16 Channel Contact Closure Fiber Optical Converter

Features

- Support 16 Channel Positive Contact Closure Fiber Optical Converter;
- Photoelectric isolation scheme to ensure the reliability, stability and security;
- Single fiber, dual fiber (optional) ;
- The device is open mode by default;
- The device does not support wet contact (charged) function by default;
- Support for 100M Ethernet (optional);
- Multi-mode transmission distance 500M, single mode transmission distance 20KM;
- 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.

CC1600 contact closure fiber optic converter can transmit 16 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	16 channel
Output channels	16 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	114*167*45mm
Weight	1.5KG
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.