SmokeGo

2-8 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

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

Certified to EN54 Parts 2 & 4 by FM Approvals

Features

- Connectivity to AdvancedLive (UK&I only), Ethernet connection on-board
- Fully expandable from 2 - 8 loops via plug-in loop driver boards.
- 20 programmable Zonal / 20 System LEDs with slide-in labels.
- 5 dedicated Smoke Control LEDs
- Dedicated loop driver for Apollo, Hochiki or Axis EN 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
- Dual flash-based microprocessor technology with real-time clock onboard.
- 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.
- Fully programmable via the onboard alphanumeric keypad, or PC configuration tools.
- The graphical display can be configured to operate with virtually any language or characterset and allow the installer's logo to be applied using the Logo application software.
- Robust removable equipment chassis with plug-in connectors for simple fixing and cable termination.
- Integral P-Bus for system expansion via available option cards.
- Advanced networking, peer-to-peer system, with up to 2000 zones
- 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 graphical LCD
LED Indicators	22 red (1 x Fire, 1 x More Alarms, 20 x Zonal Programmable), 1 green (Power), 13 amber and 7 bi-colour (Fault & System)
Controls	Alpha numeric keypad permitting Navigation, Reset, Mute, Silence, Resound, Evacuate, and 4 x Programmable Push ButtonsActual 2
Protocols	Apollo (XP95 / Discovery), Hochiki ESP & Axis EN
Number of Fire Zones	2000 when networked (400 max across 8 loops)
Number of loops	Dedicated 2-8 loop control panel
Devices per loop	Protocol dependent
Loop Current	500mA max per loop
On-Board Sounder Circuits	8 x 1 Amp programmable
On-Board Relays	4 x 1 Amp 30v AC/DC programmable (10mA, 5v min) - expandable to 8 using 2 x Mxp-507
Auxiliary Supply	2 x 24v 500mA 2
Programmable Input	2 x On-board Programmable Input
Programmable Key Switch Inputs	16 volt free digital inputs
Total Available Output Current	2 x 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	2 x 2.0A temperature compensated
Ethernet port	10-Base-T, 100-Base-T: AdvancedLive connectivity (UK&I)
Serial ports	2 x on-board RS232 connection for PC, modem, IP or portable printer
USB Interface	2 x USB B type connection for PC communication
Programming	On-board keypad or PC running Windows tools
Event Log	2 x 5000 Event & Diagnostic + 500 Fire
Printer (Optional)	On-board
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	750 x 450 x 190	30 x top, 6 x top rear, 2 x bottom rear & 3 x bottom	24v, 4Ah	24v, 45Ah*

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

Order Codes and Options

Network/Protocol	XP95/ Discovery	Hochiki ESP	Axis EN
Standard Network	SC-5802A	SC-5802H	SC-5802V
Fault-Tolerant Network	SC-5802A/FT	SC-5802H/FT	SC-5802V/FT

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