

1-4 Loop Panel



Features:

- Fully expandable from 1 to 4 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.
- 5 Amp power supply and charger to EN54 part 4.
- 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.
- 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.
- Powerful cause and effect programming coupled with the flexible **'Dynamix'** zoning makes the panel suitable for a wide range of site applications including the most complex multi area systems.
- 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-4400: 0 to 4 Loop panel (No Loop Cards fitted) Mx-4400/D: As Mx-4400 with deep enclosure suitable for 2 x 38Ah batteries Mx-4401 to Mx-4404: Mx-4400 c/w 1 to 4 Loop Cards respectively Fitted & Tested Mx4401/D to Mx-4404/D: As Mx-4401 to Mx-4404 with deep enclosure	Mxp-002: Loop Driver Mxp-012: On-Board Printer Mxp-025F: 20 Zone LED Card Mxp-013-100F: 100 Zone LED Card Mxp-013-050F: 50 Zone LED Card Mxp-011: Access enable key switch Mxp-003: Standard Network card Mxp-009: Fault Tolerant Network card	Mxp-008 8-way Relay card Mxp-014: 8-way Input card Mxp-028: Internal Modem card Mxp-027-100F: Advanced Mimic Unit Mxp-029F: Shop Interface Unit Mxm-007: Glass Door Kit Mxm-002: Semi-Flushing bezel

Mx-4400	Specification Details
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' when networked (200 per individual panel)
Number of Loops	1 – 4. Expandable via individual plug-in loop driver
Devices per loop	As per Detector Manufacturer's Specifications
Loop Current	500mA
On Board Sounder circuits	4 x 1 Amp Programmable
On Board Relays	2 x 1 Amp 30v AC/DC Programmable
Auxiliary Supply	1 x 24v 300mA (500mA from S/W V019)
Open Collector / Logic Outputs	8 x Programmable (via optional 8-way relay card)
Programmable Switch Inputs	8 x Volt Free Digital Inputs (via optional 8-way input card)
On Board Power Supply	5 Amp High Efficiency Switched Mode
Mains Supply	220 - 240 V (+10%, -15% tolerance) 50/60Hz AC 1 Amp maximum
Battery Capacity	24v 4 Ah internal minimum. 24v 17Ah internal maximum. 24v 38Ah maximum with deep enclosure. 24v 48Ah maximum with large enclosure
Charger Current	2.4 Amp DDP monitored, temperature compensated integral charger
Serial ports	1 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. 18 x top, 9 x top rear and 2 x bottom
Size H x W x D mm	Enclosure Mx-4400: 475 x 450 x 125, Back Box only (When recessing): 475 x 450 x 105 Enclosure Mx-4400/D: 475 x 450 x 190
Weight	Mx-4400: 10.5kg, Mx-4400/D: 12kg
Metalwork Options	Semi flushing Bezel, Utility Enclosure and a range of special finishes including Stainless Steel, Brass and Chrome
Approvals	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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