

## Digital Addressable Fire Alarm Panel

MODEL: PX-16E/32E

ASES PX- 16E/32E series is compact cost effective digitally addressable FACP's (Fire Alarm Control Panels) with an extensive list of powerful features. The combination of ASES never senes devices and System Sensor series 300 detectors, offer the latest features in fire protection technology. LiteSpeed<sup>TM</sup> is a patented technology that polls 10 devices at a time looking for new or different Information. When new information is found at a specific address, the system polls that device several times for any new data. With this new polling scheme, devices can be wired on standard 1.5 sqmm wire up to a distance of 150 meter per zone. The panel comes with two different options—PX-16E covers 2 to 16 zone and PX-32E covers 18 to 32 zones. With the latest polling technology both the panels can handle maximum devices as 32X16 NOS and 32X32 NOS respectively.

### **PX-16E/32E panel have seven controlled key:**

RESET, LED CHECK, MUTE. EVACUATE. UP MENU and DOWN.

With last three keys and ATX (PS2) keyboard, the PX-16E/32E panels can be programd and controlled easily. The panels are Network-compatible FACP. using RS485 to make reliable network, with shielded standard twisted wire up to a distance 1200 meter.

Up to 27 panels (depends of panel type) can be connect on single network.

**PX-16E/32E series are network** - compatible FACP and is suitable for connecting up to 27 panel. The control panel is equipped with all the necessary Interfaces for connection to the fire services, and with relay outputs and a connection For the external devices.



PX - 32E



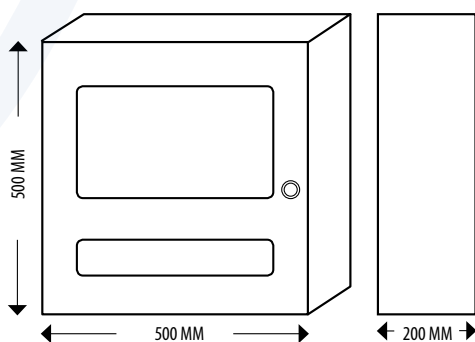
PX - 16E

## Features:

- Advanced microprocessor based DIGITAL ADDRESSABLE fire alarm panel
- 2 - 32 Zone digitally addressable zones
- Each zone supports 32 Addressable devices (anycombination)
- Supports ASES addressable MCP Monitor Module & CZMU.
- 32 Character field programmable point text for each Sensor
- 40 X 2 Character LC Display
- Networkable / Stand Alone Models
- Zone wise sounder circuit
- Event Logging with RTC
- TCP/IP Based Remote Monitoring (Optional)
- PC Based Graphic Software for easy monitoring (Optional)
- Field Programming through ATX Keyboard
- All Zone wiring circuits are supervised
- Operates on 220V 50Hz Ac Mains Power
- 24V DC Stand-by with built in charger
- RS 485 port for Repeater Panel
- Zone isolation facility.
- Zone wise fire, fault & isolation LED indication

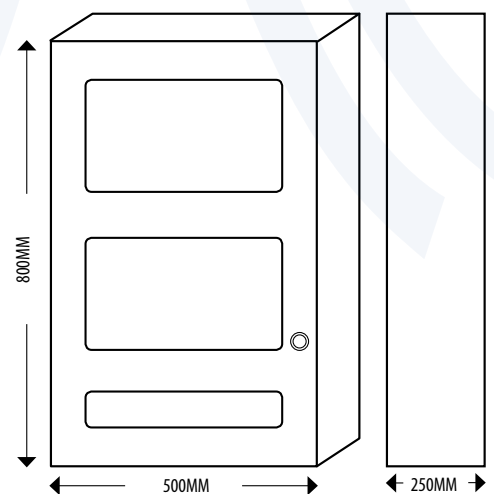
## Mechanical Specification:

