

## ELAN<sup>®</sup> HS-4100S

### Economy single loop analogue addressable fire control panel

HS-4100S comes fitted complete with an internal loop driver card suitable for Apollo (XP95 & Discovery) and Hochiki (ESP) protocols and 2 on-board sounder circuits.

The control panel consists of a simple to use LCD menu graphical interface, dual, flash-based microprocessor technology driven by an on-board 24v dc, 2 amp high efficiency switched mode power supply and charger approved to EN54 parts 2 & 4.

Powerful cause and effect programming makes the panel suitable for a wide range of site applications. Fully programmable on-site via the on-board alphanumeric keypad, or PC-Net configuration tools.

An extensive suite of user-friendly Windows based PC software programs have been developed to supplement the HS-4100S control panel.



## Features

### Main Features

- Economy single loop analogue fire control panel
- Full support of Apollo (XP95 & Discovery) & Hochiki (ESP) protocols
- Graphical LCD user interface with up to 100 zones as standard allowing full EN54 compliance without additional hardware expansion
- Dual flash-based microprocessor technology with real-time clock on-board
- Dedicated RS232 Serial Port for direct PC or modem connection
- Installer friendly 'Auto-Learn' and 'Loop Detection' for ease of commissioning and fault finding
- Fully programmable via the on-board keypad or PC configuration tools
- 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
- Robust removable equipment chassis with plug-in connectors for simple fixing and cable termination

Model	Loops	Battery Capacity
HS-4100S	1	24v 4Ah internal (min), 24v 7Ah internal (max)

### Technical specifications

Base Technology	Dual flash-based processors with real-time clock, trace diagnostics and programmable languages
Display	Backlit 240 x 64 graphical LCD
LED Indicators	3 red (2 x Fire, 1 x Alarm), 1 green (Power), 12 amber (Fault & System)
Controls	Alpha numeric keypad permitting navigation, Reset, Mute, Silence, Resound and Evacuate
Protocol	Apollo (XP95/Discovery), Hochiki ESP
Number of Fire Zones	100
Number of Loops	1
Devices per Loop	Protocol dependant
Loop Current	500mA
On-Board Sounder Circuits	2 x 1 amp, programmable
On-Board Relays	2 x 1 amp, 30v AC/DC programmable
Auxiliary Supply	1 x 24v, 500mA
Programmable Switch Inputs	8 x volt free digital inputs
Total Available Output Current	2A maximum, available for loop current + sounder outputs + aux supply
Mains Supply	230v 50Hz AC (+10% - 15% tolerance) 0.4A max
Charger Current	0.4A DDP monitored, temperature compensated integral charger
Serial Port	1 x On-Board RS232 connection for PC, modem or external printer
USB Interface	1 x USB B type connection for PC communication
Programming	On-Board keypad or PC running Windows tools
Event Log	1000 fire & event + diagnostics
Enclosure	Steel IP30 / Radon MW334E Interpon powdercoat
Cable Entry	Via 20mm knockouts at top and rear of cabinet
Size, H x W x D mm	320 x 345 85