

features

- Multi-protocol
- Modular concept
- Simple, robust design
- Intuitive to use
- Easy to maintain
- Easy to expand
- Easy to network
- Easy to install
- Easy to configure

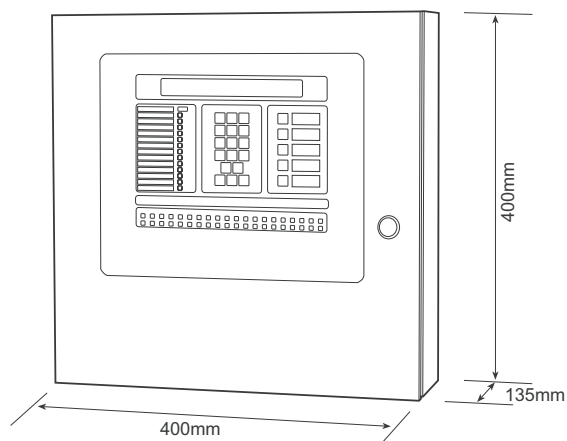
The ZX2e is an intelligent fire alarm control panel. It has been designed and is constructed around proven and reliable microprocessor technology. This simple approach has produced a modular, scalable fire alarm platform suitable for protecting all types of premises.

The ZX2e control panel supports a total of five industry leading protocols, allowing fire detection devices to be independently selected based on performance or aesthetic appeal. The ZX series control panels seamlessly integrates with Apollo (Xplorer, XP95 & Discovery), Hochiki ESP, Nittan, Morley-IAS and System Sensor detection device protocols.

Designed for maximum flexibility the ZX2e control panel is supported by a complete suite of peripherals and software tools. Information on the location of fires, faults and system status can easily be displayed or printed in multiple locations. Integration to Voice Evacuation Systems, paging systems and third party control systems is supported through a range of peripheral interface units.

This adaptability, support and intelligence means that the ZX2e is suitable for new projects, system expansions, retrofits and system upgrades in all

application areas. Offices, industrial units, multi-storey buildings, entertainment venues, industrial plants and hospitals are a few of the many applications that can benefit from the features of the ZX2e intelligent multi-protocol fire alarm control panel.



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ZX2e Multi-protocol Fire Alarm Control Panel Data Sheet



220(0402)

is simplified through clearly designed user interfaces. Once completed the configuration of the panel can be saved for future reference. Enhanced features allow the complete archiving of the control panel history log and a Virtual Panel Interface enables all control commands to be entered using the computer.



maintenance

The ZX2e intelligent fire alarm control panel has been designed to help with the normal operation of a fire detection system. Standard weekly testing is available through a simple menu structure allowing selection of the zones to be tested and the optional activation of the outputs or ringing of the sounders.

The status of individual devices can be analysed to determine whether cleaning or replacement is required. This information can either be viewed directly on the LCD or printed for reference.

As the installation grows the ZX2e can expand with the installation, adding additional devices, loop cards, printers, display repeaters or interface devices. If the installation becomes too big for a ZX2e it can be upgraded by using the larger ZX5e or simply networking two or more control panels together.

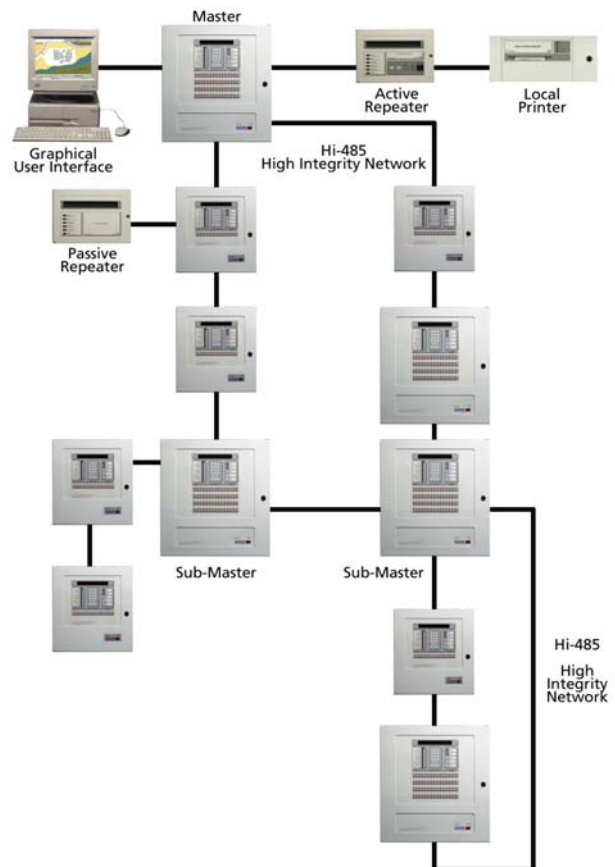
networking

The Morley-IAS network is unique. A clever protocol allows for the propagation and distribution of all messages and controls. A robust protocol that can be used over long distances, even on MICC, mineral based fire resistant cabling. The ZX2e can be networked with other ZX series control panels using Master/ Slave architecture. Up to a maximum of 99 control panels can be networked together using the standard control panel operating system. The network can be configured in two ways:

For single sites or large buildings the networking is normally configured as one large system.

