

## Dry contact fiber converter

Dry contact (or open and close signal) refers to a contact of a relay which does not make or break a current. Usually there are relays or devices which are responsible of starting or stopping the current. It is widely used in alarm system or security application. Dry contact fiber converter is used for lengthen such signal over long distance.

### FEATURES

- Electrical Interface : 2 port relay terminal/RJ45
- Input Signal : open close signal
- Output Signal : Relay signal
- Support 5V DC



### APPLICATIONS

- Security control
- Alarm signaling extension
- Relay control

Fiber type	Wavelength	Power	Receiver sensitivity	Receiver saturation	Distance (Km)
Singlemode S20	1310	-15~-10	-34	-8	0~20
Singlemode S40	1310	-12~-5	-36	3	0~40
Singlemode S	1310	-5~0	-38	+2	0~60
Singlemode S	1550 DFB	-5~0	-35	+2	0~110
Multimode M02	850	-18.5~-14	-35	-8	0~2

### SPECIFICATIONS

Fiber Index	
Module type	Single fiber (standard)
Wavelength	1310nm 1550nm (Option is based on device function)
Environmental	155Mbps
Module rate	> -7db
Tx power	> -24db
Rx sensitivity	FC (standard) SC/ST/LC(optional)
Contact closure index	
Level type	Contact closure (2 wire system) / 1 channel
Input channels	1~128 channels
Output channels	1~128 channels
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

<i>Relay index</i>	
<i>Output relay maximum switching voltage</i>	240VAC/30VDC
<i>Maximum switching current of output relay</i>	120VAC/0.5A ,240VAC/0.25A ,30VDC/1A ,6VDC/5A
<i>Mechanical durability of output relay</i>	100,000,000 times
<i>Maximum output power of relay</i>	30W
<i>Ethernet index</i>	
<i>Bandwidth</i>	Self-adapting 10/100M rate
<i>Protocol</i>	IEEE802.3 10Base-T Ethernet,IEEE802.3u 100Base-TX/FX Fast Ethernet, IEEE802.3x Flow control, IEEE802.1q VLAN,IEEE802.1p QoS,IEEE802.1d Spanning Tree
<i>Physical connector</i>	RJ45
<i>Environmental</i>	
<i>Operating temperature</i>	-20°C ~75°C
<i>Storage temperature</i>	-40°C ~85°C
<i>MTBF</i>	>100,000 hours

## INDICATOR STATUS

<i>Transmitter</i>	
<i>Power supply ( PWR )</i>	On: The device is powered on Off: The device is powered off
<i>FIBER</i>	On : bidirectional transmission ( bidirectional signal ) Off : forward transmission ( forward signal )
<i>Receiver</i>	
<i>Power supply ( PWR )</i>	On: The device is powered on Off: The device is powered off
<i>FIBER</i>	Light on : fiber signal Light off : no fiber signal

## ORDERING INFORMATION

P/N	Descriptions
Dry Contact fiber converter	
LB1DCTzzz-p	1Ch dry contact
LB4DCTzzz-p	4Ch dry contact
LB8DCTzzz-p	8Ch dry contact
LB16DCTzzz-p	16Ch dry contact
LB128DCTzzz-p	128Ch dry contact
zzz	
M01, S20	Multimode-1km, Singlemode 1310-20km
P	
-S-T, -S-R, -R-T, -R-R, -D-T, -D-R S-Standalone, R-Rackmount, D-DinRail Mount, T-Transmitter, R-Receiver	