

features

- Flexible configuration. Unit can be configured locally using the serial port or remotely over Ethernet
- Point to point or multi-point (Broadcast) communication
- TCP/IP protocol
- Galvanic isolation and transient protection
- DIN-rail mounting
- AC or DC powered
- RS485 interface

The RS485 Ethernet Converter has been selected to facilitate the networking of Morley-IAS Fire Systems "ZX" range of control panels and peripheral devices utilising a Local Area Network (LAN).

Many larger organisations, establishments or large retail chains utilise a dedicated LAN to provide secure IT services between not only different parts of a building but indeed different buildings with the country. This infrastructure can now be used to network the "ZX" range of control panels and associated peripheral devices, using the RS485 Ethernet Converter, to facilitate centralised monitoring of the fire alarm system without the need to install an expensive dedicated fire alarm network.

It is important that detailed discussions take place with the IT manager on site and the Morley-IAS applications engineer who can provide technical support to assist with the successful implementation of such a network.

A fire alarm system is an important "Life Safety" system and we would therefore recommend that the "fire strategy" is not reliant on the LAN for either control of fire alarm sounders or the summoning of emergency services. Integrity can always be improved by installing a GSM modem (part no. 3196-0001) to alert a mobile phone user of a panel in alarm, effectively providing a back-up in the event of a network failure. The diagram overleaf details a typical application utilising a master panel connected to a number of slave panels, an active repeater or the Morley-IAS graphical interface software.



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RS485 Ethernet Converter



Application Sheet

269(1102)

installation

The following equipment can be interconnected using th RS485 Ethernet Converter; ZX1e (can only be used in conjunction with port "D"), ZX2e or ZX5e equipped with an RS485 communications card (part no. 795-004-001), Hi-485 communications card (part no. 795-038-001) or any one of the following items of peripheral equipment.

Description	Part No.
Passive repeater panel	709-701-001
Active repeater panel	709-601-001
4 way relay module	795-014
4 way sounder card	795-015
8 way input module	795-029
40 way mimic interface module	795-065
VisualeyeZ Graphics	

unit within a standard control panel by installing a short length of 35 mm DIN rail. However this is entirely dependent on the plug-in cards, printer option and batteries fitted to a particular panel, as space is limited.

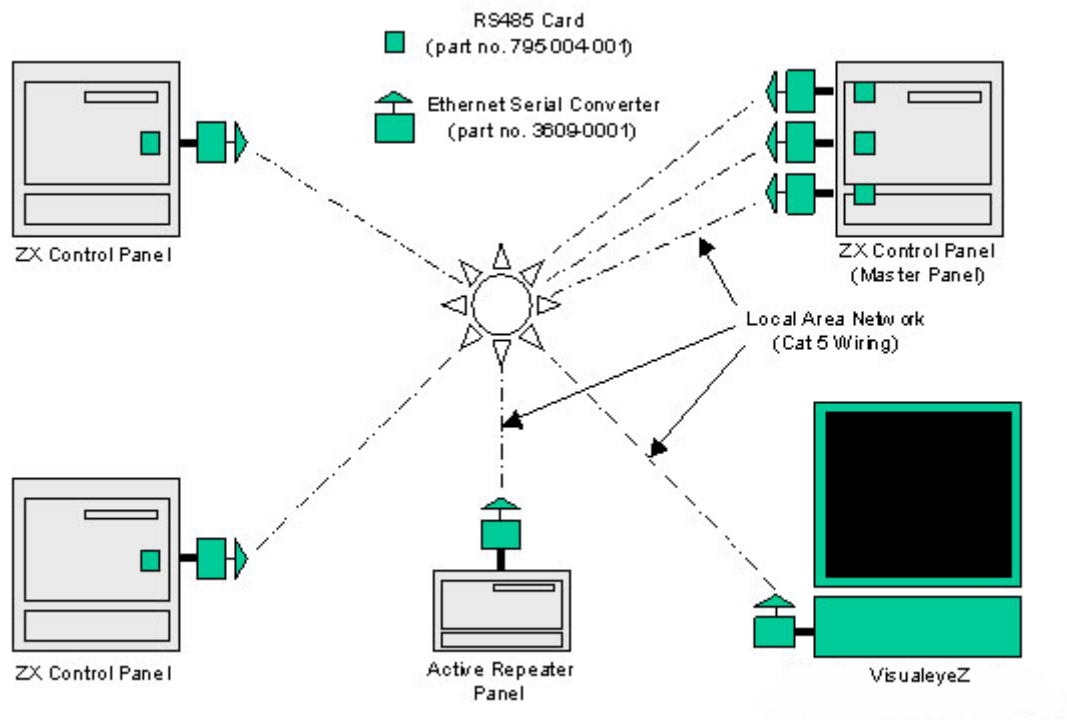
The unit requires a 24 VDC supply and again this may be derived from the auxiliary supply within the panel, however this is also dependant on whether the auxiliary supply (limited to 350 mA) is being utilised to drive other peripheral cards.

An RS485 communications card, (part no. 795-004-001) must be fitted to the control panel when using the RS485 Ethernet Converter. Please note that the RS485 Ethernet Converter requires some configuration to be carried out by Morley-IAS. Please contact the Morley-IAS applications engineer at Burgess Hill for details.

part numbers

The RS485 Ethernet Converter is supplied suitable for DIN rail mounting and requires an enclosure to accommodate the unit. It may be possible to mount the

Part No.	Unit
3609-0001	RS485 Ethernet Converter



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