SmokeGo

1-4 Loop Smoke Control Panel

SmokeGo control panels provide complete and active smoke control from the fire system. Designed for standalone, dedicated and non-dedicated Control and Indicating Equipment (CIE), by adding a smoke control user interface and loop interface modules, it is possible to achieve automatic and manual control of smoke control fans and dampers.

The control panel consists of a graphical LCD and tactile keypad providing a simple 'select & click' programming aid for engineer configuration and end user operation. Supplied with a single loop-driver card, 2 onboard sounder circuits, 20 programmable zonal LEDs with slide-in labels, and 25 system LEDs for information purposes, there are also 4 programmable function buttons with LED indication for confirmation of operation.

Fan and damper switch cards can be fitted internally or externally to the panel. Up to 15 fan and damper switch cards can be connected per peripheral bus (P-Bus) and expansion options are available for larger systems.

The panel is compatible with AdvancedLive (UK&I only), which is the fire panel monitoring solution that enables secure, easy, real-time management of an Advanced fire system.

Using the PC-NET-022 configuration software, a unique software matrix makes light work of system setup. Graphical representations of the system and a series of drop-down menus mean programming is quick and intuitive.

An extensive suite of user-friendly Windows-based PC software tools are also available to enhance your experience when using SmokeGo CIE. Configuration, service and logo tools bring additional flexibility and customisation options.

Simply adding a network card allows the panel to communicate with any other SmokeGo or MxPro 5 fire panel, remote terminal, or network peripheral, BMS or graphical interface. The network operates as a true peer-to-peer system and can be configured in a fault-tolerant loop or radial format.

Approvals

FM APPROVED

- EN 54-2:1997 +A1:2006
- EN 54-4:1997 +A1:2002 +A2:2006

Certified to EN54 Parts 2 & 4 by FM Approvals



- Connectivity to AdvancedLive (UK&I only), Ethernet connection on-board
- 20 programmable Zonal / 20 System LEDs.
- 5 dedicated Smoke Control LEDs
- Apollo, Axis EN and Hochiki protocol support.
- Advanced graphical LCD user interface and support for up to 200 fire zones by default allowing full EN54 compliance without additional hardware.
- 500 smoke compartments and 2000 dampers
- Dedicated USB & RS232 serial port for direct PC or modem connection.
- Installer friendly Auto-learn, Loop Detection and Onboard Scope facility for ease of commissioning and fault finding.
- The graphical display can be configured to operate with virtually any language or character set and allow the installer's logo to be applied using the Logo application software.
- Integral P-Bus for system expansion via available option cards.
- Advanced networking, peer-to-peer system, with up to 2000 zones
- Approved to BS EN54 part 2 and 4.
- Designed to comply with: ISO 21927-9 and BS7346-8 standards.

Specification

Base Technology	Dual flash-based processors with real-time clock, trace diagnostics, programmable languages and character sets
Display	White backlit 240 x 64 (9.5 inches x 2.5 inches) graphical LCD - 6 lines of 40 characters
LED Indicators	22 red (1 x Fire, 1 x More Alarms, 20 x Zonal Programmable), 1 green (Power), 13 amber and 12 bi-colour (Fault & System)
Controls	Alpha numeric keypad permitting Navigation, Reset, Mute, Silence, Resound, Evacuate, and 4 x Programmable Push Buttons
Protocols	Apollo (XP95 / Discovery), Axis EN & Hochiki ESP
Number of Fire Zones	2000 (200 per individual panel)
Number of Loops	Dedicated 1-4 loop control panel
Devices per loop	Protocol dependent
Loop Current	500mA per loop
On-Board Sounder Circuits	4 x 1 Amp programmable
On-Board Relays	2 x 1 Amp 30v AC/DC programmable (10mA, 5v min) - expandable to 4 using MXP-507
Auxiliary Supply	1 x 24v 500mA
Programmable Input	1 x monitored programmable input on-board
Programmable Key Switch Inputs	8 volt free inputs
Total Available Output Current	5A maximum available for loop current + sounder outputs + auxiliary supply
Mains Supply	200 - 240v 47-63 Hz AC (+10%, -15% tolerance) 1.4A max
Charger Current	2A temperature compensated
Ethernet Port	10-Base-T, 100-Base-T: AdvancedLive connectivity (UK&I)
Serial ports	1 x on-board RS232 connection for PC, modem, IP or portable printer
USB Interface	1 x USB B type connection for PC communication
Programming	On-board keypad or PC running Windows tools
Event Log	5000 Event & Diagnostic + 500 Fire
Networking	Optional plug in network card (MXP-503 - standard, or MXP-509 - fault-tolerant)
Enclosure / Colour	Steel IP30 / RAL7035
Metalwork Options	Flushing bezel, battery box, utility enclosure, termination enclosure and rack mount

Dimensions and Capacity

	Dimensions	Cable Entry	Battery Capacity (internal)	
	H x W x D mm	**(20mm knockouts)**	**Min**	**Max**
Standard	475 x 450 x 120	19 x top, 11 x top rear, 2 x bottom	24v, 4Ah	24v, 18Ah
Large-Deep	475 x 450 x 190	30 x top, 11 x top rear, 3 x bottom	24v, 4Ah	24v, 45Ah*
Extended	750 x 450 x 190	30 x top, 6 x top rear, 2 x bottom rear & 3 x bottom	24v, 4Ah	24v, 45Ah**

* If MXP-538 and/or MXP-543 are fitted to the panel, the maximum internal battery capacity is 24v, 24Ah. External battery enclosures are available for up to 24v, 45Ah batteries.

**1 x 24V 45Ah internal (max) and 1 x 24V 45Ah external (max) using optional battery enclosure.

Order Codes and Options

Enclosure/Protocol	XP95/ Discovery	Hochiki ESP	Axis EN
Large	SC-5401A	SC-5401H	SC-5401V
Large-Deep	SC-5401AD	SC-5401HD	SC-5401VD
Extended	SC-5401AE	SC-5401HE	SC-5401VE

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