CHAMELEON-485-DTLOOP
RS422/485 DATA LOOP INTERFACE

The CHAMELEON-485-DTLOOP interface allows GFE's range of addressable main panels to be interfaced to Repeaters, boxed Sub-Panels and/or NODES-SP panels using a 4-core data communication cable suitable for RS-485 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, JUNIOR main panel by creating a bidirectional communication flow. In this case, if the JUNO NET or JUNIOR main panel is unable to communicate with networked panels/repeaters due to a cable cut 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 networked panel equipped with a loop card. Please note that JUNIOR main panels can only be interfaced with Mini-Repeaters.

This interface is used in the fire alarm control panel to provide a communication for the following:

1) A JUNIOR, analogue addressable panel, and its Mini-Repeater(s)

2) A JUNO NET panel and Juno Net Repeater(s), Mini-Repeater(s), Sub-Panel(s) and NODE-SP(s)

This interface is compatible with the following panels:

1) JUNIOR, 1 & 2 Loop analogue addressable main panel

2) Mini-Repeater (JNR MINI-REP)

3) JUNO NET, expandable analogue addressable main panel

4) Juno Net Repeater (J-NET-REP)

5) NODE-SP's & boxed sub-panels (J-NET-SPX)

This interface can be used with other interface technologies such as Fibre Optics and TCP/IP, providing the installer with the tools to interface and create a network of panels using mixed data communication technologies, catering for the most demanding applications and networking requirements.

Each panel, Repeater, Sub-panels and NODE-SP require one of these interface module. The maximum distance between two interfaces is 1.2 Km including the return path to the main panel.

TECHNICAL SPECIFICATIONS	
SUPPLY VOLTAGE	28 V DC nominal - range 17 to 30 V DC
SUPPLY CURRENT	14 mA
SOFTWARE & HARDWARE COMPATIBILITY	JUNO NET Panel & Repeater – boxed Sub-Panel & NODE-SP JUNIOR Panel V2, 3 and 4, Mini-Rep and Junior Repeaters
MAX. HUMIDITY	95% RH Non-Condensing
OPERATING TEMPERATURE	-10ºC to 50ºC
DIMENSIONS	90 (W) x 40 (L) x 20 (H) mm
WEIGHT	33 g
ORDER CODE	
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