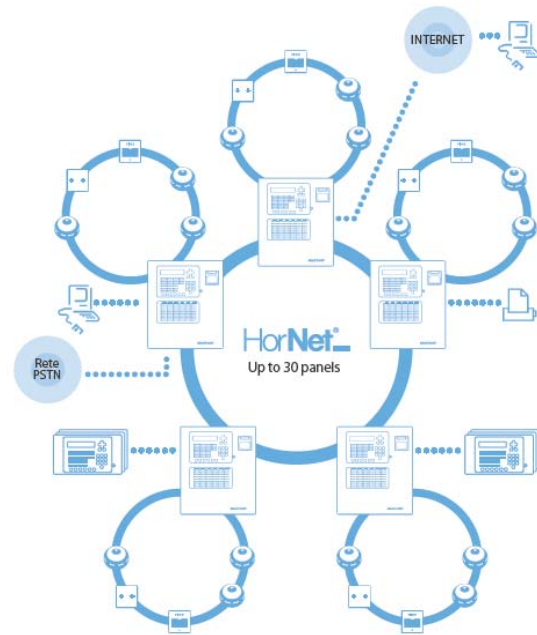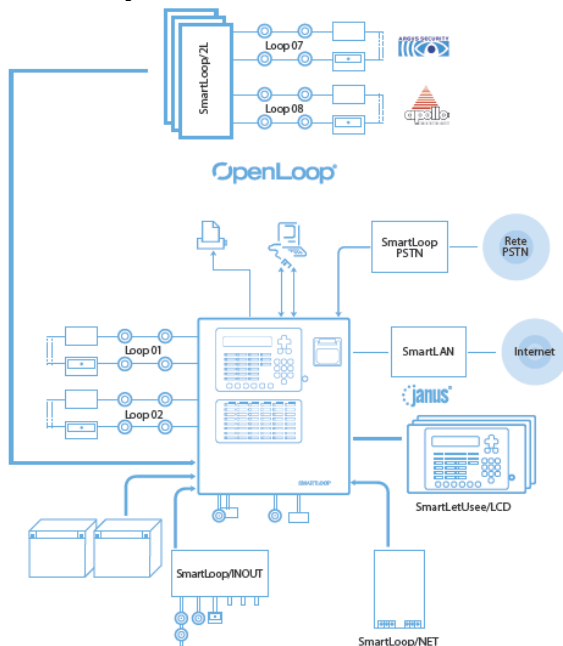# SMARTLOOP

NETWORKABLE ANALOG-ADDRESSABLE FIRE ALARM CONTROL PANEL WITH 1 LOOP EXPANDABLE TO 8

GENERAL DESCRIPTION

The SmartLoop series of analog-addressable fire control panels marks a clear evolution in fire detection system. Smart Loop system offer control panels from 2 loop expandable up to 8 and connectable in a network of up to 30 panels. Panels are baed on a multiprocessor platform which can guarantee a fault tolerant system. Each loop can be independently configured for use Argus devices or Apollo Devices, on each loop can be connected up to 240 devices (Argus Loop, 126 with Apollo Loop).

A wide selection of optional cards are available for complete the system functionality.

MAIN FEATURES

• loops expandable to 8 for 2080 expandable models; 1 loop on non-expandable 1010 models
• All models in the SmartLoop series are EN54 Approved
• Multiprocessor hardware structure
• OpenLoop Technology
• HorNet token- ring architecture (network for panel connection)
• Manages up to 30 panel token-ring network via the SmartLoop/NET board (accessory item)
• Easy remote access through SmartLAN board (accessory item)
• Supports 240 devices per loop
• Manages up to 8 remote-control Repeater panels connected to the RS485 Interface, max 1000 m distance.
• 1 supervised Alarm output (NAC)
• 1 supervised Fault output (NAC)
• 3 general purpose outputs (NAC)
• 1 dry contact Alarm relay
• 1 dry contact Trouble relay

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- •1 24 V power supply output for external devices
- • 1 24 V resettable output
- • Battery shutdown relay for deep discharge conditions
- • RS232 and USB connectors for uploading/downloading data
- • RS232 port for remote serial printing connection
- • 2000 event buffer
- • Self-enrolling (for loop devices)
- • Self-addressing (for loop devices)
- • optional Card (SmartLoop/INOUT) with 6 lines configurable as supervised outputs, inputs, conventional lines, 4-20ma gas lines.
- • Optional dialler card (SmartLoop/PSTN) can manage digital and voice calls
- • Large backlit alphanumeric display for easy management of Installer/User interface
- • Navigation keys for easy access to menu options
- • Fast keys (Test, Beeper, Silence, Reset, Evacuate, Investigate)
- • Beeper (provides audible signals)
- • User-friendly programming (downloadable from web site)
- • Easy system programming from the control panel
- • On-board connector for Thermal probe (accessory item).
- • Battery efficiency test
- • Extensive application of SMD reflux technology for higher reliability
- • Metal box

