Contact Closure Systems

FiberPlex FOI-2990 Fiber Optic Isolator/Converter/Modem - contact closures; mission critical packaging

FiberPlex

Packed in rugged military style metal enclosures, the FOI-2990 Series extends and isolates Control Signal and Relay Contacts over fiber.

Overview

The FOI-2990 series provide electrical isolation and extension of control signals and relay closures. Multimode optics on the units can extend the distance to 2km. The units can be used in areas of high electrical noise or in and out of RF shielded enclosures. The fiber optic cable is not susceptible to interference caused by impulse noise, crosstalk, or EMI.

The units are uni-directional. The FOI-2991 and FOI-2992 can accept up to 12 individual control signals. The FOI-2991 and FOI-2992 are optical transmitters, while the others are optical receivers. Both the FOI-2991 and FOI-2992 can accept up to 12 individual control signals. The FOI-2991 can only accept a DC voltage of 0 to +5V, while the FOI-2992 can accept either a DC or AC voltage of +12 to +24V. The FOI-2993 has 12 SPST Form A relays, and the FOI-2994 has 8 SPDT Form C relays. The FOI-2993 and FOI-2994 are latching and the FOI-2995 and FOI-2996 are non-latching.
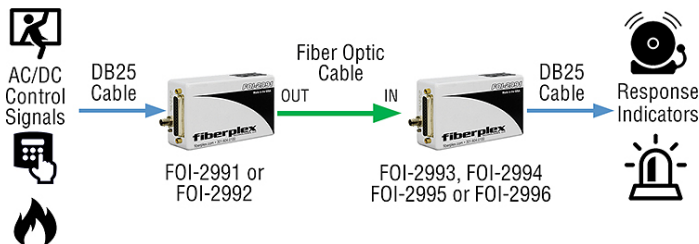
During power interruptions or failures, the relays on the FOI-2993 and FOI-2994 will hold the last commanded state until powered is restored and the relays are commanded differently, while the FOI-2995 and FOI-2996 will revert to the open state.

Applications

A typical link consists of either an FOI-2991 or an FOI-2992 at one end of the network transmitting optical signals to an FOI-2993 or an FOI-2994 at the other end of the network with a single fiber optic cable between.

Features

- Isolation and extension of Control Signals over Fiber
- Rugged Military style enclosure with standalone and various rack and mounting options
- Rugged metal enclosures with RFI shielding

Specifications

The specifications for this product are contained in the User Manual

Ordering

#	Model #	Description	Availability
1	FOI-2991-ST	Isolator for control signal input, 12 circuit, contact closure inputs, Multimode ST optics (TX only), Power Options Sold Separately	General Availability
		⊞ Accessories	
2	FOI-2992-ST	Isolator for control signal input, 12 circuit 12-24 volts AC/DC inputs,, Multimode ST optics (TX only), Power Options Sold Separately	Special Order
		⊞ Accessories	
3	FOI-2994-ST	Isolator for control signal output, 8 circuit, latching relay form C contacts, Multimode ST optics (RX only), Power Options Sold Separately	Special Order
		⊞ Accessories	
4	FOI-2994-Z-ST	Isolator for control signal output, 8 circuit, latching relay form C contacts (channel 8 does not latch), multimode ST optics (RX only), Power Options Sold Separately	Special Order
		⊞ Accessories	

Item Number	Item Description	Price
SVC-SmartCare-BH (/support/support.asp)	Premium Support for Business Hours	Contact us (/howtobuy/) for availability and pricing.
SVC-SmartCare-24/7 (/support/support.asp)	Premium Support, 24 x 7 Coverage	Contact us (/howtobuy/) for availability and pricing.
SVC-SmartAssist-BH (/support/support-professional.asp)	Business Hour Support Services	Contact us (/howtobuy/) for availability and pricing.
SVC-SmartAssist-AH (/support/support-professional.asp)	After Hours Support Services	Contact us (/howtobuy/) for availability and pricing.
SVC-ENHWAR1 (/support/support-warranty.asp)	1 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-ENHWAR2 (/support/support-warranty.asp)	2 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-ENHWAR3 (/support/support-warranty.asp)	3 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-ENHWAR4 (/support/support-warranty.asp)	4 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-ENHWAR5 (/support/support-warranty.asp)	5 Year Enhanced Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-EXTWAR2 (/support/support-warranty.asp)	2 Year Extended Warranty	Contact us (/howtobuy/) for availability and pricing.

