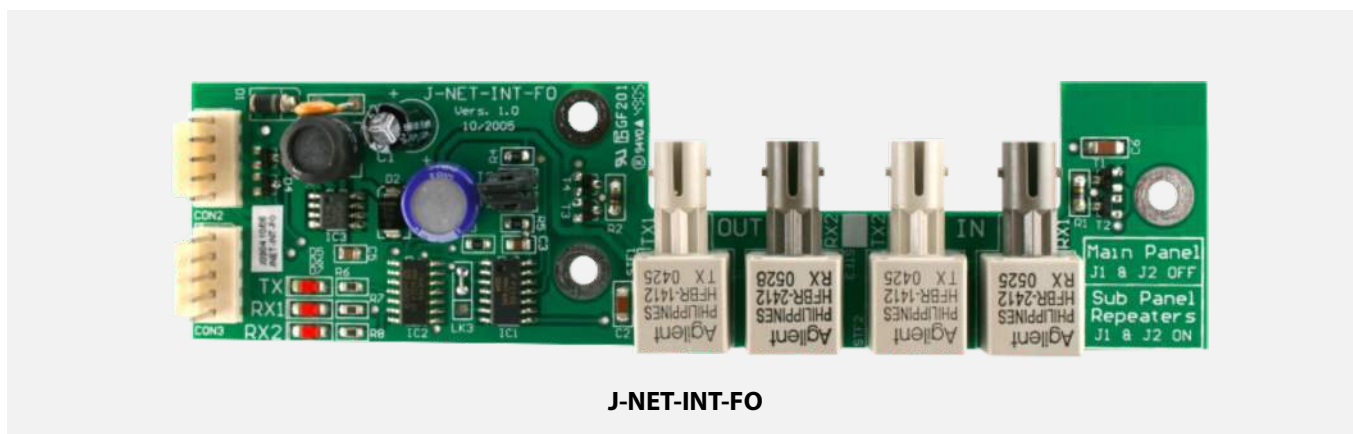




GLOBAL
FIRE EQUIPMENT

J-NET-INT-FO
DATA LOOP FIBRE OPTICS INTERFACE
INSTALLATION MANUAL

Version 2.0 - 01/2016



J-NET-INT-FO

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 subpanels:

- 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 subpanels 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 fiber length between panels is 2500m.

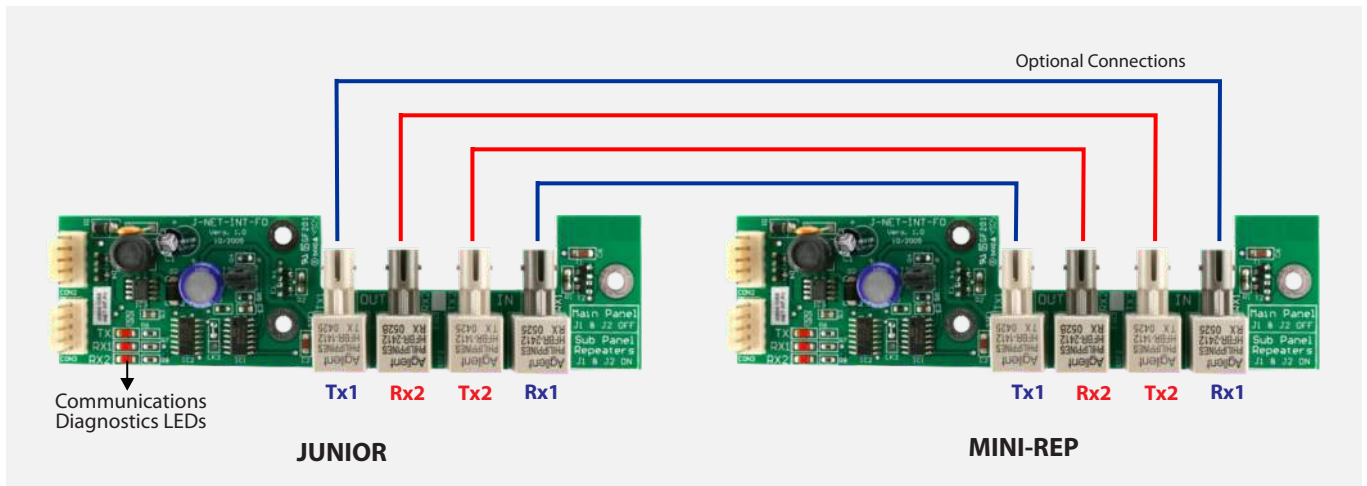
Fibre optic cables to be used in conjunction with these modules should be multimode 62.5/125um and terminated using the industry standard ST connectors.

