LoopSense CP10 – Intelligent Analogue Addressable Fire Control Panel

Features

- 1 or 2 Loop Fire Alarm Control Panel
- 500mA Loop Current
- 4 Programmable Inputs
- 4 Programmable Sounder Circuits
- 3 Programmable Relays
- 2 Programmable Open Collector Outputs
- Clear back-lit 40 x 4 line LCD
- Supports a range of Panel Add-ons
- Integrated 32-Zone Indication LED's
- Programmable via front panel
- Removable front door
- Comprehensive loop monitoring and diagnostics support
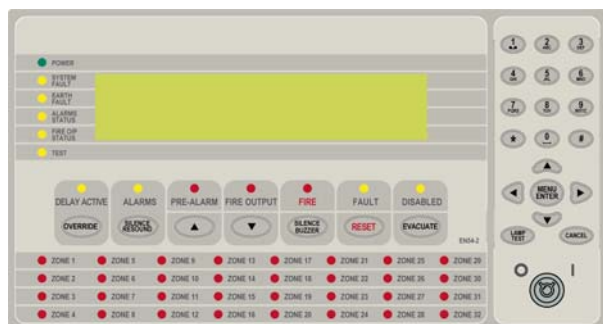- CP10:2005, EN54-2 and EN54-4 compliant

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 the Ampac range of XP95, Discovery, and DS Series addressable detector.

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

LoopMaster is an 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.

Figure 1: LoopSense Control Panel

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

Internal Panel Add-ons include:

- 8-Way Relay Board
- 8-Way Sounder Board
- 8 Zone Conventional Board
- Conventional Network Board
- Switch and Indicator Board
- 32 Zone Alarm Indicator Board
- Zone Disable and Indicator Board
- Front panel mounted printer

External Panel Add-ons:

- *SmartTerminal* (LCD Annunciator)
- 8-Way Relay Board

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 Controls and Indicators

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Additional Features

- Comprehensive Auto learn function
- Plug in key for 2nd loop enabling
- Supports up to thirty *SmartTerminal* LCDA'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
- PC wizard 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

8265-0110	FACP LoopSense CP10 1 Loop
8265-0210	FACP LoopSense CP10 2 Loop
8210-0001	LoopSense 2nd Loop Activation Key

Panel Add-ons

4310-0050	8 way Relay Board
4310-0060	8 way Sounder Board
4310-0082	8 Zone Conventional Board
4310-0030	8 way Switch and Indicator Board
4310-0085	32 Zone Alarm Mimic Card
4310-0087	Zone Disable and Indicator Card
4310-0083	Conventional Network Board
159-0110	Printer

Panel Add-ons (external to Panel)

4310-0055	8-way Relay Board
4380-0011	LoopSense SmartTerminal ABS
4380-0012	LoopSense SmartTerminal inc PSU ABS
4380-0013	LoopSense SmartTerminal Slimline ABS

Specifications

Material	1.2mm steel
Finish/Colour	Red
Dimensions(mm)	500H x 450W x 150D
Weight	10kg
Power Supply	3A PSU version
Input Voltage	204 - 264VAC
Protection	2Amp M205
Output Current	3Amps
Charger Current	600mA
Power Supply Output Voltage:	27.5VDC +/- 0.1VDC
Power Supply Ripple Voltage:	100mV
Power Supply Fault - Volts High	28VDC
Volts Low	26.5VDC
Charger Output Voltage:	27.5 +/- 0.1VDC
Battery Type:	2 x 12V Sealed Lead Acid
Maximum Battery Capacity:	17.2Ahr (Metal BX11), 7Ahr (ABS BX1)
Battery Discharged Cut-off Voltage:	21VDC
Quiescent Current (1 Loop)	115mA
Quiescent Current (2 Loop)	135mA
Loop Capacity	500mA maximum
Max No of Detectors/Devices	126
Cabling Requirements	2 core 1.5 to 2.5mm²
Fault supervision	O/C, S/C, Over current
Outputs: (Programmable)	4 x 24VDC @ 500mA Max, 10K EOL
Relay outputs (Programmable)	3 x Voltage Free - 24VDC @1A
Open Collector (Programmable)	2 x 30mA
Auxiliary VDC (Programmable)	2 x 24VDC @ 500mA
Inputs Programmable	4 x O/C, S/C, 10K EOL
Comms Internal to FACP	RS485
Comms External to FACP	RS485
Comms Printer port	RS232 or Parallel
Comms PC Interfacing	RS232 or USB 2.0
Temperature	-5ºC to + 40ºC
Humidity	25% to 95% (non-condensing)

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