Ampac

Fire detection and evacuation solutions that save lives.

LoopSense NZ4512 - 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
- Removable Chassis
- NZ4512:2010 Compliant

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 the following external optional Panel Add-ons.

External Panel Add-ons:

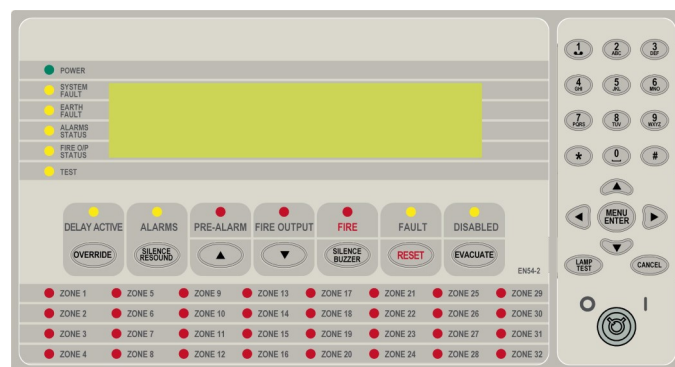- SmartTerminal
- NZ LED Index

A number of communication ports are also available including:

- Parallel printer port
- Serial printer port
- PC interface port – RS232 and USB
- RS485 serial port

LoopSense BX11

The LoopSense includes the "Silence Alarm. Brigade Use Only" and "Evacuation" key operated switches as required by the NZ4512 standard.

LoopSense Front Controls

![Ampac logo]

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Additional 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

8256-0105	LoopSense 1 Loop 3A BX11 Apollo
4355-0004	28 Zone Mimic Display
ENC3098	LED Mimic Poly Carb A3 Window
4380-0003	Smart Terminal BX05

Specifications

Power Supply

Power Supply	3A
Input Voltage	204—264 Vac
Protection	2A M205
Output Current	3A
Charger Current	600mA
Charger Output Voltage	27.5 Vdc
Battery Size (Max)	2 x 17.2 Ah
Battery Discharge Cut-Off	21 Vdc
Quiescent Current	
1 Loop Panel	115 mA
2 Loop Panel	135 Ma
Temperature	-20°C to +70°C
Humidity	0% to 95% (non condensing)

Loops

Loop Current	500mA maximum
Max Devices per Loop	126
Cabling Requirements	2 core 1.5 to 2.5mm^2
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

Communication Ports

Internal to FACP	RS485
External to FACP	RS485
Printer Port	RS 232 or Parallel
PC Interfacing	RS232 or USB 2.0

Mechanical

Material	1.2mm Steel
Finish / Colour	Oyster Grey Ripple
Dimensions (mm)	
Metal BX11	425 H x 400 W x 125 D
Weight	7 kg
IP Rating	IP30 (Indoor Use)