

## DESCRIPTION

The FDX 5000 series panels are high quality, modularly constructed, conventional and analog addressable technology, fire alarm control panels .

The FDX 5000 comes with one FLC module with 2 SLCs (loop) and has expansion capabilities of up to 4 FLCs per system. Each FLC module has 2 loop circuits. One SLC can operate 126 devices, mixing or matching detectors and modules. The FDX 5000 panel is fully compatible with the Apollo XP95 and Discovery protocols.

In addition to the addressable SLC loops, the system can handle up to 6 conventional input zone modules, either 10 class "B" or 5 class "A" zones per module.

The FDX 5000 has Alarm and System trouble relay contacts, including the option to add another 70 (FRCs) individually programmable relays.

The FDX 5000 architecture allows the expansion modules to be remotely mounted for ease of installation up to 6000ft a part. Each expansion module can be mounted in its own separate cabinet and connected back to the FDX 5000 via two pairs of wires.

The FDX 5000 system can have up to 15 remote annunciators connected to the on board RS485 annunciator port.

The FDX 5000 series FACP tailors to technicians with remote diagnostic features allowing the ESD to trouble shoot the panel from his office before he dispatches a technician to the site by using the FireSense FSP PC programmer. Auto programming also provides technicians with quick, system specific (devices), databases with just a few keystrokes.

Automatic drift compensation (Discovery) provides a high level of reliability to building owners by allowing detectors to self compensate for changing environments. Some additional features beneficial to building owners are: day/night sensitivity modes; holiday scheduling for up to 20 holidays; alarm verification; and much more.



S4740



S8676

### Other

- Real-time clock/calendar display
- 1000-Event history log
- Password protected access to programming mode
- Optional module for Local Energy City Box
- Digital dialer/communicator interface
- Optional FCM conventional initiating zone modules can be connected via the RS-485

### AC Power

230 VAC or 120 VAC 50/60Hz  
Smart, Universal Power Supply

### DC Power

Standard 8.00 Amps total available for all outputs combined  
Intelligent dual-rate battery charger  
All outputs are filtered and regulated

### Notification/Auxiliary Power Circuits

4 Programmable circuits plus dedicated network power  
Each circuits programmable to be either a notification or auxiliary power output  
Notification circuits can be Style Y or Z  
Auxiliary power circuits can reset or be continuous  
3.00 Amp limit on current draw per circuit subject to limitation of power supply  
All circuits are current limited, filtered, and regulated  
All circuits fully supervised and protected from surges  
Programmable signal patterns: March Time, ANSI Temporal Code, Two-stage, Gentax

### Relay Outputs

2 System alarm relays form C  
1 System trouble relay form C  
Up to 70 programmable zone relays, form C, optional  
All relays rated at 5 Amps

### Analog Addressable Devices

The full range of Apollo analog devices Discovery and XP95 are fully compatible  
2 Digital SLC's standard, expandable to 8 SLC's  
Digital communication protocol  
Uses standard fire rated cable  
126 Addressable devices per SLC  
Style 4, 6, or 7 configuration  
All circuits fully supervised  
All circuits protected from surges

### Panel Annunciation and Remote

PDC-UR module contains:

Graphical LCD display 64x128 points with LED backlight  
17 key keyboard.  
25 System Status LEDs  
Indication by LCD screen of the system events and input/output system configuration parameters.  
LCD indication font - 6x8 points.  
Characters numbers 160 (8 lines x 20 characters).  
Multilanguage options - according to the customer order.  
System command entering by keyboard  
System status indication by LEDs  
Nominal power supply voltage - 24 VDC

### Cabinet

25.5" High x 14.5" wide x 4" deep  
Red 16-gauge CRS construction  
Space at bottom for batteries  
Knock-outs provided in top, sides, and back  
Removable Door has window and key lock

