TECHNICAL DATA SHEET

ELAN HS-5100

Single loop analogue addressable fire control panel

The HS-5100 control panels are supplied with a single loop driver card, 2 on-board sounder circuits, 20 programmable zonal LED's and 4 programmable function buttons.

The control panel consists of the latest dual flash-based microprocessor technology combined with a high resolution graphical LCD display and tactile keypad for engineering configuration and end-user operation.

Powerful cause and effect programming coupled with 'DynamiX' zoning makes the panel suitable for a wide range of applications from small to large complex multi-area systems.

An extensive suite of user-friendly Windows based PC software is available for configuration, service management and logo programming.

Simply adding a network card allows the panel to communicate with any other Elan or network peripheral including; remote display units, 'ipGateway' or BMS/Graphical Interface.

Features

Main Features

- Single loop analogue fire control panel
- 20 programmable zonal / 25 system LED's with slide in labels
- Dedicated loop driver for Apollo & Hochiki protocol support
- Graphical LCD user interface and support for up to 200 fire zones allowing full EN54 compliance without additional hardware expansion
- Dual flash-based microprocessor technology with real-time clock on-board
- Dedicated USB & RS232 Serial Port for direct PC or modem connection
- Installer friendly 'Auto-Learn', 'Loop Detection' and on-board scope facility 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
- Integral 'P-Bus' for system expansion via available option cards
- Connection to the 'Ad-Net' peer-to-peer network is achieved using a simple plug-in network card allowing the system to share up to 2000 zones with full cross panel reporting, control and site-wide cause and effect functionality

Models	Loops	Battery Capacity
HS-5101	1	24v 4Ah internal (min), 24v 7Ah internal (max)
HS-5101M	1	24v 4Ah internal (min), 24v 12Ah internal (max)

Technical specifications	
Base Technology	Dual flash-based processors with real-time clock, trace diagnostics, programmable languages and character sets
Display	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 12 bi-colour (Fault & System)
Controls	Alpha numeric keypad permitting navigation, Reset, Mute, Silence, Resound, Evacuate and 4 x programmable push buttons
Protocol	Apollo (XP95/Discovery), Hochiki ESP
Number of Fire Zones	2000 'DynamiX' (200 per individual panel)
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 (10mA, 5v min) - Expandable using HS-507
Auxiliary Supply	1 x 24v, 500mA
Programmable Input	1 x monitored, programmable input, on-board
Programmable key switch inputs	1 x Volt Free Digital Input (std enclosure), 8 x Digital Inputs (medium enclosure)
Total Available Output Current	3A maximum, available for loop current + sounder outputs + aux supply
Mains Supply	200-240v 46-63Hz AC (+10% - 15% tolerance) 1.0A max
Charger Current	1A temperature compensated
Serial Port	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 & diagnostics + 500 fire
Printer (Optional)	On-Board - Medium (M) enclosure only
Networking	Optional plug in Network Card (HS-503-std or HS-509-fault tolerant)
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	Std Enclosure: 340 x 340 x 85 Medium Enclosure (M): 340 x 430 x 115

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