Colour	White	
Construction	16 gauge (1.6mm) CRCA sheet with powder-coated finish	
IP Rating	IP50	
Cable Entry	24Nos x 19mm	
Model	PX - 16E	PX - 32
Weight (without Battery)	15 Kg.	25 Kg.
Width	500mm	500mm
Height	500mm	800mm
Depth	200mm	250mm



Front  
PX - 16E

Side



Front  
PX - 32E

Side

## CONTROL AND INDICATIONS

### LED Indications:

- Common Fire (Duel LED, Red)
- Common Fault (Yellow)
- AC power (Green)
- Stand BY (yellow)
- Charging (yellow)
- Trickle Charging (yellow)
- AC Fuse (yellow)
- DC Fuse (yellow)
- Reverse Battery (yellow)
- Charging Fuse (Yellow)
- Battery Low (Yellow)
- Earth Fault (Yellow)

### Control Switch:

- System Reset
- LED Check
- Mute Alarm
- Sound Alarm
- Go Next
- Select Menu
- Back Previous

## Ordering Information

### MODELS DESCRIPTION

PX- 2E	2 ZONE FIRE ALARM PANEL
PX- 4E	4 ZONE FIRE ALARM PANEL
PX- 6E	6 ZONE FIRE ALARM PANEL
PX- 8E	8 ZONE FIRE ALARM PANEL
PX -12E	12 ZONE FIRE ALARM PANEL
PX -16E	16 ZONE FIRE ALARM PANEL
PX- 20E	20 ZONE FIRE ALARM PANEL
PX- 24E	24 ZONE FIRE ALARM PANEL
PX- 32E	32 ZONE FIRE ALARM PANEL

## Electrical Specification:

<b>Primary Power</b>	AC: 180-250 VAC $\pm$ 10%-15%, 50 Hz.
<b>Standby Power</b>	24V D.C (2 No's of 12V, 7 Ah battery (Max, Built in for 12Ah) Sealed Lead acid battery

### Operating Condition

Operating Temperature	0 - 49° C
Relative Humidity	93 $\pm$ 2% RH (non-condensing)

### Charging Circuit :

Charging Voltage	27 V, $\pm$ 0.2V
Nominal Charging Current	500mA (Max).

### Notification Appliance Circuits

Wiring	Class B, Style - Y
Operating normal Voltage	24 VDC
End-Of-Line Resistor	4K7, 1/2 watt

### D.C. Output

Supervised	24VDC
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### Signaling line Circuits

Zone	2-32 Nos
Maximum No Devices per Zone	32 Nos
Zone Current	96mA (Max)

### Initiating Device Circuits

Class B Style Y Operation.	
Normal operation Voltage	22-23.5 VDC.
Alarm Current	30 - 45mA
Short Circuit Current	96mA Max
Zone resistance	110 Max
End-Of-Line Resistor	4K7, 1/2watt
Standby Current	240mA (200mA for Detectors)