SVC-EXTWAR3 (/support/support-warranty.asp)	3 Year Extended Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-EXTWAR4 (/support/support-warranty.asp)	4 Year Extended Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-EXTWAR5 (/support/support-warranty.asp)	5 Year Extended Warranty	Contact us (/howtobuy/) for availability and pricing.
SVC-NETENG-HOUR (/support/support-professional.asp)	Network technician hour rate for pre-config services, after hours support, etc.	Contact us (/howtobuy/) for availability and pricing.

Backgrounders

FiberPlex Capabilities Guide (/backgrounders/FiberPlex_Capabilities_Statement.pdf)	October 6, 2017

Data Sheets

FiberPlex PSQ X909 (/datasheet/Fiberplex_PSQ-X909_150724.pdf)	July 24, 2015
Patton Product Life Cycle Color Codes (/datasheet/Life-Cycle-Availability-Codes.pdf)	April 24, 2015
FiberPlex CMA 2001/3002 (/datasheet/Fiberplex_CMA-2001-3002_150408.pdf)	April 8, 2015
FiberPlex PSQ X910 (/datasheet/Fiberplex_PSQ-x910_130601.pdf)	June 1, 2013
FiberPlex PSQ X920 (/datasheet/Fiberplex_PSQ-x920_130601.pdf)	June 1, 2013
FiberPlex RMC 2101 (/datasheet/Fiberplex_RMC-2101_120101.pdf)	January 1, 2012
FiberPlex RMC 3101 (/datasheet/Fiberplex_RMC-3101_120101.pdf)	January 1, 2012
FiberPlex RMC 5000 (/datasheet/Fiberplex_RMC-5000_120101.pdf)	January 1, 2012

Product & Solution Guides

FiberPlex Connectivity Product Guide (/guides/07FPC-OV_lo-res.pdf)	August 24, 2018
Enterprise Networking Products Guide (/guides/07MENTNET-PG-lo.pdf)	November 10, 2010

User Manuals & Configuration Guides

FiberPlex Stand Alone Power Supply PSQ-4912-K User Manual (/manuals/PSQ-4912_User_Manual_170113.pdf)	January 13, 2017
FiberPlex Stand Alone Power Supply PSQ-2909/PSQ-3909/PSQ-4909 PSQ-2920/PSQ-3920/PSQ-4920 User Manual (/manuals/PSQ-X909_X920_User_Manual_150724.pdf)	July 24, 2015
FiberPlex Chassis Mount Adapter CMA-2001/CMA-3002 User Manual (/manuals/CMA_User_Manual_150717.pdf)	July 17, 2015
FiberPlex Rack Mount Chassis RMC/2101/RMC-3101/RMC-3102 User Manual (/manuals/RMC-3101_2101_Manual_150303.pdf)	March 5, 2015

Company (/company/)

> Contact Us (/company/contact-us.asp)
> About Patton (/company/about.asp)
> Jobs (/company/careers/)
> Capabilities (/products/special/services.asp)
> Quality & Responsibility (/company/environment/)
> Legal (/legal/)
News & Events
> Press Room/Releases (/press/)
> Training & Events (/training/)
> Library/Downloads (/resources/)

Partners & Resources (/partners/)

> Partner Programs (/partners/)
> Resources (/resources/)
> Blog (https://blog.patton.com)

Products
(/products/)

