

IP Fire Series™ Base Options for Intelligent Detectors

- **DXP-4, DXP-6**
- **DXP-SND, DXP-RLY**

Description

A single set of IP Fire Series™ addressable bases work with both the XP and Discovery lines of intelligent detectors. Standard 4" (DXP-EZ4) and 6" (DXP-EZ6) bases are flat and unobtrusive. 4" and 6" four-wire relay bases and a 6" four-wire sounder base are also available.

All AsBuilt bases for intelligent detectors utilize the patented XPERT™ programming card. The card mechanically stores the device address in the base to ensure that the device address (and the custom programming in the IPF™ Series fire control associated with that address) cannot be moved or changed - regardless of how many times the detector head is replaced or maintained.

Addressing the analog detector is easily accomplished by knocking out a series of pips located on the XPERT™ programming card. The card is then inserted into the base. The pips now serve to configure mating switches that are located on the bottom of the detector. When the detector head is snapped into the base, the pips depress the switches on the detector and the address is set. Take the detector out of the base and the XPERT card remains fixed in the base ensuring that any detector placed on that base will be set with the same address.

Since the IPF Series™ fire control maintains all data related to the address location (such as device type, custom text and control-by-event programming) putting like-detectors in the wrong location will have no impact on system performance. If the wrong device type is inserted in an address that previously had a different device type, the IPF system will put a trouble on the system until the address is either restored to the original device type, or, until the maintenance personnel change the system to accept the newly installed device.

Four wire relay and sounder bases are available to add flexibility to the system in meeting all local requirements. Relay and sounder bases require separate 24V power supplies in accordance with NFPA.

When a relay (DXP-RLY) base's associated detector goes into an alarm state, the relay will transfer and remain energized until the detector is successfully reset to the normal state.

The sounder base (DXP-SND/T) offers selectable steady or temporal pattern outputs and selectable high or low volume levels. The three-pulse temporal pattern is required by NFPA 72 for fire alarm evacuation for commercial and residential applications. A series of synchronization modules (DXP65-xx) are available to synchronize an entire line or selective groups of sounder bases. See DS 2300.




Features

- **4" or 6" standard low-profile bases**
- **4" and 6" relay bases**
- **Steady or Three-pulse temporal sounder bases with high/low settings**
- **Sync modules for sounder bases allow for multiple configurations**
- **Zero insertion force**
- **Address locked into base**
- **Sleek, non-fading white polycarbonate**
- **Sounder bases completely backwards compatible with previous generations**
- **Relay bases completely backwards compatible with previous generations**
- **DXP-IB isolating base accepts any XP or DISC detectors without the need for separate line isolators – see DS 2300**

Listings

- 4" and 6" Bases:**
- **UL File: S5022, S5053**
 - **CSFM: 7300-1394:114**
 - **MEA: 294-95-E-4**
- Sounder Bases:**
- **UL File: S2829**
 - **CSFM: 7300-1004:117**
 - **MEA: 73-93-E vol.38**

Product	Data Sheet Number	Rev/Revision Date	
IPF Series™ Bases/Intelligent Detectors	2310	1.4/ 10/1/2009	

Engineer Specification

The contractor shall furnish and install, where indicated on the plans, either ionization, photoelectric, multisensor or thermal sensor addressable detectors with one of the several addressable mounting base options available. Mounting base options shall have the address mechanically located in the base to allow the free interchange of detectors. The combination detector head and base must be UL listed and UL listed as compatible with the AsBuilt IP Fire Series network fire controls. The detectors, bases and sync modules shall be As Built Engineered Systems part numbers XP-P, XP-I, XP-T, XP-M, DISC-P, DISC-I, DISC-T, DISC-M, DXP-4, DXP-6, DXP-SND/T, DXP-RLY, DXP-IB, DXI, DXP65.

Technical Data

DXP-EZ4 and DXP-EZ6:

Alarm Current: none
Standby current: none
Relay: none
Sounder: none
Addressing facility: yes
Captive terminals: yes

DXP-SND/T:

Quiescent Current: .03 mA

Alarm Current:
External Supply: 29 mA
Detector Head: 8 mA

High Volume Selection: 85db @ 10 feet
Low Volume Selection: 75 db @ 10 feet

Ordering Information


Part Number	Data Sheet	Description
DXP-4	2310	4" Analog Addressable Base (45681-210)
DXP-6	2310	6" Analog Addressable Base (45681-250)
DXP-RLY4	2310	4" Analog Addressable Relay Base (45681-242)
DXP-RLY	2310	4" Analog Addressable Relay Base (MB-RLYT-AA)
DXP-SND/T	2310	6" Analog Addressable Temporal Sounder Base (MB-SDRT-AA)
DXP65	2310	Sync Module – Temporal Sounder Bases (MB-SDRT-SM/G/R))

Related Modules

DXP-IB	2300	Isolating Base/Accepts any XP/Discovery Detector (45681-321)
DXI	2300	Line Isolator (55000-750)
DXP-LIB	2300	Base for DXI only (45681-211)
XP Detectors	2100-2104	XP Range of Detectors
DISC Detectors	2105-2109	Discovery Range of Detectors

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 Loop Devices: 2810-2818

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