

IP Fire Series™ Addressable Switch Monitors

- **DXP-PIM,DXP-MPIM**
- **DXP-PID,DXP-MPID**

Description

The IP Fire Series™ control system provides for Analog Loop Modules (ALM's) that may be installed throughout a protected facility in any number up to the IPF system maximum of 50 modules. IPF Series™ ALM modules offer analog addressable signaling line (SLC) circuits that may each have up to 126 detectors or 126 addressable control devices in any combination.

AsBuilt switch monitors DXP-PIM, DXP-MPIM, DXP-PID and DXP-MPID are addressable devices that are a means of connecting and identifying conventional monitor points at the main IPF Series™ system. Switch monitors connect to the SLC, are programmed via an 8 pin DIL switch (1-7 for addressing, 8 for Class A/B), are polarity insensitive and are used to monitor a single Class A or B (Style D or B) circuit.

The switch monitors are designed to monitor the state of one or more single-pole, volt-free contacts connected on a single pair of cables.

In standby mode, the DXP-PID, -MPID, -PIM, -MPIM all monitor their internal circuitry for status of the device itself and supervises the switch circuit for faults. In the event a fault is detected, the modules will report a trouble to the IPF Series™ fire control.

AsBuilt switch monitors are available in two varieties (standard or priority-interrupt) under two different constructions (plate mounted for 4" boxes/mini-module with flying leads for use in a single gang box).

DXP-PIM and DXP-MPIM

The Point Identification Module (DXP-PIM) and the Mini Point Identification Module (DXP-MPIM) do not incorporate the priority interrupt feature. These devices produce output states of normal, off-normal, pre-alarm and alarm.

DXP-PID and DXP-MPID

The Priority Input Device (DXP-PID) and the Mini Priority Input Device (DXP-MPID) incorporate the priority interrupt feature. These devices are used where a fast response is required (as with pull stations). Priority input devices produce output states of normal, off-normal and alarm. These devices do not produce pre-alarm output states.

DXP-PIM and DXP-PID are designed to fit a standard 4" box. NEMA OS 1-1989 or equivalent. DXP-MPIM and DXP-MPID are contained in a simple two-piece plastic box suitable to fit into a single-gang junction box. These devices each have 6 flying leads (18 AWG wire).

These devices all use end of line monitoring resistance of 47kΩ.




Features

- **Plate mounted versions available for surface/flush mounting in 4" square boxes**
- **Field programmable**
- **Fully supervised**
- **Mini-Version with flying leads for compact field installation**
- **LED for polling/alarm annunciation**
- **Monitors dry contact devices**
- **Priority Interrupt available**
- **Class A or B**
- **DIL switch addressing**
- **SmokeClear™ alert signals when initiating device (pull station) has returned to normal position**
- **Green/RoHS Compliant**

Listings

UL File: S7003
CSFM: 7300-1394:108
MEA: 294-95-E-4

Product	Data Sheet Number	Rev/Revision Date	
IPF Series™ Switch Monitor	2810	1.3/ 5/1/2009	

Engineer Specification

The contractor shall furnish and install, where indicated on the plans, addressable interface devices for the monitoring and supervision of contact type devices connected to the Fire Alarm control. The devices shall monitor a normally open dry contact. The addressable interface devices shall communicate to the main fire control via the analog addressable circuit. The addressable interface device must be UL listed and UL listed as compatible with the AsBuilt IP Fire Series network fire controls. The addressable interface device shall be As Built Engineered Systems part numbers DXP-PIM, DXP-MPIM, DXP-ID and DXP-MPID.

Technical Data

All Devices:

Current Consumption: 600 μ A typically
LED on: 4 mA
Operating Temp: -4°F to 158°F
Humidity: 0% to 95% (no condensation or icing)
Shock: To UL 864
Vibration: To UL 864

DXP-PIM and DXP-PID:

Dimensions: 4 1/2"W x 4 1/2"H x 1 3/4"D
Weight: 3 oz
LED visible through fascia plate label

DXP-MPID and DXP-MPIM:

Dimensions: 3"W x 1 3/4"H x 3/4"D
Weight: 1.5 oz
LED visible on external body

Ordering Information

Part Number	Data Sheet	Description
DXP-PIM	2810	Point Identification Module (55000-805)
DXP-MPIM	2810	Mini Point Identification Module (55000-831)
DXP-PID	2810	Priority Input Device (55000-806)
DXP-MPID	2810	Mini Priority Input Device (55000-830)

Related Modules


DXP-IOM	2812	Input / Output Monitor (55000-820)
DXP-SDR	2814	Sounder (55000-825)
DXP-2PID	2816	Dual Priority Input Device (55000-790)
DXP-OCM	2818	Output Control Module (55000-863)

Related Data Sheets

Discovery Detectors: DISC-P, 2106; DISC-I, 2107; DISC-T, 2108; DISC-M, 2109

XP Detectors: XP-P, 2101; XP-I, 2102; XP-T, 2103; XP-M, 2104

Addressable Base Options: All Bases, 2310

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