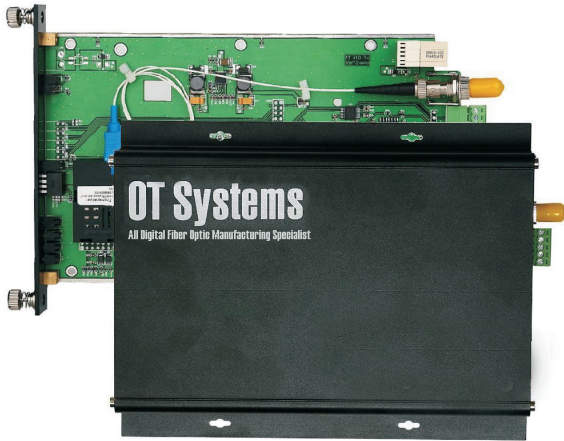


## 1 Bi-directional Contact Closure



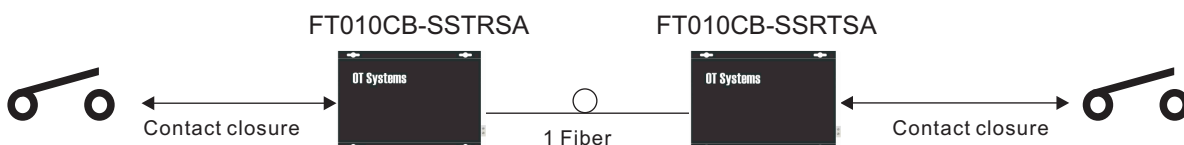
The FT010CB series supports optical transmission of dry contact or TTL input signal through one fiber either in multimode or singlemode.

It provides a flexible solution for the transmission of one bi-directional contact closure. Either standalone or card module is available for different installation requirements.

### Features

- One bi-directional contact closure transmission
- Supports dry contact or TTL input
- Contact closure output selectable (NO or NC)
- Suitable for alarm triggering, gate control, automation, etc
- Alarm (beeper and LED blink) when there is power or fiber loss
- Laser diode for optical transmission
- Optimum sensitivity for power budget concerns
- Excellent suppression of EMI & RFI and elimination of ground loop
- Adjustment and maintenance free
- No setup but just plug-and-play
- Hot-swappable card modules
- Duplicated LED indicators on the front and rear of the unit for the convenience of observation
- Transient voltage protection on power supply and all signal inputs & outputs
- Robust design for harsh environment applications
- Standalone or card module

### Typical Application



# FT010CB Series

## Ordering Information

Model	Description	No. of Fibers (Wavelengths)	Optical Power Budget	Max. Distance
<b>MULTIMODE (62.5/125 <math>\mu</math>m)</b>				
FT010CB-SMTR	1 Contact Closure Transceiver	1 (1310/1550 nm)	23 dB	4 km
FT010CB-SMRT	1 Contact Closure Transceiver			
<b>SINGLEMODE (9/125 <math>\mu</math>m)</b>				
FT010CB-SSTR	1 Contact Closure Transceiver	1 (1310/1550 nm)	17 dB	40 km
FT010CB-SSRT	1 Contact Closure Transceiver			
FT010CB-SSTR	1 Contact Closure Transceiver	1 (1310/1550 nm)	24 dB	60 km
FT010CB-SSRTL	1 Contact Closure Transceiver			
<b>Accessories:</b>	FT-C18. 19" rack mount chassis (purchased separately) for housing card modules FT-PA/12V. 12VDC power adapter included for standalone (US, European, UK or Australian power plug)			
<b>Options:</b>	Model numbers specified above are for Card Modules, please add ' <b>SA</b> ' for Standalone. eg. FT010CB-SMTR <b>SA</b> ST type connector is standard. For FC type, specify ' <b>F</b> ' in the model number. Eg. FT010CB-FMTR			

- NOTES: (1) Transmission distance will suffer if additional losses are introduced by the optical connectors, fusions, splices and the fibers within the network.  
 (2) Operating distance of multimode is limited by the characteristics of the fiber bandwidth.  
 (3) Power adaptor is manufactured by third party and is supplied with fitted screw-terminal output cables.  
 (4) Please feel free to consult factory for any special requirement and customization

## Specifications

Contact Closure		Electrical and Mechanical	
No. of Channels:	1	Power:	SA: 12VDC @ 4.5W Card: From FT-C18 chassis
Direction:	Bi-directional	Dimensions (HxWxD):	SA: 30 x 156 x 212mm Card: 154 x 20.4 x 212mm
Input:	Dry contact or TTL input	Weight:	SA: 0.65kg Card type: 0.2kg
Output:	Dry contact, NO or NC; Max. 32VDC/VAC @ 100mA	No. of rack slots:	1
<b>Connectors</b>		LED Indicators:	Power, Optical carrier detected, Contact closure Tx & Rx
Optical:	ST (standard), FC	<b>Environmental</b>	
Contact Closure:	5-pin screw terminal	Operating Temp.:	-40°C to +75°C
Power:	SA: 2-pin screw terminal Card: Futurebus connector	Storage Temp.:	-40°C to +85°C
		Relative Humidity:	0 to 95% non-condensing
		MTBF:	> 100,000 hours



**Lifetime Warranty**