

SMART

Nexgen

single loop analogue addressable control panel series



S90
XP95
Discovery



General Specifications

126 Devices in One Loop

- One Loop Analogue Addressable control panels
- 2 Conventional Zones (Maximum 20 detectors per zone)
- Day/Night operation, separate profile for each week day
- Manual add/remove of loop devices
- 2 Supervised Siren Outputs
- 2 Logical Inputs
- 2 Supervised Relay Outputs
- Storage of up to 2.000 log events
- Built-in communicator (Ademco Contact ID)
- System LED indications: Power, Fault, Alarm, Pre Alarm, Delay Active, Sirens Silenced, On Test
- WalkTest installation testing feature
- Customisable weekly reminder for system test
- Real time clock
- Remote software monitoring and programming

Technical Specifications

Number of loops	1
Loop current	500mA
Fire zones / Zonal indicators	16 (smartX 116), 32 (smartX 132)
Conventional zones	2 (Maximum 20 detectors per zone)
Conventional zones termination resistors	4,7K Ohms / 1W
Supervised siren outputs	2 outputs, 24VDC \pm 10%, 1A max, fused and monitored
Generic trouble output (on main unit) non monitored	Dry relay contacts NO - C - NC
Analogue Inputs	2 intern AUX pulled up inputs 1.5mA sinc current
Relay Outputs	2 general relay outputs N/O or N/C (jumper selectable) dry contacts 28V/3A max
PGM Outputs	4 PGM outputs Open collector, 200mA sink max current, 30V max handling
Earth faults detection and indication	Front panel LCD indication & buzzer
Display	4 lines of 20 characters LCD
Mains Power	220 VAC 50Hz
Mains supply fuse	1,6A 250
Power Supply	24 VDC / 2.5A
AUX output	24VDC \pm 10%, 700mA max, current limited, monitored
Battery Backup power	2x 12V / 7Ah sealed lead acid gel batteries
Battery health monitoring (periodic load test)	Every 90 seconds
Enclosure	Epoxy powder coated metal box
Dimensions (HxWxD)[mm]	315 x 425 x 100
IP rating	IP30

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The SmartX fire panels offer:

- **PSTN communicator** for remote reporting of events.
- **LOG event registry**, up to 2000 events.
- **Bypasses (disablements)** for inputs and outputs.
- **Delayed outputs**, Alarm verification for all inputs.
- **Global evacuation** triggered by any input, selectable at Access Level 3.
- **Periodic test reminder**.
- **Walk test**: An easy way to test the system by triggering one input at the time.
- **TCP/IP expansion port** provides remote monitoring and control with optional TCP/IP module.
- **PC connectivity**: The expansion port along with the required communication module permits PC connectivity for system supervision and operations.
- **Direct activation of outputs** from inputs regardless of alarm/evacuation state programmed at A.L.3.
- **Group operations** change specific attributes in groups of objects, making programming much more efficient.
- **Autolearn function** for loop devices.
- **Backup/Restore configuration**; Save current system configuration to on-board memory and restore it if needed.
- **Real time clock/calendar** with battery backup.
- Optional eight, 24V output, **monitored relay expansion module** with 3A power supply and battery power backup (also fully monitored).
- **Easy device identification** through their LED indicators.
- **Easy contamination levels/sensor health checks** with device identification.
- **Delayed group activation** for cascaded evacuation schemes.
- **Easy configurable inverse operation** of outputs for high safety applications (e.g. fire doors).
- **Programmable activation** of outputs on faults/bypasses (required for fire doors in some locales).
- **Easy identification of contaminated sensors** with simultaneous LED activation on all troubled devices.
- **User friendly interface**: List based presentation with cursor keys navigation, filters and formatting of viewable information.
- On screen, **context intelligent short help**.
- **User defined descriptions** for all inputs, outputs and zones.
- **Advanced Access level control**: The system is not limited to the required by European and American standard.
- **3 access levels**: It provides 8 Access Level 2 users plus one Master user that manages the rest. There is also the Access Level 3 user (installer) and an access codes reset mechanism.
- **Main screen branding, Installer's contact info**: The installer has one line (20 characters) on the main screen that can program to display any message he wishes (e.g. company name). Contact information (e.g. telephone number) may also be programmed into the panel for user reference.
- **Convenient loop devices overview** with alarms, faults and installed types indications.
- **Visual overview** of installed loop devices.



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SMART 116 - S90, XP95, DISCOVERY



Single Loop Addressable panel (16 Zonal Indicators)

Single Loop Analogue Addressable control panels, based on Apollo's S90, XP95 & Discovery protocols. Zonal Indicators: 16. Fire Zones: 16. 2 Conventional Zones. Maximum number of detectors per zone 20. 2 Supervised Siren Outputs. 2 Logical Inputs. 2 Supervised Relay Outputs. Storage of up to 2,000 log events. Built-in communicator.

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Keypad/Repeater - S90, XP95 & DISCOVERY

- LCD display with silicon rubber keypad.
- Repeater for Access Level 1 & 2.
- Dimensions (HxWxD [mm]): 110 x 155 x 25.