



RLH Industries, Inc.

DATA SHEET

The leader in rugged fiber optic technology.

DS-070 2024A-0808

8 Channel Contact Closure DIN Fiber Link System

SFP OPTICS, COMPACT, RUGGED

The system provides transmission of eight (8) 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, high voltages, and extends the signal transmission range up to 100km. A complete system requires two (2) units a 24-48VDC power source on each end, and two (2) matching SFP transceivers.

The Contact Input (TX) is configured with input terminals and the Contact Output (RX) has output relays. Each unit features a NC/NO alarm contact for system monitoring and convenient LED indicators to view system status. This hardened, rugged system is designed for standard T35 DIN rail mount applications, and is covered by our Limited Lifetime Warranty.

Key Features

Environment

Hardened to operate in -40°F to +158°F (-40°C to +70°C)
Compact DIN (T35) rail mount enclosure

Power

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

Application

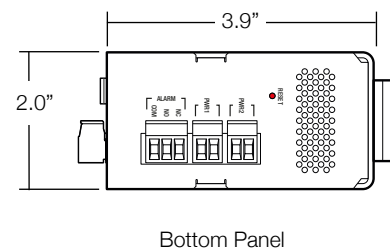
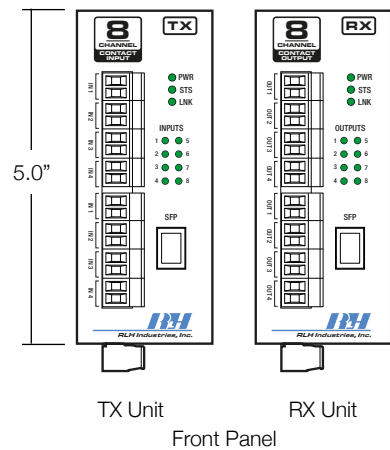
- SFP transceiver interface
- Each output relay is rated for 60 Watts. (Available with NO or NC relays)
- TX unit is available with dry contact sensors or digital inputs
- Each Input is optically isolated, 3.5kV
- Both sides include alarm contacts for status monitoring
- Convenient LED status indicators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

Quality

Made in the USA and covered by our **Limited Lifetime Warranty**



8 Channel Contact Closure System w/SFP



Dimensional Information

Ordering Information

Each 8 Channel Contact Closure DIN Fiber Link unit is identified with a part number.

Description	Relay Setting	Part Number
8 Channel Contact Closure Input Contact - TX Unit	DRY	8CD-TX-DR-2
	WET (12~24VDC)	8CD-TX-24-2
	WET (24~48VDC)	8CD-TX-48-2
8 Channel Contact Closure Output Contact - RX Unit	Normally Open	8CD-RX-NO-2
	Normally Closed	8CD-RX-NC-2

- ▶ A complete system requires a pair of units. One (1) **TX** unit and one (1) **RX** unit.
- ▶ SFP Transceivers are sold separately. A list of compatible RLH Certified SFP's can be found at www.fiberoptclink.com
- ▶ Please contact your RLH sales representative for questions, pricing, and delivery information

General Specifications

Fiber Connector Type	SFP Transceiver		
Compatibility	RLH Certified 155Mbps SFP's		
LED	PWR, STS, LNK, and Inputs 1~8 (TX) or Outputs 1~8 (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 1~8	Dry (0-100 ohms) Wet (12~24VDC / 5mA) Optical isolation 3.5kV Wet (24~48VDC / 5mA)		
Outputs 1~8	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		
Mounting Style	Standard DIN rail (TS-35) mount		
Temperature	Operating -40°C ~ 70°C (-40°F ~ 158°F)		
Humidity	95%		
Dimensions/Mounting	H 4.93" x W 2.0" x D 3.93" (not including DIN clip or pluggable connectors) Standard T-35 DIN rail mounting		
Weight	1.4 lbs (0.63kg)		
Warranty	Limited Lifetime <i>Visit www.fiberoptclink.com for warranty details</i>		