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.

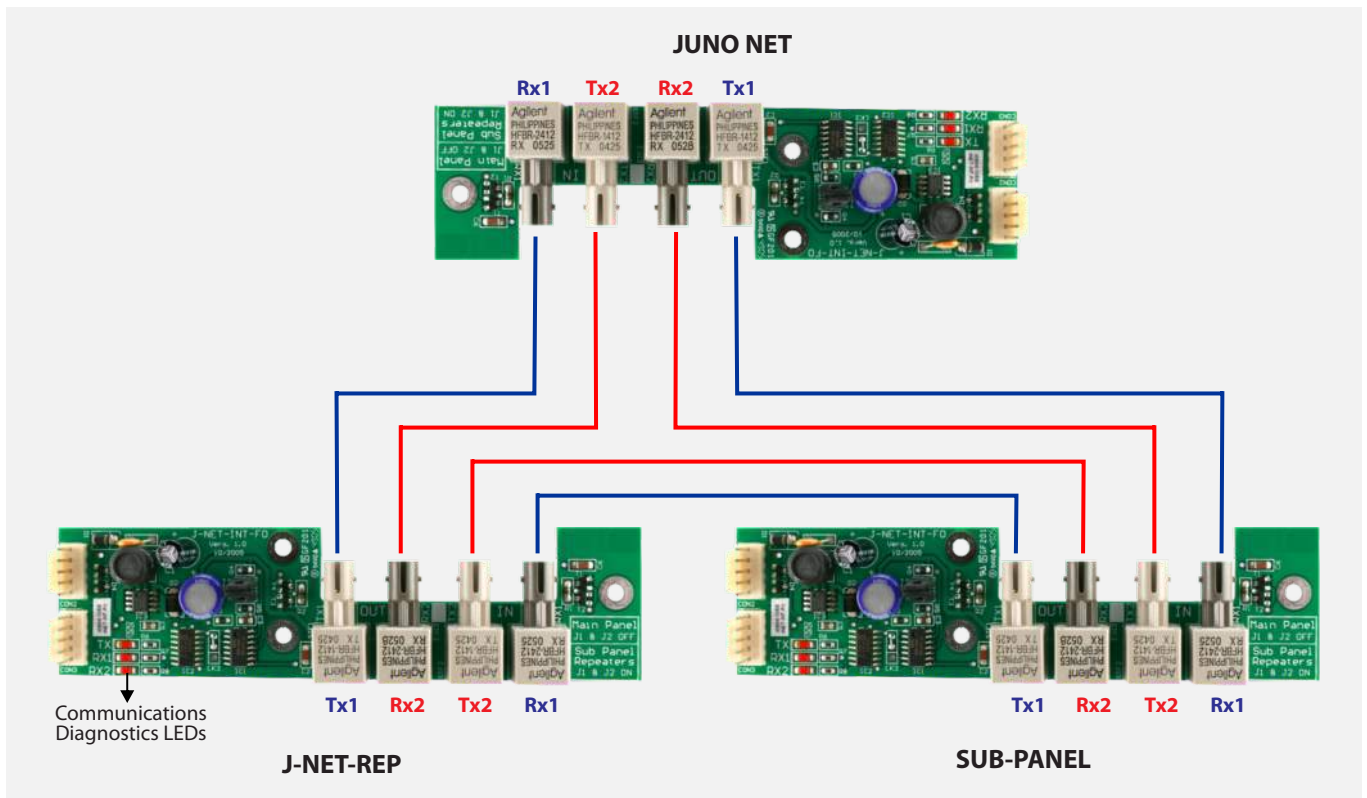
NOTES


- 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.



NOTES

- On Main Panel JP1 and JP2 should be removed.
- On Repeaters and sub-panels JP1 and JP2 should be ON.
- CON2 or CON3 on interface connect to CON 5 on J-NET-CON on Main Panel or Juno Net Repeater.
- CON2 or CON3 connect to CON3 OR CON4 on Mini-Rep or Sub-Panel.





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