

## 4 Channel Contact Closure Fiber Link Card System

The 4 Channel Contact Closure Fiber Link system provides a transmission of up to four independent contact closure signals over one optical fiber. A complete system requires 2 cards, a transmitter card and a receiver card.

This hardened, rugged system is designed to be installed into any of the RLH card shelf housings and is covered by our Limited Lifetime Warranty.



4 Channel Contact Closure System

### Key Features

#### Environment

Hardened to operate in  $-40^{\circ}\text{F}$  to  $+158^{\circ}\text{F}$  ( $-40^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ )

#### Power

24–56VDC local power source for each card

DC power is not polarity sensitive

#### Application

Available with ST connectors for single or multi-mode fiber

RX side includes alarm contact for status monitoring

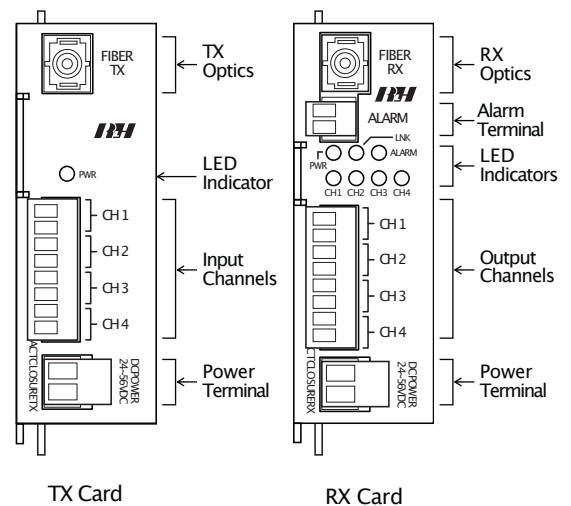
Convenient LED status indicators

Critical, high voltage, remote or un-manned locations operating 24/7/365

#### Quality

Made in the USA

Covered by our Limited Lifetime Warranty



Front Panel Features

## Ordering Information

Each 4 Channel Contact Closure Card is identified with a part number on the card.

Optics	Fiber	Distance	Description	Part Number
Multimode ST	62.5µm	2km / 1.2 mi.	TX Card	<b>4C4-M2STT-02</b>
			RX Card	<b>4C4-M2STR-02</b>
Single-mode ST	8~9 µm	15km / 9mi.	TX Card	<b>4C4-S3STT-02</b>
			RX Card	<b>4C4-S3STR-02</b>

- ▶ A complete system requires 1 TX unit and 1 RX unit
- ▶ Please contact your RLH sales representative for pricing and delivery information

## General Specifications

<b>Transmission method</b>	Amplitude modulated light via two optical fibers
	Multimode: 850nm
	Single-mode: 1310nm
<b>Maximum Fiber Attenuation /Distance *</b>	Multimode: 6dB / 1.2 miles (2km)
	Single-mode: 8dB / 9 miles (15km)
	*Note: Distances equated using industry standard fiber and connector attenuation of 3dB/Km. Fiber condition, splices and connectors may affect actual range.
<b>Fiber Type</b>	ST connectors
	Multimode: 62.5/125µm
	Single-mode: 8-9/125µm
<b>Wire Connector</b>	Screw clamp terminal block, 16 ~ 26 AWG
<b>Input 1-4 (TX Card)</b>	Dry contact closure relay
<b>Output 1-4 (RX Card)</b>	Normally Open Relay
<b>Alarm Output (RX Card)</b>	Normally Open/Closed Relay
<b>Relay Maximum Rating</b>	115VAC 0.6A, 110VDC 0.6A, 30VDC 2A
<b>Response Time</b>	10ms
<b>Surge Protection</b>	PTC thermistors, zener diodes and varistors
<b>Power Requirements</b>	TX Card: 24-56VDC, 15mA minimum
	RX Card: 24-56VDC, 65mA minimum
<b>Powering Method</b>	Local DC power source
<b>Operating Temperature</b>	-40° to +158° F (-40° to +70° C), 95% non-condensing
<b>Dimensions</b>	Standard RLH Fiber Link Card, L7" x W4"x H1.24"
<b>Warranty</b>	Limited Lifetime <i>Visit <a href="http://www.fiberopticlink.com">www.fiberopticlink.com</a> for warranty details</i>