

INS003-P

Passive Dual Port Optic Fibre / RS-485 Medium Converter Optic Fibre Communication Interface

- Commission Modem for Fibre Infrastructure
- For reliable data communication and easy visual system diagnostics to support an improved QoS (Quality of Service) for Life-safety networks



The INS003-P is a full fibre or hybrid copper/fibre modem, developed for use with fire panels in the life safety industry. The equipment is designed to improve the Quality of Service (QoS) of critical communication networks while operating under the performance criteria required by EN54-13 and BS5839 part 1.

FEATURES

- 2.5 kV Galvanic Isolation on all Ports
- Support of single and dual port industrial equipment RS-485 connections
- Simple LED status indication for Fibre and RS-485
- Hot-swappable small form-factor pluggable (SFP) transceivers:
 - Multi-mode and single-mode cable types
 - Fibre Cable lengths up to 160km
 - Supports a range of SFP transceivers to suit
 - Bi-Di SFP transceivers
 - Coarse Wave Division Multiplexing (CWDM) SFP transceivers

- Single modem routes both in and out ports so that only one is required per panel
- Single switch configuration for optic fibre/RS-485 mediums
- Redundant power supply for increased reliability
- Ports B or C with RS-485 transceivers have selectable termination
- Baud rate selectable from 9600 - 115200 bits/sec
- DIN rail mountable

SPECIFICATIONS

DIMENSIONS

Dimensions:	115 X 105 X 58 mm
Weight:	200g
Mounting:	DIN Rail EN60715 (width 35 mm)

POWER

Operating voltage:	18 - 36V (24V DC nominal)
Rated current:	250mA (at 24V)

INTERFACES

RS-485:	Port A1 - Selectable Fixed Termination, in accordance with EIA RS-485 Port A2 - Selectable Fixed Termination: B or C, in accordance with EIA RS-485
Optic Fibre /RS-485:	Port B - Fibre Optic, SFP Connector (Specification as per selected SFP transceiver) Port C [INS003] - Fibre Optic, SFP Connector (Specification as per selected SFP transceiver) Port C [INS003C] - Selectable Fixed Termination, in accordance with EIA RS-485 Port A1, A2 (& Port C - FC model) - Isolated (2.5kV) Baud Rate - 9600 to 115200 (selectable / configurable)
USB:	USB Micro-B connection (Device/Slave Mode)

TEMPERATURE

Operating:	-10 to 50°C
Storage:	-40 to 70°C

AGENCY APPROVALS AND STANDARDS

CE, UKCA, RoHs, WEEE compliant
EMC: EN 61000-6-2
EMC: EN 61000-6-4
Safety: EN 60950