



► J-NET-INT-485

RS485 Data Loop Interface

The **J-NET-INT-485** interface module allows **GFE's range of panels** to be interfaced to repeaters and/or sub-panels using a 4-core data communication cable suitable for RS422/RS485 data transmission using a common data communication loop in a ring topology. These units can also use a **double-redundant data communication loop** for extra security and reliability when used in conjunction with a JUNO NET or JUNIOR main panel by creating a **bi-directional communication flow**.

When the JUNO NET is unable to communicate with a repeater or sub-panel due to a cut cable or short circuit, it will try to establish communication via the 2nd loop. A communication fault will be signalled by the JUNO NET main panel when communication is lost with any sub-panels or repeater panel equipped with a loop card. Please note that the Junior panel, in all its versions, can only be interfaced with JUNIOR MINI-REP and JUNIOR-REP.

This interface can be used in parallel with other similar modules using other interface technologies such as Fibre Optics or 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 distance between two nodes is 1.2 Kms including the return path to the main panel.

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.

| TECHNICAL SPECIFICATIONS | J-NET-INT-485 |
|-----------------------------------|---|
| SUPPLY VOLTAGE | 28 V DC nominal - range 17 to 30 V DC |
| SUPPLY CURRENT | 14 mA |
| SOFTWARE & HARDWARE COMPATIBILITY | Juno-Net Panel & Repeater - Sub-Panel Junior Panel V 2,3 and 4, Mini-Rep, Junior Repeaters Orion Conventional Panel (version 1.5) and Orion Repeaters |
| MAX. HUMIDITY | 95% RH Non-Condensing |
| OPERATING TEMPERATURE | -10°C to 50°C |
| DIMENSIONS | 135.0 (L) x 35.5 (W) x 18 (H) mm |
| WEIGHT | 47 g |
| ORDER CODE | DESCRIPTION |
| J-NET-INT-485 | RS422/485 Data Loop Interface |