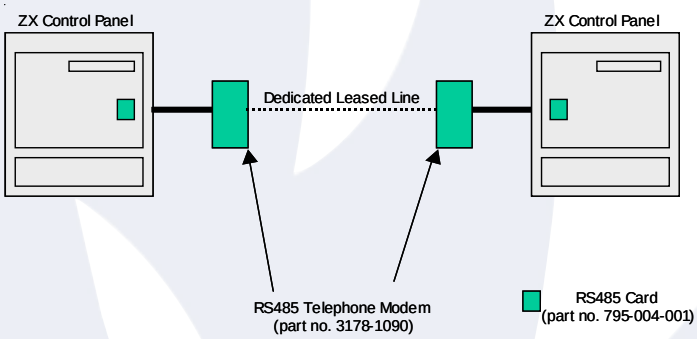
features

- Dial-up or leased line (2-wire and 4-wire)
- RS485 interface
- Supports standard AT-commands
- Simple DIP-switch configuration
- Data compression V.42bis and MNP5/Error correction V.42 (MNP 2-4; LAP-M) and MNP 10
- Watchdog, monitoring circuit
- Galvanic isolation
- Reliable long-distance communications

The RS485 telephone modem is an industrialised dial and leased line modem that can be connected to the public telephone network. The modem can be used for point to point communication between the Morley-IAS "ZX" range of fire alarm control panels and peripheral equipment utilising existing RS485 communications. The modem is ideal for use with Morley-IAS control equipment where a suitable network data cable cannot be installed, or where the distances between the control equipment need to be extended.



Multi-drop application

The RS485 telephone modem is particularly useful when networking the "ZX" range of control panels installed in different buildings or even located on different sites. When networking the Morley-IAS "ZX" range of fire alarm control panels and peripheral equipment using telephone modems a dedicated leased line must be used, effectively providing a hardwired link between panels. The multi-drop version (part no. 3602-1001) is required, as detailed below, if more than two panels are to be networked together.

MORLEY IAS
FIRE SYSTEMS
by Honeywell

Charles Avenue
Burgess Hill
West Sussex
RH15 9UF UK

T : +44 (0) 1444 23 55 56
F : +44 (0) 1444 25 44 10
E : sales@morleyias.co.uk
www.morley-ias.co.uk

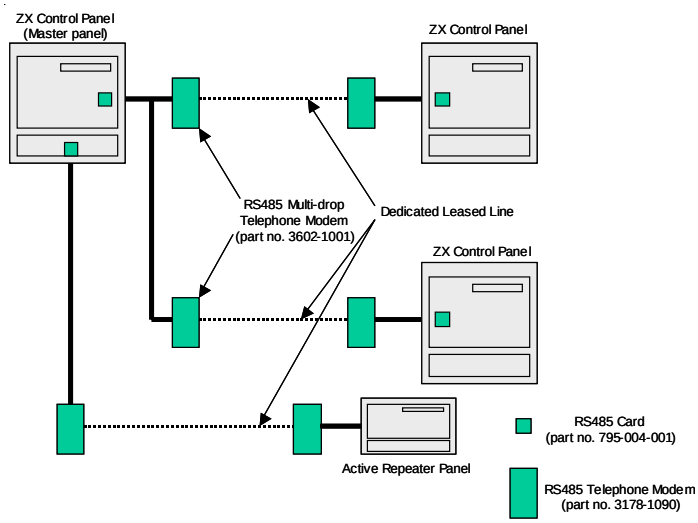


RS485 Telephone Modem

Application Sheet

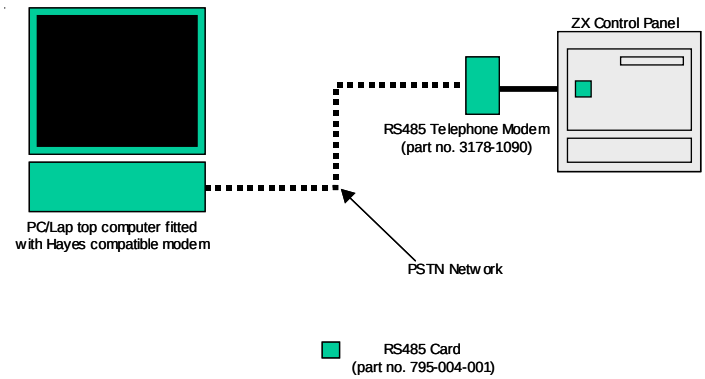
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We reserve the right to change or amend any design or specification in line with our policy of continuing development and improvement.



Dial-up application

The RS485 telephone modem (part no. 3178-1090) can also be utilised in a dial-up application when used with the Morley-IAS "PC dial-up modem software" (part no. 795-056). This software provides the facility to dial into a panel using a normal domestic or business telephone line over the PSTN network in order to interrogate the status of the fire alarm system. This can be particularly useful when systems are installed in remote locations, giving the maintenance provider the opportunity to ascertain the nature of the fault before despatching an engineer to site.



installation

The following switch settings should be used when connecting the RS485 telephone modem to either a ZX1e (can only be used in conjunction with port "D"), ZX2e or ZX5e equipped with an RS485 communications card, (part no. 795-004-001) or any one of the following items of peripheral equipment.

- 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

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

RS485 communications card, (part no. 795-004-001) must be fitted to the control panel when using the RS485 telephone modem.

The RS485 telephone modem 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.

Switch settings

	application	
	Dial-up	Leased line
Switch 1	1-4 OFF	1 Off 2 ON 3-4 OFF
Switch 2	1-8 OFF	1-8 OFF
Switch 3	1 OFF 2 ON 3-8 OFF	1 OFF 2 ON 3-8 OFF
Switch 4	1 OFF 2-3 ON 4 OFF 5-6 ON 7 OFF 8 ON	1 OFF 2-3 ON 4 OFF 5-6 ON 7 OFF 8 ON
Switch 5	1-4 ON 5-8 OFF	1-4 ON 5-8 OFF

part numbers

3602-1001	RS485 Telephone Modem (Multi-drop applications)
3178-1090	RS485 Telephone Modem