONES” ADDRESSES ARE 0, 2, 4, 6, 8 ONLY

TYPICAL DUAL TWO-WIRE STYLE B INITIATING DEVICE CIRCUIT CONFIGURATION

Wiring
• Connect modules to listed compatible AUTOPULSE control units only.
• All wiring shown is supervised and power limited.
• Install contact closure devices per manufacturers’ installation instructions.
• Any number of UL-listed contact closure devices may be used.
• DO NOT MIX fire alarm initiating, supervisory, or security devices on the same circuit.

Listings and Approvals*
UL. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . S635
ULC . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . CS669
Factory Mutual (FM) . . . . . . . . . . . . . . . . . . . . . . . . Approved
California State Fire Marshal (CSFM). . . . . . 7300-0028:202
• MEA (NYC) . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 143-01-E
• * Listings and Approvals are under NOTIFIER.

Ordering Information

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<th>Part No.</th>
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<th>Shipping Weight</th>
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