Ampac

Fire detection and evacuation solutions that save lives.

LoopSense AS7240 Addressable Fire Alarm Control Panel

Features

- 1 or 2 loop Fire Alarm Control Panel
- 500mA Loop Current
- 4 Programmable Inputs
- 4 Programmable Outputs
- 3 Programmable Relays
- 2 Programmable Open Collector Outputs
- Clear back lit 240 x 64 LCD
- Supports a range of panel Add-Ons
- Programmable via Front Panel
- Comprehensive loop monitoring and diagnostic support
- 3 Amp and 6 Amp Power Supply Available
- AS7240-2&4 and AS4428-3:2010 compliant

Figure 1: LoopSense SP1X

Description

LoopSense is an Intelligent Analogue Addressable Fire Alarm Control Panel that is available in 1 or 2 loop options. The LoopSense comes packed with features designed to make it versatile, easy to install, easy to operate and easy to commission.

The **LoopSense** is suitable for small to medium sized fire detection systems and is compatible with Apollo XP95, Discovery, Xplorer and Series 90 detectors.

Programming the **LoopSense** is easily achieved via the front control panel or by using AMPAC's **LoopSense** configuration software **LoopMaster.**

LoopMaster is intuitive Windows based software that can be installed on laptops. The laptop is easily connected to the FACP via the USB or RS232 communication ports located on the panel's main termination board.

LoopSense supports a range of internal and external optional Panel Add-ons.

Internal Panel Add-ons:

- 8 Zone Conventional Board
- 32 Zone Alarm Mimic Card
- 16 Way Input Board
- 8 Way Relay Board
- 8 Way Sounder Board
- Fire Fan Control and Termination Board
- Brigade Board
- Agent Release and Termination Board
- Front panel mounted printer

External Panel Add-ons:

- *SmartTerminal*
- 8 Way Relay board
- Agent local Control Station

Occupant Warning Systems

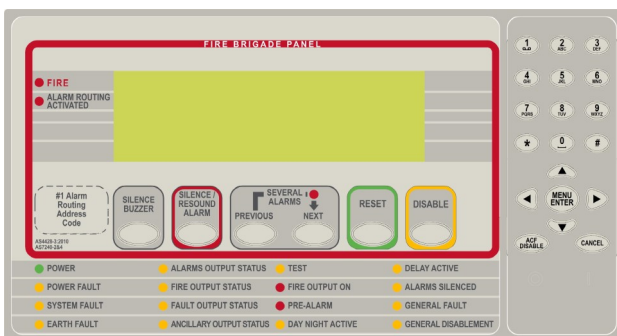A range of Occupant Warning Systems (OWS) are available for use with the **LoopSense** FACP.

Figure 2: LoopSense Front Controls

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Features

- Comprehensive Auto learn function
- Plug in key for 2nd loop enabling
- Supports up to thirty SmartTerminal's.
- Advanced balanced loop receive circuitry for highly effective common mode noise rejection
- Single-Ended and Redundant loop configuration capabilities
- Loop Statistics tool support for loop poll monitoring and loop noise level
- Sounder synchronisation across loops
- Walk test and silent walk test modes for zones
- Device locator LED test
- Dirty devices tool support for displaying and scrolling through dirty devices.
- Events upload via PC configuration tool. Exportable to html and can be imported into Excel spreadsheet
- Segmented log events storing a total of 1000 events in 8 separate event segments for fire, fault, pre-alarm, emergency, security, user, system, and disable events
- Day/night modes incorporating Normal, Investigation, Dependencies A, B and C and delays to outputs
- LoopMaster for downloading and uploading Boot, Application and configuration files
- Support for up to 999 programmable zones
- Cause & Effect programming
- Intuitive resolve configuration wizards for extra, mismatched and missing devices

Item Numbers

8251-0110	LoopSense 1 Loop 3A SP1X
8251-0210	LoopSense 2 Loop 3A SP1X
8210-0001	Loop Activation Key
Accessories	
4210-0042	Flush Mount Surround for SP1X
8210-0001	2nd Loop Activation Key

Specifications

Power Supply	SP1X
Power Supply	3A
Input Voltage	204 – 264Vac
Protection	2A M205
Output Current	3A
Charger Current	600mA
Charger Output Voltage	27.5 VDC
Battery Size (Max)	2 x 26Ah
Battery Discharge Cut-off :	21Vdc
Quiescent Current	
1 Loop panel	115mA
2 Loop panel	135mA
Operating Temperature	0°C to + 40°C
Humidity	0% to 95% (non-condensing)
Loops	
Loop current	500mA maximum
Max Devices per Loop	126
Cabling Requirements	2 core 1.5 to 2.5mm²
Fault supervision	O/C, S/C, Over current
Outputs	
Alarm Sounder Outputs (Supervised)	4 x 24VDC @ 500mA Max 10K EOL
Relay outputs	3 x Voltage Free 24VDC @ 1A
Open Collector	2 x 30mA
Auxiliary VDC	2 x 24VDC @ 500mA
Inputs	
Supervised	4 x O/C, S/C, 10K EOL
Communications Port	
Internal to FACP	RS485
External to FACP	RS485
Printer port	RS232 or Parallel
PC Interfacing	RS232 or USB 2.0
Mechanical	
Material	1.2mm Steel
Colour/Finish	Surf Mist Ripple
Dimensions (mm)	500H x 405W x 150D

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