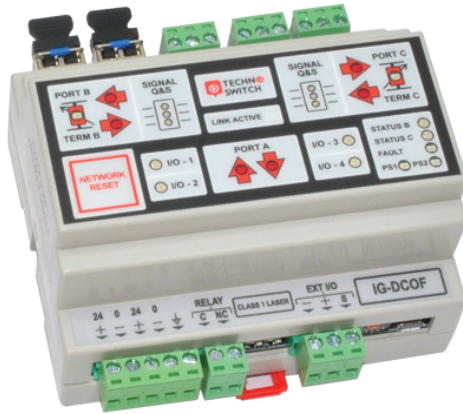




FIBRE OPTIC CONVERTER DUAL CHANNEL FIBRE OPTIC CONVERTER



**DUAL CHANNEL
FIBRE OPTIC CONVERTER**

DESCRIPTION

The Dual Channel Fibre Optic Converter ensures reliable data communication and easy system diagnostics to support an improved QoS (Quality of Service) for Life Safety networks.

The IG-DCOF-P Node for both Radial and Ring Topology Networks facilitates dynamic network management. The equipment is designed to improve the QoS of critical communication networks while operating under the performance criteria required by EN54-13 and BS5839 part 1.

The converter provides a seamless optic fibre conversion option of RS485 networks, with the added feature to diagnose the fibre optic cables and RS485 data.

The IG-DCOF-P can function in the DNP (Passive) and DNA (Active) mode. The Passive mode is Plug-and-Play, whereas the Active mode supports the feature of intelligent monitoring through recording information used to commission, diagnose, and qualify the network bus. The product can be purchased as a Passive mode product and if required, upgraded to support Active mode by purchasing a license activated through the USB port on the module.

The converter supports the use of a range of transceivers without the need to use the same specification transceiver on port B and C, allowing for the option of Multi-mode on one port and Single-mode on the other. This feature supports full optimisation of transceiver selection as required to support a range of different fibres across the network.

FEATURES

- Independent reporting with Class A communication redundancy with multiple fault tolerance
- 2.5 kV Galvanic isolation on all ports
- Support of single and dual port industrial equipment RS485 connections
- Simple LED status indication for fibre and RS485
- Visual interface provided by IVIEW, the user interface with monitoring, diagnostics and reporting options
- Enables preventative maintenance management through system degradation monitoring
- Configuration and commissioning parameters are stored allowing for system performance tracking over time
- Ports B or C with RS485 transceivers have adjustable termination to correctly match the loop cabling segment
- DIN rail mountable
- Support for a range of SFP transceivers to suit
- Single-mode & Multi-mode
- 1,25 Gbps data rates
- 1310 FP laser transmitter
- Class 1 FDA and IEC 60825-1 laser safety compliant
- Built-in digital diagnostic functions, including optical power monitoring
- Hot-pluggable SFP footprint duplex LC connector interface

APPROVALS

- CE
- RoHS
- WEEE compliant
- EN61000-6-2
- EN61000-6-4
- EN60950





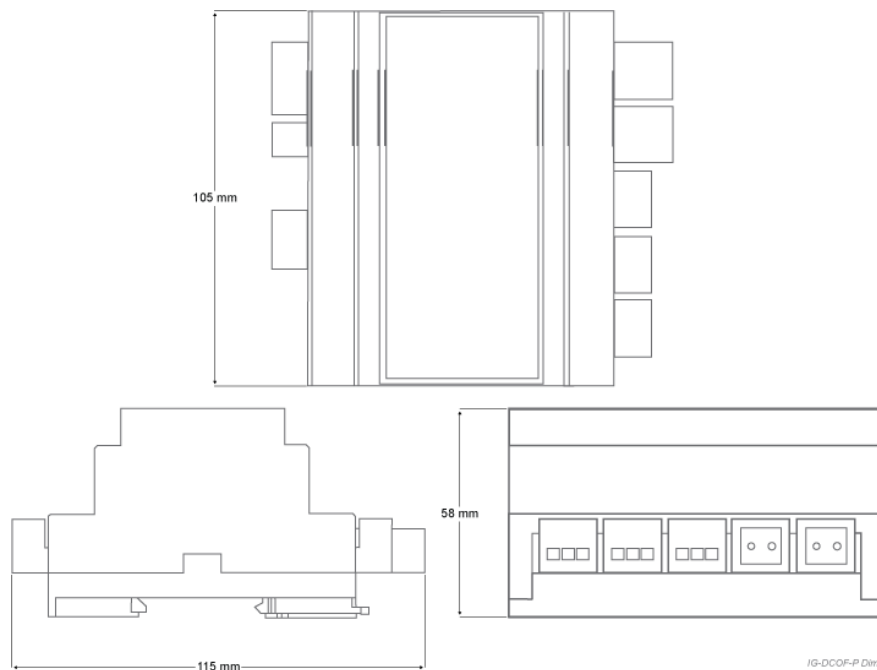
FIBRE OPTIC CONVERTER

DUAL CHANNEL FIBRE OPTIC CONVERTER

SPECIFICATIONS

Dimensions	115 x 105 x 58 mm
Weight	200 g
Mounting	DIN Rail EN60715
Width	35 mm
Operating Voltages	18 V – 36 V (24VDC Nominal)
Rated Current	250 mA (at 24V)
Operating Temperature	-10 °C to 50 °C
Storage Temperature	-40 °C to 70 °C

DIMENSIONS



ORDERING INFORMATION

Product Code

IG-DCOF-P
IG-TRX-MM550M01
IG-TRX-MM02K01
IG-TRX-SM20K1
IG-DCOF-UPL
IG-IVIEW-AL IVIEW
IG-IVIEW-PL IVIEW

Product Description

Dual Channel Fibre Optic Converter
Multi-mode Transceiver for up to 550 m (1 per channel)
Multi-mode Transceiver for up to 2 km (1 per Channel)
Single-mode Transceiver for up to 20 km (1 per channel)
Firmware Upgrade Licence for IG-DCOF-P (required to use IVIEW diagnostics)
Annual Licence for Fibre Optic Commissioning & Maintenance Tool
Site Restricted Perpetual Licence

• **DISCLAIMER:** Although the contents of our product literature have been prepared with the greatest care, Technoswitch can accept no liability whatsoever for any direct or indirect damages of any kind that may arise due to either errors or omissions in them, or amendments to products or other specifications following publication.

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