Each networked control panel shares information. Alarms and communications are reported to each individual display.

If the fire alarm system is to provide cover for multiple buildings or multiple sites it is normally configured to operate in a report and control mode. The fire alarm panels act individually or as sub-systems only reporting information to the master on the level above.



specification

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|---------------------------------|---|
| Operating Voltage: | 230V 50Hz AC (+10%, -15% voltage tolerance) |
| Max. PSU Rating: | 2.5 Amps total, comprising: |
| Battery Charger: | 0.7 Amps |
| Internal & External Loads: | 1.8 Amps |
| Standby Batteries: | 24V sealed lead acid batteries |
| Minimum Capacity: | 2x 12V 6Ah (internally fitted) |
| Maximum Capacity: | 2x 12V 12Ah (internally fitted) |
| Maximum Capacity: | 2x 12V 17Ah (externally fitted) |
| Power Supply: | |
| Input(s): | 24V and 7VAC (from integral mains transformer) |
| Output(s): | 24V nominal (26.5 - 19.5 Vdc) |
| Dimensions (mm): | 400 x 400 x 135 (H x W x D) |
| Weight: | 10 kg without batteries 18.5 kg with 2x 12Ah batteries |
| Environmental Operating Limits: | |
| Temperature: | 0°C to +40°C |
| Humidity: | 85% non-condensing, maximum |
| Construction: | Sheet steel painted, sealed to IP30 |
| Cable Entry: | 14 x 20mm knock-outs in top of cabinet 2 x 20mm knock-outs in bottom of cabinet |
| Loop Capacity: | 1 to 2 loops expandable |
| | Apollo, Nittan and Hochiki Protocols: Max. 126 devices (detectors and modules) per loop |
| | Morley-IAS and System Sensor Protocols: Max. 99 sensor and 99 module addresses per loop |
| Note : | Multiple sensor protocols cannot be used in the panel simultaneously. |
| Zones: | Up to 20 zone with individual LED indicators. A maximum 200 can be programmed with up to 180 software zones with no LED indication. |
| Internal Sounder: | Intermittent buzzer (fault condition) High-pitched continuous buzzer (fire condition) |
| External Outputs: | |
| Sounder Outputs: | 2 programmable outputs. Open and short circuit monitoring. 1A maximum per output. |
| Auxiliary Relays: | EN54 format at 1 fault relay and 1 programmable relay voltage free, changeover outputs Contacts rated at 24V AC/DC, 1A, 0.6 pF maximum. |
| User Controls: | MUTE, ACCEPT, SILENCE/RESOUND, SOUND ALARMS & RESET |
| Programming Controls: | Alphanumeric multi-level keypad with 15 keys and three control keys: YES, NO (CANCEL/ESC), and ENTER |

| | |
|---|---|
| LED type general panel status indicators: | FIRE, FAULT, ACCEPTED, DISABLEMENT, TEST, SOUNDER FAULT, DELAYED MODE, RELAYS DISABLED, EARTH FAULT, SYSTEM/CPU FAULT, SOUNDERS DISABLED, ALARMS SILENCED, SUPPLY FAULT, POWER. |
| LED type zone Indicators (for 20 zones): | FIRE, FAULT/TEST/DISABLED |
| Display: | 2x40-character LCD alphanumeric display with back-light. |
| Serial Interface: | 2 serial ports with connections for optional RS485 or RS232 plug-in communication cards. |
| Networking: | Maximum 99 panels can be networked using a Master Network and connected Sub-Networks. |
| Approvals: | CE LPCB certification pending |

part numbers

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|-------------|---|
| 720-001-001 | ZX2e Fire Alarm Control Panel (English) |
| 795-066 | Apollo XP95 & Discovery Loop Driver Card |
| 795-048 | Apollo S90 Loop Driver Card |
| 795-058-005 | Hochiki ESP Loop Driver Card |
| 795-044 | Nittan Loop Driver Card |
| 795-068 | System Sensor Loop Driver Card |
| 795-005 | RS232 Communication Card |
| 795-004-001 | RS485 Communication Card |
| 795-078 | Fire 6 Windows™ Configuration Tool |
| 795-079 | Programming interface lead & Fire 6 Windows™ Configuration Tool |
| 795-014 | 4 way programmable relay module, pcb only. |
| 795-015 | 4 way programmable sounder module, pcb only. |
| 795-029 | 8 way programmable input module, pcb only. |
| 795-038-001 | Hi-485 communication module, pcb only. |
| 795-065 | 40 way programmable mimic interface module, pcb only. |
| 709-001 | ZXR5B Active Repeater. LCD, System Status indicators and user controls for Silence, Reset, Mute and Evacuate all activated by a key switch. |
| 709-101 | ZXR4B Passive Repeater. LCD and system status indicators. |
| 795-060-002 | External remote printer module. |
| 795-057 | MODBUS interface unit. |
| 795-067-001 | Paging system interface module. Suitable for SCOPE, ASCOM/TELENOVA. |