GLOBAL
FIRE EQUIPMENT

DATA SHEET

J-NET-INT-FO

FIBRE OPTIC INTERFACE

The J-NET-INT-FO interface modules allow GFE's range of panels to be interfaced to repeaters and/or sub-panels using fibre optic cable using a common data communication loop in a ring topology. These units also use a double-redundant data communication loop for extra security and reliability.

These modules are used in the fire alarm control panel to provide a communications interface for the following:

1) An Orion conventional panel and its repeater(s).
2) A Junior, analogue addressable panel, and its mini-repeater(s).
3) A Juno Net panel and Juno Net Repeater(s), Mini-Repeater(s) and or Sub-Panels.

The interface module is compatible with the following panels, repeaters and sub-panels:

1) Orion Conventional Panel 2, 4 and 8 zones.
2) Orion Repeater.
3) Junior, 1 loop analogue addressable panel, non-expandable.
4) Mini-Repeater.
5) Juno Net, expandable analogue addressable panel.
6) Juno Net Repeater
7) Sub-Panel.

These interfaces can be used in parallel with other similar modules using other interface technologies such as RS-232, RS-485 and TCP/IP, providing the installer with the tools to interface and create a network of panels, repeaters and sub-panels using mixed data communication technologies, catering for the most demanding applications and networking requirements.

Each panel, repeater and sub-panel will require one of these interface modules. The maximum ring distance is 4 Kms.

Fibre optic cables to be used in conjunction with these modules should be multi-mode 62.5/125um and terminated using the industry standard ST connectors.

Custom made versions of these modules can be produced for connection to GFE's proprietary MPX protocol to connect leds, mimic displays, relays and conventional sounder circuits to GFE's extensive range of conventional and analogue addressable panels. Please consult GFE for further information.

Warning: Disconnect all power sources including primary (electrical mains) and secondary (batteries) supplies, before connecting or disconnecting these interface modules and/or any other internal circuit boards.

SPECIFICATIONS			
SUPPLY VOLTAGE	18-29 V DC (28 V DC nominal)	SOFTWARE COMPATIBILITY	Juno Net, Junior, Juno Net Repeater
CURRENT CONSUMPTION	15 mA		Mini Repeater and Sub-Panels
CONNECTOR TYPE (FO)	ST Connectors		(all software versions)
FIBRE OPTICS CABLE	Multi-mode 62.5/125 um	MAX DATA LOOP LENGTH	4 Kms
HARDWARE COMPATIBILITY	Juno Net, Junior, Juno Net Repeater	DIMENSIONS	135 - 35.6 mm
	Mini Repeater and Sub-Panels	WEIGHT	32 grams
	(all board versions)		

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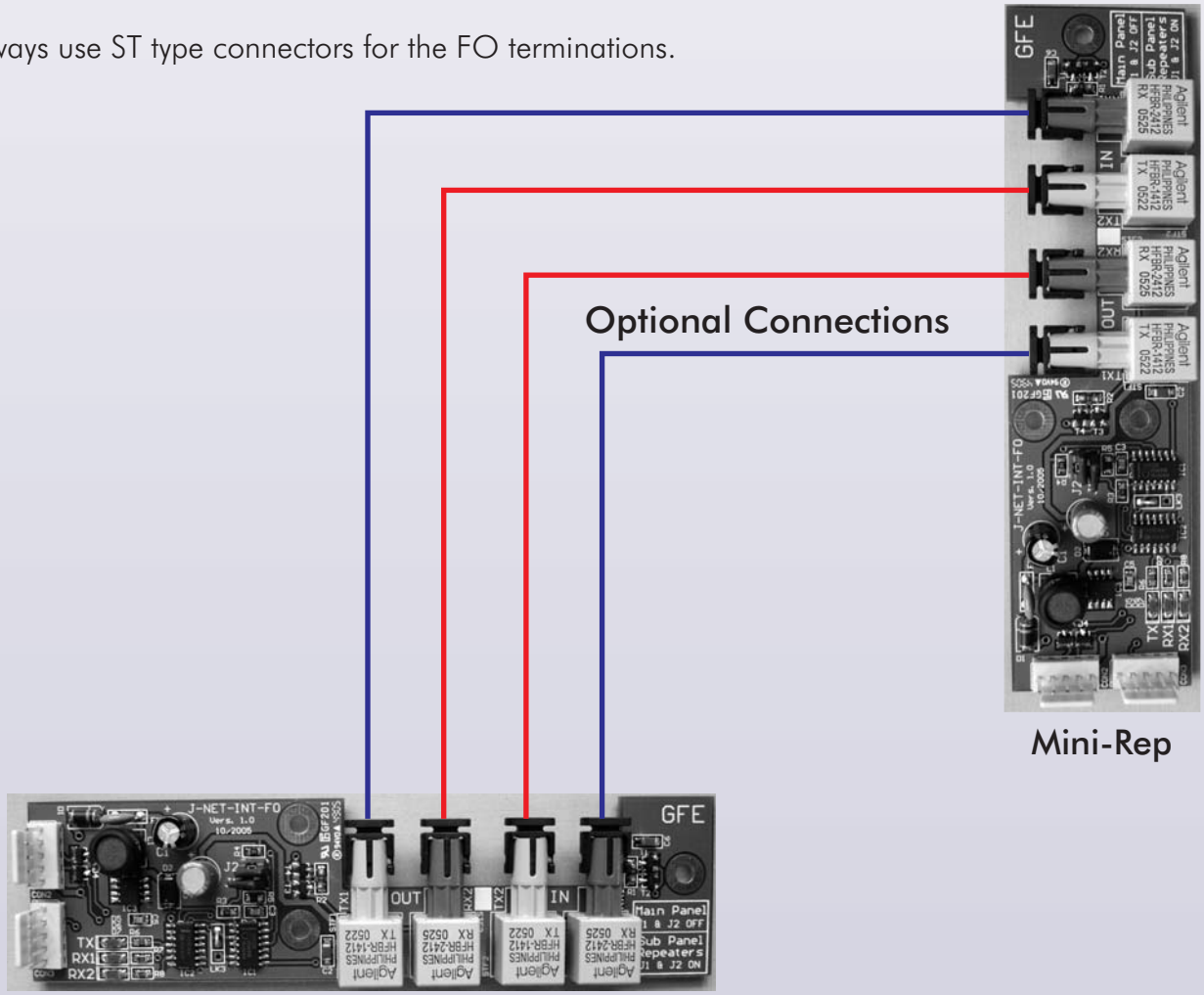
Notes:
On Junior Panel interface JP1 and JP2 should be removed.
On Mini-Rep interface JP1 and JP2 should be ON

Interface CON2 or CON3 should be connected to DATA CON on Junior Version 3 panel and to CON3 or CON4 on Mini-Rep or Junior Version 2 main board.

Always use ST type connectors for the FO terminations.



Mini-Rep

Junior Panel

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