

1-8 Loop Panel

Features:

- Fully expandable from 1 to 8 loops via common plug in loop driver boards.
- Full support of Apollo (Discovery, Xplorer S90 & XP95) and Hochiki ESP protocols.
- Advanced graphical LCD user interface with up to 1000 fire zones as standard, allowing full EN54 compliance without additional hardware or LED indication.
- 2 x Separate 5 Amp power supply and charger to EN54 part 4. (1x Power Supply Unit per 4-Loop chassis).
- Dedicated RS232 serial port for direct PC or modem connection.
- Dual, flash based, microprocessor technology with on-board Real Time Clock.
- Optional on-board or remote printer.
- Installer friendly 'Auto-learn' and 'Loop Detection' facility for uncomplicated, trouble-free, commissioning and fault finding.
- Fully on-site programmable via on-board alphanumeric keypad or PC configuration tools.
- Dedicated system and navigation keys for simple user control.
- Powerful cause and effect programming coupled with the flexible *Dynamixx* zoning makes the panel suitable for a wide range of site applications including the most complex multi area systems.



- User-friendly Windows based *PC-Net* configuration software includes virtual panel for remote diagnostics functionality via a low cost modem connection.
- Programmable variable sensitivity (Day/Night) modes with multiple 7-day timers.
- Robust, removable equipment chassis with plug-in connectors for simple fixing and cable termination
- The panel supports (protocol dependant) automatic Contamination warning, Sensitivity Band selection and Rapid Drift Compensation.
- When connected to the fault tolerant *Ad-Net* network, the panel operates as a true peer-to-peer interface (with up to 1000 shared zones) with full cross panel reporting, control and cause and effect functionality.
- Flash memory and the advanced graphical display enables the panels to be configured to operate in virtually any language with any character set and allows the installer's logo and company details to be applied to the LCD display.
- The powerful *Trace* diagnostics feature enables highly accurate device monitoring with event tracing and load monitoring of all loop, sounder and auxiliary outputs
- Optional LED expander boards and enclosure options for bespoke applications.

| Sales Order Parts: | Options: | |
|---|--------------------------------------|-----------------------------------|
| Mx-4800: 0 to 8 Loop panel (No Loop Cards fitted) | Mxp-002: Loop Driver | Mxp-008 8-way Relay card |
| Mx-4802: Mx-4800 c/w 2 Loop Card Fitted & Tested | Mxp-012: On-Board Printer | Mxp-014: 8-way Input card |
| Mx-4803: Mx-4800 c/w 3 Loop Card Fitted & Tested | Mxp-025F: 20 Zone LED Card | Mxp-028: Internal Modem card |
| Mx-4804: Mx-4800 c/w 4 Loop Card Fitted & Tested | Mxp-013-100F: 100 Zone LED Card | Mxp-027-100F: Advanced Mimic Unit |
| Mx-4805: Mx-4800 c/w 5 Loop Card Fitted & Tested | Mxp-013-050F: 50 Zone LED Card | Mxp-029F: Shop Interface Unit |
| Mx-4806: Mx-4800 c/w 6 Loop Card Fitted & Tested | Mxp-011: Access enable key switch | Mxm-032: Semi-Flushing bezel |
| Mx-4807: Mx-4800 c/w 7 Loop Card Fitted & Tested | Mxp-003: Standard Network card | |
| Mx-4808: Mx-4800 c/w 8 Loop Card Fitted & Tested | Mxp-009: Fault Tolerant Network card | |

| Mx-4800 | Specification Details |
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| Base Technology | Dual Flash based Processors with real time clock, 'TracE' diagnostics, 'PuLsE' communications & programmable languages |
| Display | Backlit 240x64 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 & System Keys for Reset, Mute, Silence/Resound & Evacuate |
| Protocols | Hochiki ESP, Apollo XP95, S90, Xplorer and Discovery |
| Number of Fire Zones | 1000 'Dynamix' |
| Number of Loops | 1 – 8. Expandable via individual plug-in loop driver |
| Devices per loop | As per Detector Manufacturer's Specifications |
| Loop Current | 500mA |
| On Board Sounder circuits | 8 x 1 Amp Programmable |
| On Board Relays | 4 x 1 Amp 30v AC/DC Programmable |
| Auxiliary Supply | 2 x 24v 300mA (500mA from S/W V019) |
| Open Collector / Logic Outputs | 16 x Programmable (via optional 8-way relay cards) |
| Programmable Switch Inputs | 16 x Volt Free Digital Inputs (via optional 8-way input cards) |
| On Board Power Supply | 2 x 5 Amp High Efficiency Switched Mode |
| Mains Supply | 220 - 240 V (+10%, -15% tolerance) 50/60Hz AC 2 Amp maximum |
| Battery Capacity | 2 sets of 24v 4 Ah internal Minimum. 24v 38Ah Maximum |
| Charger Current | 2 x 2.4 Amp DDP monitored, temperature compensated integral charger |
| Serial ports | 2 x RS232 Onboard for PC, Modem or External Printer |
| Programming | Via on-board Keypad or PC running Windows Tools |
| Event Log | 1000 Fire & Event + Diagnostic |
| Networking | Optional plug in Network card |
| Printer (Option) | Optional on-board or External Serial Printer |
| Enclosure / Colour | Steel IP30 / Beige (textured) |
| Cable Entry | 20mm Knock-outs. 36 x top, 9 x top rear and 2 x bottom |
| Size H x W x D mm | Enclosure: 950 x 450 x 190 Back Box only (When recessing): 950 x 450 x 173 |
| Weight | 23Kg |
| Metalwork Options | Semi Flushing Bezel |
| Standards | BS EN54-2:1998, BS EN 54-4:1998 |
| As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice | |

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