HAES

ELAN

HS-4100S

SINGLE LOOP ANALOGUE ADDRESSABLE FIRE ALARM CONTROL PANEL

The 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 at a glance

- **Fully approved to EN54 parts 2 & 4 and CE marked under the Construction Products Regulation (CPR)**
- **Global compliance**
- **Dedicated single loop panel**
- **Open protocol system**
- **3 year warranty as standard**
- **Large graphical LCD user interface**
- **Powerful cause & effects programming**

CE

Models	Description
HS-4100S	Single loop panel

+44 (0) 1895 424505

Compatibility

HS-4100S control panels are open protocol and support, Apollo XP95/ Discovery & Hochiki ESP protocols.

Features

- Full support of Apollo (XP95& Discovery) & Hochiki (ESP) protocols.
- Advanced graphical LCD user interface with up to 100 fire 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 facility for ease of commissioning and fault finding.
- Fully programmable via the on-board alphanumeric keypad, or PC configuration tools.
- Flash memory and the advanced graphical display enables the panel to be configured to operate in virtually any language or character set, and allows the installer's logo and company details to be applied to the LCD display using the 'Logo' application software.
- Robust removable equipment chassis with plug-in connectors for simple fixing and cable termination.

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, navigation keys for reset, mute, silence/resound and evacuate

No of Fire Zones

100

No of Loops

1

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

2 amps maximum, available for loop current + sounder outputs + auxiliary supply

Mains Supply

230v 50Hz ac (+10%, -15% tolerance) 0.4 amp

Battery Capacity

24v 7 Ah Internal, 24v 12 Ah external

Charger Current

0.4 amp 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

Via on-board keypad or PC running Windows tools

Event Log

1000 fire & event + diagnostic

Enclosure / Colour

Steel IP30 / Radon MW334E Interpon powdercoat

Cable Entry (20mm Knockouts)

7 x top & 7 x rear,

Size, H x W x D mm

Standard Enc: 320 x 345 x 85

Haes Systems Limited
Columbia House
Packet Boat Lane
Cowley Peachey
Uxbridge
UB8 2JP
United Kingdom

Tel: +44 (0) 1895 422066
Fax: +44 (0) 1895 420603
Direct Sales Line: +44 (0) 1895 424505
Email: enquiries@haes-systems.co.uk
Web: www.haes-systems.com

Company Registration No. 1146067 UK

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