Unified Communications
> VoIP Gateways (/voip-gateway/#products)
> VoIP Routers (/voip-router/#products)
> VoIP IADs (/voip-iad/#products)
> SIP eSBCs (/session-border-controller/#products)
> VoIP Appliances (/ip-pbx/#products)
> SS7 Media Gateways (/ss7-gateway/#products)

Software and Cloud
> Virtual SBC (/virtual-sbc/#products)
> Virtual Access Router (/virtual-access-router/#products)
> VPN Server (/vpn-server/#products)
> IPv6 to IPv4 Network Gateway (/network-gateway/#products)
> Intelligent Edge Orchestration (/intelligent-edge-orchestration/#products)
> NFV & SDN (/nfv/#products)

Network Access
> Ethernet Extenders (/ethernet-extender/#products)
> PoE Products (/poe/#products)
> xDSL Products (/xdsl/#products)
> Routers (/router/#products)
> Dial-Up Access (/dial-up/#products)

Industrial
> Industrial Ethernet
> Unmanaged Industrial Ethernet Switch
> Managed Industrial Ethernet Switch
> PoE Industrial Switch

Sunset Products (/products/sunset-products.asp)

Connectivity
> Line Drivers / Short Range Modems (/products/network-connectivity/#11)
> Fiber Serial DataCom (RS-232/422/530/188C) (/products/network-connectivity/#27)
> Ethernet Over Fiber (/products/network-connectivity/#23)
> Multiplexers & Sharing Devices (/products/network-connectivity/#12)
> Fiber Telecom (T1/E1/PRI, Analog and ISDN) (/products/network-connectivity/#28)
> Pro AV Live and Media Broadcast Fiber Systems (/products/network-connectivity/#29)
> SFP (Small Form Pluggable) Modules and Kits (/products/network-connectivity/#30)
> Fiber Alarming, Notification, Relay and Control (/products/network-connectivity/#24)
> Other Network Extenders (/products/network-connectivity/#13)
> Defense/Security Fiber Communications (/products/network-connectivity/#22)
> Baluns (/products/network-connectivity/#3)
> Surge Protectors & Opto-Isolators (/products/network-connectivity/#15)
> DataTaps, Testers, Adapters, Rack Kits (/products/network-connectivity/#7)
> Interface Converters (/products/network-connectivity/#10)
> Fiber Rack and Enclosure Systems (/products/network-connectivity/#25)
> Fiber Repeaters and Wavelength Division Multiplexers (WDM) (/products/network-connectivity/#26)
> Waveguide RF Filters (/products/network-connectivity/#31)

Support & Services (/support/)
> Support Home (/support/)
> Support Portal (/support/#portal)
> Premium Support (/support/support.asp)
> Software Upgrades (/support/upgrades/)
> Warranty Services (/support/support-warranty.asp)
> Returns & RMAs (/returns/)
> Manuals (/manuals/)

Special Projects Group (SPG) (/products/special)
> SPG Home (/products/special/)
> Services & Capabilities (/products/special/services.asp)
> Projects (/products/special/projects.asp)
> Facilities (/products/special/facilities.asp)

Need Help?

Select your country ⌄

Sales: sales@patton.com (mailto:sales@patton.com) / +1 301 975 1000
Support: support@patton.com (mailto:support@patton.com) / +1 301 975 1007

Have Us Contact You

sue.chu@icomtechinc.com   or   Phone Number

Submit

Join Our Email List

sue.chu@icomtechinc.com

Subscribe

Connect With Us

(https://twitter.com/pattonconnect)   (https://www.linkedin.com/companies/patton electronics)

| Sitemap (/company/sitemap.asp) | Legal (/legal/) | Privacy Policy (/legal/privacy.asp) | Disclaimer (/legal/terms-conditions.asp) |
(https://twitter.com/pattonconnect)
(https://www.facebook.com/PattonElectronics)
(https://www.youtube.com/user/pattonelectronicsco)
(https://www.linkedin.com/companies/patton-electronics)   (/news.rss)