

# FIBER OPTIC 1Ch Contact Closure Link

## PRODUCT SPECIFICATION EL – R2202 T/RX SERIES



### RELAY



FCC



### DESCRIPTION

본 Contacts System 의 단방향 데이터( N.O or N.C) 1채널을 광케이블 1core로 전송하는 장비이다.

송, 수신부에서는 접점 입출력 표시용 LED가 부착 되어 별도의 장비 없이 시각적으로 데이터, 접점 통신여부를 확인 할 수 있다.

### APPLICATION

- .CCTV, ITV and traffic control System
- .CATV System
- .Security System
- .Process control and monitoring System

### FEATURES

- 고품질의 접점 전송
- 광통신의 광학적 특성을 이용한 장거리 무 중계 전송  
(최대 전송가능거리 60Km)
- AC 110V / 220V 겸용
- 전자파, 벤처기업, 이노비즈, GS 인증, CE인증

### ORDERING INFORMATION

|                        | PART<br>NUMBER | DESCRIPTION                     | OPTICAL<br>PWR BUDGET | MAX<br>DISTANCE<br>(Option) |
|------------------------|----------------|---------------------------------|-----------------------|-----------------------------|
| SINGLE-MODE<br>9/125um | EL-R2202 TX    | 1ch Contact Closure Transmitter | 7dB                   | 20Km                        |
|                        | EL-R2202 RX    | 1ch Contact Closure Receiver    |                       |                             |
|                        | EL-R2402 TX    | 1ch Contact Closure Transmitter | 14dB                  | 40Km                        |
|                        | EL-R2402 RX    | 1ch Contact Closure Receiver    |                       |                             |
|                        | EL-R2602 TX    | 1ch Contact Closure Transmitter | 20dB                  | 60Km                        |
|                        | EL-R2602 RX    | 1ch Contact Closure Receiver    |                       |                             |

# DIGITAL 1Ch Contact Closure LINK

EL -R2202 TX / RX SERIES

## SPECIFICATIONS

### RELAY

Contact Interface: Response Time: 0.5 msec  
Input : Dry Contact closure  
Output : SPST Relay, 0.5A Contact rating  
N.O or N.C  
Operating Mode: Simplex

**WAVELENGTH** 1310/1550nm

**OPTICAL EMITTER** Laser Diode

**NUMBER OF FIBER** 1Core

### LED INDICATORS

.Relay Transmitted Data  
. Relay Received Data

### CONNECTORS

Relay: RJ-45  
Optical: SC Connector

### ELECTRICAL & MECHANICAL

Power: 12 VDC @ 1.2A  
Surface Mount: From Rack  
Number of Rack Slots: 12  
Power Consumption : 1 card ( 0.3A)  
Current Protection: Automatic Resettable Solid-State  
Current limiters

### Size( WxHxD )

Module Type 87 x 32 x 113mm  
3u Card Type 25 x 129 x 168mm  
1u Rack Mount 483 x 44 x 300mm  
3u Rack Mount: 483 x 132 x 275mm

### ENVIRONMENTAL

MTBF: > 100,000 hours  
Operating Temp: -20°C to +70°C  
Storage Temp: -25°C to +80°C  
Relative Humidity: 5% to 90% (non-condensing)

## SYSTEM DESIGN

