



INT-MIX-FO/RS422-P2P

MANUAL 240617

MIXED RS422 AND FIBER OPTIC INTERFACE (FOR CHAMELEON NETWORK)



MADE IN PORTUGAL - EU

GLOBAL FIRE EQUIPMENT S.A.

Sítio da Barracha, Parque Industrial Municipal Caixa Postal 610-A, 8150-017 São Brás de Alportel, Portugal | Tel: +351 289 896 560
Email: info@globalfire-equipment.com | Technical Support: techs@globalfire-equipment.com | www.globalfire-equipment.com

INSTALLATION MANUAL

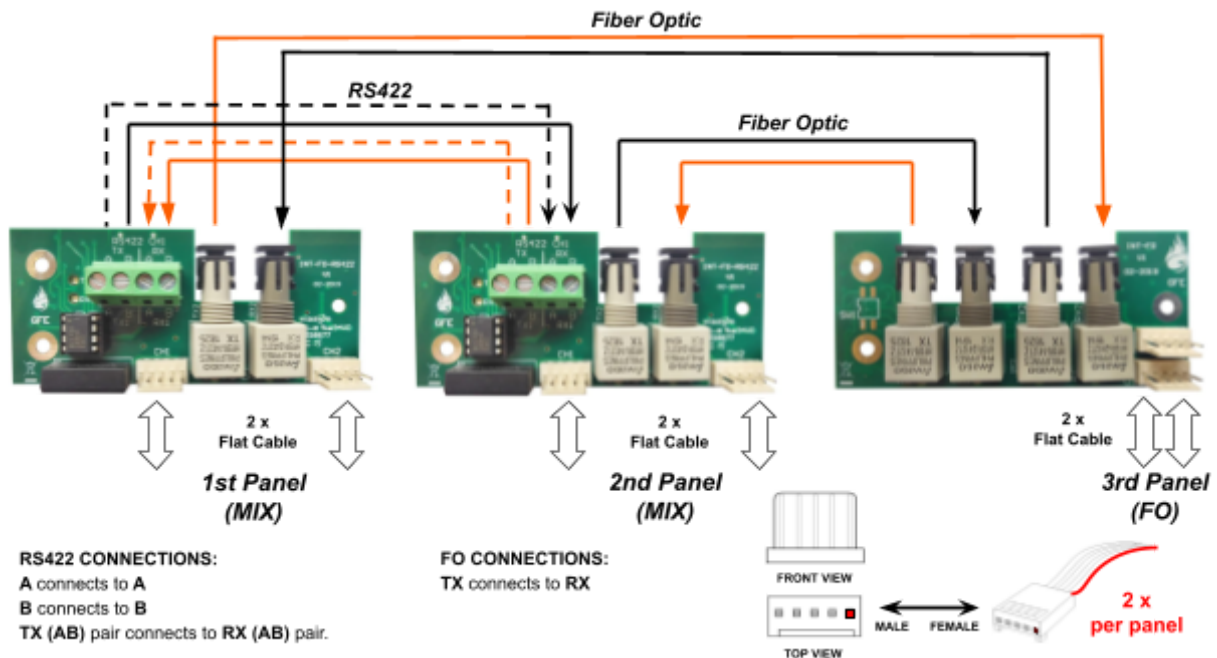
Introduction

The **INT-MIX-FO/RS422-P2P** interface allows to mix both Fiber Optic (FO) and RS422 in the same installation. Making it possible to build a closed loop, “daisy-chained” communication network between GFE's **CHAMELEON Panels** (GEKKO, OCTO+, NODE+ and CHAMELEON REPEATER).

For more detailed information, such as commissioning, network topology options and installation troubleshooting, please refer to the **CHAMELEON Network Manual** or contact our Technical Support team.

The following image shows a wiring connection between 3 panels in a “closed loop” connection network.

- On this example it is shown an example with 2 INT-MIX plus 1 INT-FO interface:



WARNING

Disconnect all power sources including primary (electrical mains) and secondary (batteries) supplies, before connecting or disconnecting interface modules.



WARNING

Electro-static sensitive devices (ESD)
Take suitable ESD precautions when removing or installing printed circuit boards.

TECHNICAL SPECIFICATIONS	
POWER SUPPLY RATING	24V DC (17V to 30V DC)
SUPPLY CURRENT	15 mA
RECOMMENDED CABLE (RS422)	Category 5 cable as defined by the EIA/TIA/ANSI 568 specification (<17 pF/ft @ 100 ohm)
MAXIMUM CABLE DISTANCE (RS422)	1200m per connection
RECOM. CABLE/CONNECTOR (FO)	Multi-mode 62.5/125 µm with ST Connector
MAXIMUM CABLE DISTANCE (FO)	2500m per connection
OPERATING/ STORAGE TEMPERATURE	-10°C to 50°C
HUMIDITY	Max 85% RH Non-Condensing
PROTECTION	IP30
DIMENSIONS	90 (L) x 40 (H) x 20 (W) mm
WEIGHT	33 g
COMPATIBILITY	All CHAMELEON Panels (GEKKO, OCTO+, NODE+, CHAMELEON-REP)