ORDERING CODES

	Control panel with 2 loops expandable to 8, equipped with keypad, display and status LEDs. This model can be enhanced with a SmartLoop/PRN thermal printer.
SmartLoop2080/P	
SmartLoop2080/G	Control panel with 2 loops expandable to 8, equipped with keypad and display.
SmartLoop2080/S	Control panel with 2 loops expandable to 8, unequipped flush front.
SmartLoop1010/P	Control panel with 1 loop, non-expandable, equipped with keypad, display and status LEDs. This model can be enhanced with a

	SmartLoop/PRN thermal printer.
SmartLoop1010/G	Control panel with 1 loop, non-expandable, equipped with keypad and display..
SmartLoop1010/S	Control panel with 1 loop, non-expandable, unequipped flush front.
SmartLetUSEE/LCD	Remote control Repeater panel with display
SmartLetUSee/LED	Remote control Repeater panel with status LEDs (to use only in combination to SmartletUSee/LCD)
SmartLoop/2L	OpenLoop expansion board with 2 loops
SmartLoop/INOUT	OpenLoop expansion board with 2 loops
SmartLoop/NET	SmartLoop HorNet network board (for connection of panels in a network)
SmartLoop/PSTN	PSTN voice and digital dialler board
SmartLoop/PRN	Thermal printer module
SmartLAN	Ethernet interface for Internet connections
ProbeTH	Thermal probe. This device protects the battery against overheating and consequent permanent damage.

SmartLoop1010/P SmartLoop2080/P   SmartLoop1010/G SmartLoop2080/G   SmartLoop1010/S SmartLoop2080/S
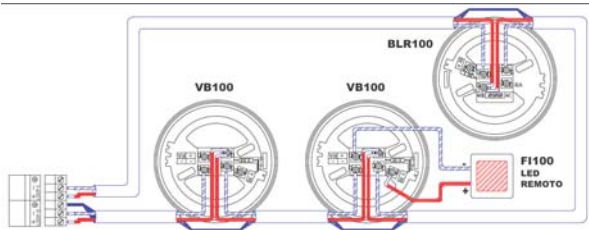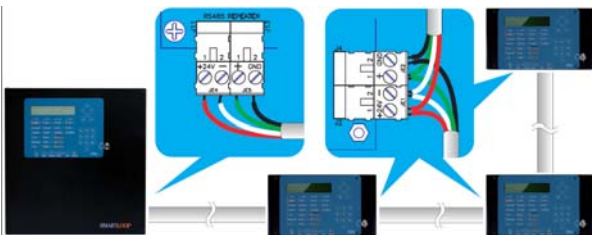
FRONT PANEL

OUTPUTS

LOOP:

Up to 240 Argus devices or 126 Apollo devices (64 for "S" version) can be conncted on each Loop.
Wiring by means of a shielded twisted pair.

RS485 BUS for remote panels connection (8):

Allow to connect up to 8 repeater panel SmartLetUSee/LCD. Wiring by means of a 4 pole shilded twisted cable which transfer RS485 signal and repeater power supply.
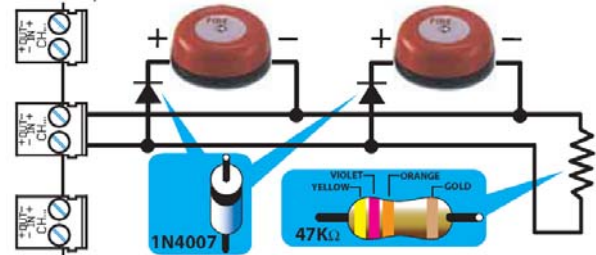

Remote fault signalling:

Are available 2 outputs for remote fault signalling, a dry contact (5 A) and a supervised output (protected by a 1 A self restorable fuse)..

Alarm Signalling:

Are available 2 outputs for remote alarm signalling (Bells) , one dry contact (5 A) and a supervised output (protected by a 1 A self restorable fuse)

Programmable outputs:

Are also available 3 supervised programmable outputs protected by a 1.3° self restorable fuse.

Supervised outputs Wiring

24V Output

Supplies 24 V for external device feed. Protected by a 1.8 A self restorable fuse.

24V R Output

Supplies 24 V for external device feed but is switched off for 10 seconds during panel reset, suitable for beam detectors powering. Protected by a 1.8 A self restorable fuse.

TECHNICAL SPECIFICATIONS

PARAMETER	VALUE
Supply voltage	230 Vac 50/60 Hz
Current consumption	0,9 A
MAX currents available for external devices (@24V)	2,8 A
Battery size	2 x 17Ah 12V
Temperature range	-5° .. +40°
Dimensions	480x470x135 mm
Weight (without batteries)	8 Kg
Loop driver current	Max 0.5A each Loop
NAC1, NAC2, NAC3, Alarm NAC, Fault output	1,3 A MAX
Dry contact relay (fault and alarm)	5 A @ 30 V max
RS485 BUS	1.8 A MAX
AUX, AUX-R	1.8 A MAX

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