4 Channel Contact Closure SFP DIN Fiber Link System

SFP OPTICS, COMPACT, RUGGED

The system provides transmission of four (4) independent input signals over fiber optic cable. Applications include alarm event triggering, building automation, environmental control systems, fire & alarm systems, gate control, traffic signal control equipment, and more.

Fiber optic cable is immune to RF noise, EMI, high voltages, and may extend the signal up to 100km. A complete system requires a Transmitter and Receiver, a 24-48VDC power source, and a compatible SFP transceiver for the fiber interface.

Each unit features a wide operating temperature, redundant power terminals, and a system alarm contact for monitoring the unit for proper operation. LED indicators provide a convenient view of the systems current status. This hardened system can be wall or DIN rail mounted with the included DIN clip and wall mount ears, is made in the USA, and backed by our limited lifetime warranty.

4 Channel Contact Closure SFP System

Key Features

Environment
Hardened to operate in -40°F to +158°F (-40°C to +70°C)
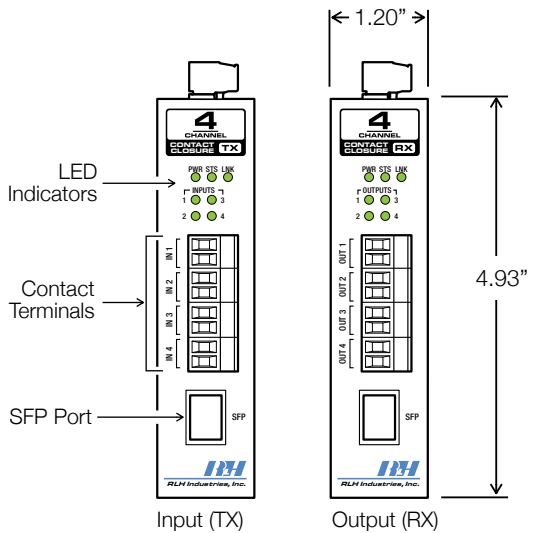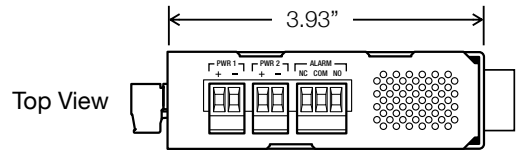Compact (T35) DIN rail or wall mount with included kit

Power
24-48DC local power source for each unit
Redundant power inputs with polarity reversal protection, 1.5kV isolation

Application
SFP transceiver interface
Each output relay is rated for 60 Watts. (Available with NO or NC relays)
TX unit is available with dry contact sensors or digital inputs
Each Input is optically isolated, 3.5kV
Both sides include alarm contacts for status monitoring
Convenient LED status indicators
Pluggable terminal blocks
Critical, high voltage, remote or un-manned locations operating 24/7/365

Top View

LED Indicators

Contact Terminals

SFP Port

Input (TX)   Output (RX)

Front View

Dimensional Information

Ordering Information

Each 4 Channel Contact Closure DIN Fiber Link unit is identified with a part number.

Description	Relay Setting	Part Number
4 Channel Contact Closure Input Contact - Transmitter	DRY	**4CD-TX-DR-3**
	WET (5~12VDC)	**4CD-TX-12-3**
	WET (24~48VDC)	**4CD-TX-48-3**
4 Channel Contact Closure Output Contact - Receiver	Normally Open	**4CD-RX-NO-3**
	Normally Closed	**4CD-RX-NC-3**

▶ A complete system requires a pair of units. One (1) **Transmitter** unit and one (1) **Receiver** unit.
▶ SFP Transceivers are sold separately. A list of compatible RLH Certified SFP's can be found at www.fiberoptclink.com
▶ Add **-A** to the end of the part number for 125 VDC input power option.
▶ Add **-B** to the end of the part number for 12 VDC input power option.
▶ Please contact your RLH sales representative for questions, pricing, and delivery information

General Specifications

Fiber Connector Type	SFP Transceiver		
Compatibility	RLH 155 Mbps SFPs *RLH Devices are MSA compliant and should work with most MSA Compliant SFP's*		
LED	PWR, STS, LNK, and Inputs 1~4 (TX) or Outputs 1~4 (RX)		
Power Input	24-48VDC (22~56V) Polarity Insensitive		
	-A 125VDC (46~150V)		
	-B 12VDC (11~30V)		
	Dual redundant power inputs		
Power Consumption	6 Watts Max.		
Wire Connectors	Screw down terminal block, 16~26AWG		
Inputs 1~4	**Dry** (0-100 ohms)		
	Wet (5~12VDC / 5mA)	Optical isolation 3.5kV	
	Wet (24~48VDC / 5mA)		
Outputs 1~4	Relay Contacts		
Output Relay Contacts Maximum Rating	115VAC	1.087A	125VA
	12VDC	3.000A	36 Watts
	24VDC	2.500A	60 Watts
	48VDC	1.250A	60 Watts
	130VDC	0.462A	60 Watts
	250VDC	0.240A	60 Watts
System Alarm Output	Normally Open / Closed Relay		
Relay Response Time	5ms typical, 10ms maximum		
Surge Protection	Varistors, Automatic resettable fuses		
DC Input Isolation	1.5kV		
Construction	Powder coated steel and aluminum alloy		
Temperature	Operating -40℃ ~ 70℃ (-40℉ ~ 158℉)		
Humidity	95%		
MTBF	175,000 Hrs.		
Dimensions	H 4.93" x W 1.2" x D 3.93" (not including DIN clip or pluggable connectors)		
Weight	1.0lbs (0.47kg)		
Mounting	Standard T35 DIN rail or wall mounted with included ears		
Warranty	Limited Lifetime *Visit* www.fiberopticlink.com *for warranty details*		