

## ELAN<sup>®</sup> HS-5200

### One to two loop analogue addressable fire control panel

The HS-5200 control panels are fully expandable from 1-2 loops and supplied with 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

- One to two 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-5201  | 1     | 24v 4Ah internal (min), 24v 12Ah internal (max) |
| HS-5201L | 1     | 24v 4Ah internal (min), 24v 18Ah internal (max) |
| HS-5202  | 2     | 24v 4Ah internal (min), 24v 12Ah internal (max) |
| HS-5202L | 2     | 24v 4Ah internal (min), 24v 18Ah 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 - 2  |
| Devices per Loop               | Protocol dependant   |
| Loop Current                   | 500mA per loop   |
| 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 | 8 x Volt Free Digital Inputs   |
| Total Available Output Current | 5A maximum, available for loop current + sounder outputs + aux supply  |
| Mains Supply                   | 200-240v 46-63Hz AC (+10% - 15% tolerance) 1.4A max  |
| Charger Current                | 2A 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   |
| 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 430 x 115<br>Large Enclosure (L): 470 x 450 x 115   |