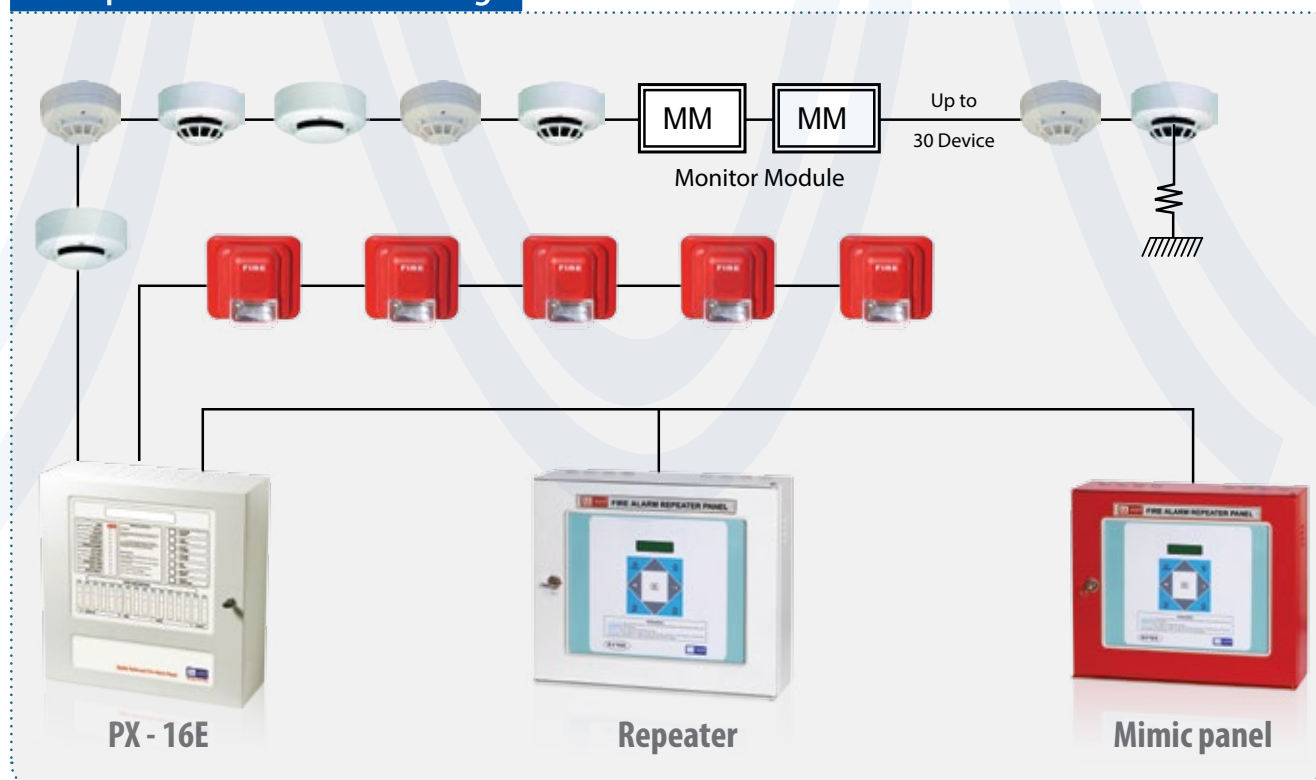
## Compatibal Devices:

<b>2351EIA &amp; B401</b>	:	System Sensor (By Honeywell) Intelligent Conventional low profile optical smoke detector with mounting base
<b>5351 E &amp; B401</b>	:	System Sensor (By Honeywell) Intelligent Conventional low profile Rate of Rise thermal detector with mounting base
<b>2351TEM &amp; B401</b>	:	System Sensor (By Honeywell) Intelligent Conventional low profile Multi criteria (Smoke & Heat Both) detector with mounting base
<b>PX-DA-BG</b>	:	ASES make Digital Addressable Manual Call Point
<b>PX-DA-MM</b>	:	ASES make Digital Addressable Monitor Module with Single Input.
<b>PX-DA-CZMM</b>	:	ASES make Digital Addressable Zone Monitor Module. to Connect any conventional detectors and devices Upto 18 detectors and devices in single zone. Required extenal 24 VDC power supply saperately
<b>H-ABS-2</b>	:	ASES make simple conventional Sounder. 24 VDC operated, ABS housing with back box
<b>H-MS-2</b>	:	ASES make simple conventional Sounder, 24 VDC operated. MS housing with back box
<b>H-ABS-5</b>	:	ASES make simple conventional Sounder with strobe, 24 VDC operated, ABS housing with back box
<b>RP-16/32Z -DA</b>	:	ASES make passive repeater panel

## Ordering Information:

Part Number	Pack Quantity	Dimensions (WxHxD millimetres)	Weight
PX-16E	Individual(1 units)	560 x 260 x 560	16 Kg
PX-32E	Individual(1 units)	585 x 865 x 350	26 Kg

## Simple Conventional Wiring



# Monitoring for any Conventional Devices

**Agni Suraksha Electronic Services**  
fire in director room 3rd floor  
6:30pm 30-12-08

