

4 Channel Contact Closure Fiber Optical Converter

➤ Features

- Support 4 Channel Positive Contact Closure Fiber Optical Converter;
- Photoelectric isolation scheme to ensure the reliability, stability and security;
- Single fiber, dual fiber (optional) ;
- Multi-mode transmission distance 500M, single mode transmission distance 20KM;
- The device is open mode by default;
- The device does not support wet contact (charged) function by default;
- Support for 100M Ethernet (optional);
- Support LED status indicator;
- Devices are used in pair (Transceiver and Receiver);
- Plug and play,no setting required;
- Wide range of operational temperature (-20°C ~75°C);
- Warranty: 3 years;



➤ Introduction

UPCOM contact closure fiber optic converter is specially designed for long-distance optical fiber transmission, using self-developed non-compressed digital photoelectric conversion technology, using optical fiber point-to-point transmission contact closure, Ethernet, to achieve no delay,High reliability contact closure control, network transmission.

CC0400 contact closure fiber optic converter can transmit 4 positive contact closure through a single fiber or dual fiber, the multi-mode transmission distance can reach 500M, and the single mode transmission distance can reach 20km. The device works in pairs (transceiver and receiver), supports plug-and-play, no setting required, works in a wide operating temperature range (-20°C ~75°C), and has a 3-year warranty.

➤ Application

- Industrial video transmission
- Machine vision system
- HD video surveillance system;
- High-speed data acquisition system
- Remote storage
- Digital signage and TV wall
- Industrial printer system

➤ Specification

| Fiber Optical | |
|--|---|
| Module type | Single fiber (standard) |
| Wavelength | 1310nm, 1550nm |
| Rate | 155Mbps |
| Tx power | > -7db |
| Rx sensitivity | > -24db |
| Fiber connector | FC (standard) SC/ST/LC (optional) |
| Contact closure | |
| Level type | Contact closure (2 wire system)/ 1 channel |
| Input channels | 4 channel |
| Output channels | 4 channel |
| Input power range | 5V |
| Input electrical parameters | Dry node, not charged (short or disconnected) |
| Output electrical parameters | Dry node, not charged (short or disconnected) |
| Open / closed | Always open (standard) |
| Physical interface | Industry terminal |
| Relay | |
| Output relay maximum switching voltage | 240VAC/30VDC |
| Output relay mechanical durability | 100,000,000 times |
| Maximum output power of relay | 100,000,000 times |
| Ethernet | |
| Bandwidth | Self-adapting 10/100M rate |
| Protocol | IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX/FX Fast Ethernet, IEEE802.3x Flow control, IEEE802.1d Spanning Tree IEEE802.1q VLAN, IEEE802.1p QoS |
| Physical connector | RJ45 |
| Other | |
| The shell metal | Aluminium alloy |
| Product size | 104*104*28mm |
| Weight | 0.7KG |
| Working temperature | -20°C ~75°C |
| Storage temperature | -40°C ~85°C |
| Relative humidity | From 5 to 95% (non-condensing) |
| Warranty | 3 Years |

➤ Dimension

Indicator status description:



| Transmitter | | |
|--------------------|---------|---|
| Indicator | Printed | Description |
| Power supply | PWR | On: The device is powered on |
| | | Off: The device is powered off |
| Fiber | FIBER | On: bidirectional transmission (bidirectional signal) |
| | | Off: forward transmission (forward signal) |
| Receiver | | |
| Power supply | PWR | On: The device is powered on |
| | | Off: The device is powered off |
| Fiber | FIBER | Light on: fiber signal |
| | | Light off: no fiber signal |

➤ Ordering Information

| Model NO. | Description |
|-----------|---|
| CC0100 | 1 Channel Forward Contact Closure to Fiber Optical Converter, DC5V1A |
| CC0200 | 2 Channel Forward Contact Closure to Fiber Optical Converter, DC5V1A |
| CC0400 | 4 Channel Forward Contact Closure to Fiber Optical Converter, DC5V1A |
| CC0800 | 8 Channel Forward Contact Closure to Fiber Optical Converter, DC5V2A |
| CC1600 | 16 Channel Forward Contact Closure to Fiber Optical Converter, DC5V2A |
| CC3200 | 32 Channel Forward Contact Closure to Fiber Optical Converter, AC100~240V |

➤ Packing List

- Contact Closure to Fiber Optical Converter *1 pair
- DC5V power adapter *1
- User manual * 1
- Certificate of quality * 1
- Warranty card * 1

Attention

Lightning protection,static electricity and grounding:

It is recommended that when install the device,consideration should be given to the impact of grounding by lightning,and take prevention measures.Strong static electricity will damage the optical device and data chip in the equipment.It is recommended that when plug/unplug the data port of the optical converter,please disconnect the power supply of the optical converter first.

Fiber and optical components:

Be careful when plugging the optical fiber as optical components of the optical converter is very fragile,and it should avoid causing damage to the optical components.It should be noted that the light source produced by the optical components of the optical converter will be harmful to eyes,so do not have direct eye contact with the optical components of optical converter.If you need to detect the optical power of the optical converter,please use the optical power meter.

Equipment and installation procedures:

- Optical fiber installation:please carefully insert the optical fiber into the optical fiber interface of the optical terminal after confirming that the optical fiber link meets the installation requirements.
- Equipment installation:The equipment is used in pairs, which include a transmitter and a receiver,this information is clearly stated on the label and printed on the chassis of the equipment.