Single Loop Fire Alarm Control Panel

Mx-4100

Advanced Fire Panel Technology

The Mx-4100 comes fitted complete with an internal loop driver card and 2 on-board sounder circuits. The control panel consists of a simple to use LCD menu driven graphical interface, dual, flashbased microprocessor technology driven by an board 24V DC, 2 Amp High Efficiency Switched Mode power supply and charger approved to EN54 parts 2 & 4.

Dedicated system navigation keys makes learning this control panel user friendly as well as installer friendly due to the uncomplicated, trouble free, commissioning and fault finding.

Powerful Cause and Effect programming coupled with 'DynamiX' zoning makes the panel suitable for a wide range of site applications, from small to large complex multi area systems. Fully on site programmable via on board alphanumeric keypad or PC-NeT Configuration tools.

PC Software

An extensive suite of PC based, software programs have been developed to supplement the Mx-4000 series Fire panels.

User-friendly Windows based PC-NeT configuration software includes a virtual panel allowing for remote diagnostics via a low cost modem connection, saving time and expense for any travelling or maintenance.

BS EN 54-2 & 4
KM 69695

CE

0086-CPD

Features

- On board internal loop card.
- Full support of Apollo (Discovery, Xplorer S90 & XP95) , Hochiki ESP protocols.
- Advanced graphical LCD user interface with up to 250 fire zones as standard, allowing full EN54 compliance without additional hardware or LED indication.
- Optional remote printer.
- Dual, flash based, microprocessor technology with on-board Real Time Clock.
- Dedicated RS232 serial port for direct PC or modem connection.
- 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.
- 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.
- Robust, removable equipment chassis with plug-in connectors for simple fixing and cable termination.
- 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.

Key Features

Single Loop Control Panel

EN54 Parts 2 & 4 'Approved'

Apollo/Hochiki Protocol

3 Year Warranty as standard

Global Compliance

Multiple Languages

Fully Networkable

Specification

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	Apollo (S90,XP95, Xplorer and Discovery), Hochiki ESP, Nittan Evo & Argus Vega
Number of Fire Zones	250 'Dynamix' (100 per individual panel)
Number of Loops	1
Devices per loop	As per Detector Manufacturer's Specifications
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
Open Collector / Logic Outputs	2 x Programmable (via optional 2-way relay card)
Programmable Switch Inputs	8 Volt Free Digital Inputs
Total Available Output Current	2 Amps Maximum Available for loop current + sounder outputs + auxiliary supply
Mains Supply	230 V 50 Hz 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 ports	1 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 (Optional)	External Serial Printer
Enclosure / Color	Steel IP30 / Beige (textured)
Cable Entry	20mm Knock-outs. 7 x top, 7 x top rear
Size H x W x D mm / Weight	Mx-4100 : 320 x 345 x 85 / 6 Kg
	Mx-4100/L or /LG : 340 x 355 x 125 / 7Kg
Metalwork Options	Mx-4100 : Back Box Only (When Recessing) 320 x 345 x 70 / 2Kg
	Mx-4100/L or /LG : Back Box Only (When Recessing) 340 x 355 x 100 / 3Kg
	Flushing Bezel, Battery Box and a range of special finishes including Stainless Steel, Brass and Chrome
Approvals	BS EN54-2:1998, BS EN 54-4:1998

Order Codes

Mx-4100: Single Loop Analogue Addressable

Mx-4100L: Single Loop Analogue Addressable c/w Lockable Hinged

Mx-4100/LG: Single Loop Analogue Addressable c/w Lockable Hinged Door & Perspex Kit

Options

Mxp-003: Standard Network Card

Mxp-003/9: Standard/Fault Tolerant Network Card

Mxp-024F: 20 Zone LED Card for Mx-4100 Fitted

Mxm-001: Semi-Flushing Bezel