

IP Fire Series™ Dual Point Identification Device

• DXP-2PID

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.

The AsBuilt Dual Priority Input Device (DXP-2PID) is an addressable dual switch monitor that is a means of connecting and identifying two conventional monitor point circuits at the main IPF Series™ system. DXP-2PID 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 one or two Class A or B (Style D or B) circuits.

The DXP-2PID are designed to monitor the state of one or more single-pole, volt-free contacts connected on a single pair of cables on two separate circuits.

AsBuilt DXP-2PID switch monitors are available for surface/flush mounting in 4" square boxes.

In standby mode, the DXP-2PID monitors its internal circuitry for status of the device itself and supervises both input circuits for faults. In the event a fault is detected, the DXP-2PID will report a trouble to the IPF Series™ fire control.

The DXP-2PID incorporates the priority interrupt feature on each of its two available circuits. Priority interrupt is 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.

Terminal Block Assignments

- TB1 L1 – Loop In/Out
- TB5 L2 – Loop In/Out
 L1 and L2 non-polarized
- TB3 Switch Monitor Circuit Class A or B

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




Features

- **Dual Class A/B Input Circuits on a single address**
- **Monitors dry contact devices**
- **Priority interrupt feature for fast response**
- **Dual LED's visible through the fascia plate label**
- **Field programmable**
- **Fully supervised**
- **Plate mounted for surface/flush mounting in 4" square boxes**
- **LED for polling/alarm annunciation**
- **DIL switch addressing**
- **Green/RoHS Compliant**

Listings

UL File: S7003

Product	Data Sheet Number	Rev/Revision Date	
IPF Series™ Dual PID	2816	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 one or two normally open dry contact circuits. 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-2PID.

Technical Data

Dual Priority Input Device:

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

Dimensions:

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

Ordering Information



Part Number	Data Sheet	Description
DXP-2PID	2816	Dual Priority Input Device (55000-790)

Related Modules

DXP-SDR	2814	Sounder Control Module (55000-825)
DXP-IOM	2812	Input / Output Monitor (55000-820)
DXP-OCM	2818	Output Control Module (55000-863)
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 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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