features

- Compatible with Morley-IAS intelligent multi-protocol fire alarm control panels
- Connects to RS485 peripheral bus
- Active or Passive options
- Backlit adjustable alphanumeric display
- General status LEDs
- Controls for system reset, accept, mute, silence alarms and self test (active repeater only)
- "Access Enable" key-switch on active repeater

The Morley-IAS repeaters are compact remote control units for Morley-IAS intelligent multi protocol fire alarm control panels. These units, along with other I/O peripheral devices and the external printer further enhance the flexibility and functionality of our fire alarm control panel range.

The repeaters provide an extension to the operation of the fire alarm control panel. There are two types available - passive with indications only and no controls, or active with both controls and indicators. Both display the operational state of the control panel using the 80 character LCD display and the 7 LED status indicators.

In addition to the general status indicators the Active repeater is fitted with key operated "Access Enable" switch for the control functions. Individual buttons are provided for System Reset, Mute, Accept, Sound Alarms, Silence/Re-sound Alarms and Self test. Thus enabling control functions to be duplicated in strategic locations around the installation.

The Active repeater includes an integral self test sequence guiding the operator through a preset sequence to test the functionality of the control buttons, key-switch and display indicators.

Each repeater is connected to the Morley-IAS fire alarm control panels using the RS485 peripheral data port (Port D) as shown in the schematic overleaf. A maximum of 31 active repeaters can be connected to the peripheral data port. The ZX fire alarm control panel supervises the connection between itself and the repeater, proving the integrity of the cabling and indicating faults both on the repeater and the fire alarm control panel. Passive repeaters are not supervised, but a loss of communication with the fire alarm control panel will be indicated on the passive repeater.

The repeaters require an external power supply of +24Vdc (nominal) to operate. Power may be taken from the auxiliary supply of the ZX series control panel or from any other suitable dc power supply.

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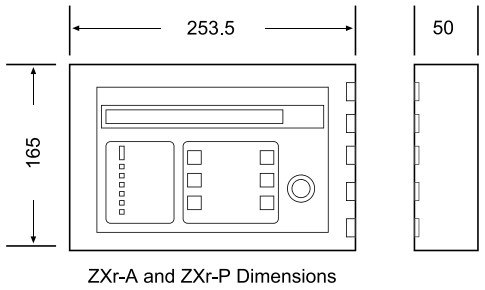
ZXr-A & ZXr-P
Repeaters
Data Sheet

310 (0203)

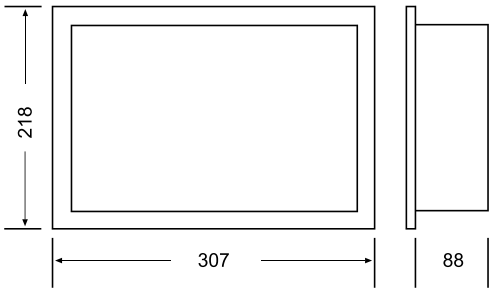
We reserve the right to amend any design or specification in line with our policy of continuing development and improvement. © Morley-IAS Fire Systems 2003.

mechanical

Weight	1.7Kg (approx)
Operating Temperature	+5 °C to +45 °C
Maximum Humidity	10% to 93% non-condensing



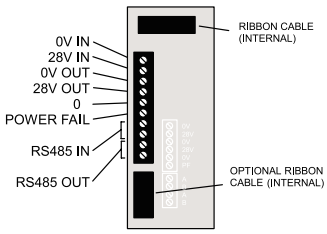
ZXr-A and ZXr-P Dimensions



ZXr-A and ZXr-P Bezel Dimensions
Bezel cutout - 267 x 179 x 90
All dimensions in mm.

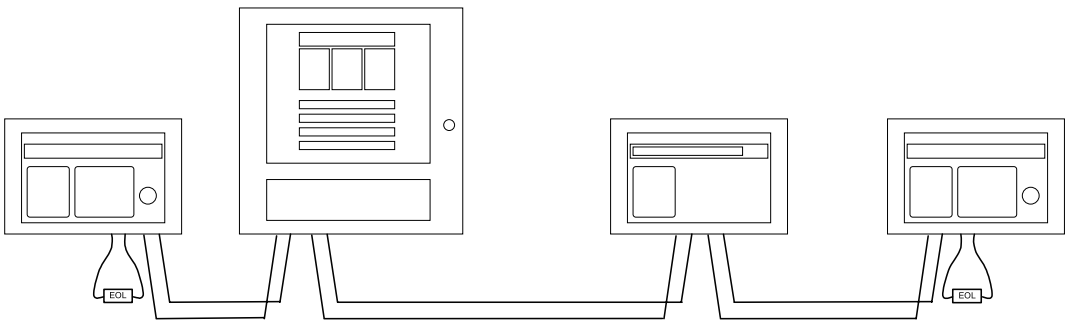
electrical

Operating voltage	18 to 32 Vdc
Operating current	90mA (Quiescent) 120mA (Alarm)
Terminals	Maximum cross section 2.5mm^2
LED indications	Fire, Fault, Disabled, Accepted, Silenced, Power, Communications loss.
User controls	Keyswitch activated - System Reset, Sound Alarms, Silence/Resound, Mute, Accept and Self Test.



part numbers

709-601-001	ZXr-A Active Repeater
709-701-001	ZXr-P Passive Repeater
002-600-002	Repeater Bezel
795-004-001	RS485 Communication Module



RS485 Communication Bus

local distributor

Every care has been taken in the preparation of this data sheet but no liability can be accepted for the use of information therein. Design features may be changed or amended without prior notice.