DATASHEET
1-2 LOOP FIRE ALARM CONTROL PANEL

HY-5401/HY-5202, HY-5201-L/HY-5202-L/HY-5201-LD & HY-5202-LD

The HY-5000 series control panels are fully expandable 1-2 loops and supplied with one or two drivers, 2 onboard sounder circuits, 20 programmable zonal LEDs with slide in labels and 25 system LEDs for information purposes. There are also 4 programmable function buttons with LED indication for confirmation of operation.

The control panel has a high resolution, high contrast graphical backlit display and a tactile keypad providing simple panel facing access for engineer onsite programming as well as end user access.

Powerful easy to use cause and effect programming allows for excellent False Alarm Management. Dynamic zoning and enhanced diagnostics makes the panel suitable for a wide range of site applications, from single panel sites to multi-area installations.

A full suite of user-friendly windows-based PC software tools support the range of HY-5000 panels. Included are configuration and service tools as well a logo programmer and a virtual terminal. This makes it easy to program and manage the wide range of peripheral equipment to be fully utilised.

The application of HY-5000 panels can extended by the addition of dedicated network cards. This means one panel can be linked to other panels as well as remote terminals and remote interactive displays and many other peripherals. Systems can be linked to BMS or graphical interfaces as well using the IPGatewayTM. The network offers true peer to peer operation and can be radial or fault tolerant.

KEY FEATURES

• Dedicated Hyfire (Argus) protocol
• 3 Year warranty
• Expandable from 1 to 2 loops
• Advanced graphical LCD user interface and support for up to 200 fire zones by default allowing full EN54 compliance without additional hardware
• 20 Programmable zonal LEDs and 25 system LEDs
• Dedicated USB & RS232 serial port for direct PC or modem connection
• Fully networkable, peer-to-peer allowing for up to 2000 zones
• Fully programmable with an integral peripheral bus for system expansion via option al cards
• 4 Programmable push buttons
• Graphical display and panel configurable for multiple languages
• Installers logo application
• Installer friendly auto-learn and loop detection complete with onboard fault-finding tools
• Robust removable chassis, simple plug-in connectors and a selection of panel enclosure sizes

STANDARDS & APPROVALS

• EN54-2:1997 +AC:1999 +A1:2006
• EN54-4:1997 +AC:1999 +A1:2002 +A2:2006
• EN54-13:2020

UKCA | CE

1-2 LOOP FIRE ALARM CONTROL PANEL

SPECIFICATION

Display	White backlit 240 x 64 graphical LCD (6 lines of 40 characters)
LED Indicators	22 Red (1 x Fire, 1 x More alarms, 20 x Zonal Programmable), 1 Green (Power), 13 Amber & 12 Bi-colour (Fault & System)
Controls	Alpha numeric keypad permitting navigation, Reset, Mute, Silence, Resound, Evacuate and 4 programmable
Protocol	Hyfire (Argus Vega)
Number of Fire Zones	2000 (200 per individual panel)
Number of Loops	Dedicated 1-2 loop panel
Devices per Loop	240
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 to 4 (additional card)
Auxiliary Supply	1 x 24V 500mA
Programmable Input	1 x Monitoroed programmable input on-board
Programmable Key Switch Inputs	8 x Volt free inputs
Total Available Output Current	5A Maximum available for loop current + sounder outputs + Aux. supply
Mains Supply	200-240V 47-63Hz AC (+10%, -15% Tolerance)
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 & diagnostic + 500 fire
Networking	Optional plug-in network card (Mxp-503 - standard, Mxp-509 - fault tolerant)
Enclose/Colour	Steel IP30/RAL7035
Metalwork Options	Flushing bezel, battery box, utility enclosure, termination enclosure

Dimensions & Capcities

	Battery Capacity	Cable Entry	H x W x D (mm)
Standard	24V 4Ah(min.) 24V 12Ah (max.)	17 x top,11 x rear	345 x 430 x 120
Large	24V 4Ah(min.) 24V 18Ah (max.)	19 x top, 11 x rear	475 x 430 x 120
Large-Deep	24V 4Ah(min.) 24V 45Ah (max.)	30 x top, 11 x rear	475 x 450 x 190

HY-5200 SERIES

HY-5201	Hyfire 1-2 Loop Panel c/w 1 loop card, Standard (medium) Enclosure
HY-5202	Hyfire 1-2 Loop Panel c/w 2 loop cards, Standard (medium) Enclosure
HY-5201-L	Hyfire 1-2 Loop Panel c/w 1 loop card, Large Enclosure
HY-5202-L	Hyfire 1-2 Loop Panel c/w 2 loop cards, Large Enclosure
HY-5201-LD	Hyfire 1-2 Loop Panel c/w 1 loop card, Large Deep Enclosure
HY-5202-LD	Hyfire 1-2 Loop Panel c/w 2 loop cards, Large Deep Enclosure

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