Morley Analogue Control System

MORLEY PANEL MULTILOOP ANALOGUE ADDRESSABLE SYSTEM

- Versions approved to BS5839 Pt 4, EN54 Pt 2.
- 1-Multiloop flexibility.
- Fully on site programmable.
- 500 event activity logger.
- Integrated alpha numeric keypad.
- Optional flush mounting kit.
- Glazed door option.
- 40 or 80 LED zonal fire and fault indicators.
- Optional printer.
- Fully programmable sounders and outputs.
- 1 to 2 loop and 1 to 5 loop variants.
- A full range of accessories are available.

Dimensions
The Morley Panel range is available in 2 enclosure sizes, depending upon the number of loops;
1 - 2 loop Panel (mm) 400W x 400H x 135D
1 - 5 loop Panel (mm) 500w x 500 H x 185D
1 - 2 loop Printer (Separate enclosure)
Size - 400W x 170H x130D

Power consumption
1 - 2 loop Base Unit 90mA
1 - 5 loop Base Unit 225mA
Each loop 30mA
Each RS 485/232 30mA

Internal battery capacity
1 - 2 loop panel 12AH
1 - 5 loop panel no printer 17AH
1 - 5 loop panel with printer 17 AH
Long standing duration may require an additional battery enclosure.
Stand-by battery requirements should be verified Fire and Safety Solutions.

Standard panel display options
2 line x 40 character LCD. 24 zone LED’s.
1 - 2 loop 20 zones
1 - 5 loop 20 zones standard expandable to 80 zones in 20 zone steps

Loop powered sounders (APOLLO PROTOCOL)
The following relates to the Apollo XP95 protocol base sounder:
Volume Setting and quantity of loop powered sounders per loop.
Low (85dB) 50
High (92dB) 25
Compatibility
The Morley Panel is compatible with all Apollo XP95, Xplorer & Discovery devices, including the wall-mounting High Power Loop Sounder, the Multi Sensor, the Beam Detector and the Flame Detector. The Morley Panel is a particularly flexible and expandable analogue addressable fire alarm control panel which accommodates any system from a single loop through to largest multi-panel networked installations. Utilising XP95 based protocol allows up to 126 separate loop devices and loop sounders on the control loop itself.

Standard panel inputs/outputs

Outputs
• 1-2 Loop - 2 Sounder circuits.
• 1-5 loop - 4 Sounder circuits.
• Each sounder circuit 1 amp max. (Subject to total panel load) Additional sounders are available.
• 2 x programmable auxiliary output (VFCO)
• Optional RS 485 & RS232 outputs.
• Optional 4 way relay/ sounder card.

Inputs
• 1 - 5 loop - on board switch/key switch options.
• Optional 8 way input card.
• Options available via on loop devices.

Repeaters
The FW9001 range can drive up to 4 repeater panels on a standard RS485 output. It is usual for the repeaters to be powered by the main panel as they draw only 125mA. Separate power supplies can be used. The total repeater loop is limited to 1000M. If more than 4 repeaters are required a high output RS485 card will support up to 31 repeaters (+PSU's) on a 5000m loop. Repeaters are available with the standard LCD with or without controls (silence, mute, reset, sound alarm)

Dimensions - 225m W x 155mm H x 50mm D

Special finishes
The 1 - 2 loop panel is constructed from metal and finished in RAL 9002 Grey.
The 1 - 5 loop panel is constructed from metal and is finished in RAL 9002 Grey
The above enclosures are available with stainless steel or brass finishes

Networking
All FW9001 panels can be networked. This involves adding an RS485 card to each panel.

There are many options for networking including,
• All master system
• Master/Slave system
• Local control
• Global control

Cable requirements for Networks are
• Beldon 8760
• For non essential data path
• Pirelli FP Gold High Twisted Pair for essential Data Path
• 2 Cores for data
• 2 Cores for power
• Maximum Cable length on a standard RS485 is 1000m (panel to panel)
• Using the HI485 this length is increased to 3000m (panel to panel)
• Standard software will support 20 panels
• Special software will be required for larger systems

For further information contact kevin@fireandsecuritysolutions.co.uk

Fire and Safety Solutions
Mobile: +44 (0) 7917134740
Telephone: +44 (0) 1234 766121
Fax: +44 (0) 1234 766121