



FRM220-CCF40

4ch Contact Closure Fiber Converter

FRM220-CCF20

2ch Contact Closure Fiber Converter

The FRM220-CCF contact closure fiber converter provides the transmission of contact closure over a single fiber optic link. With SFP cage on fiber ports, the FRM220-CCF gives you the fiber cabling connector SFP-LC, both multi-mode and single-mode are available as well as BiDi which allows bi-directional transmission using only a single fiber cable. The FRM220-CCF has a contact input and a 0.5 amp contact output relay. The contact closure module has two relay outputs and two relay input. The relay output follows the “relay input” at the remote end. When the remote “relay input” is shorted, the local relay output is closed and vice-versa. The second relay output is closed when “carrier” is detected from the remote end, this indicates that the optical fiber is connected and that the remote end has power and is operating.

Features

- Transmits a single contact closure in one or two directions
- Distances up to 120km
- 30 VDC, 0.5 amp relay N.O. (Normally Open)
- Point-to-Point transmission architecture
- Plug-and-play design ensures ease of installation requiring no electrical or optical adjustments
- Relay contact for Carrier Detect, N.C. (Normally Close)
- Indicating LEDs are provided for confirming equipment operating status
- Managed when places in FRM220 chassis with NMC

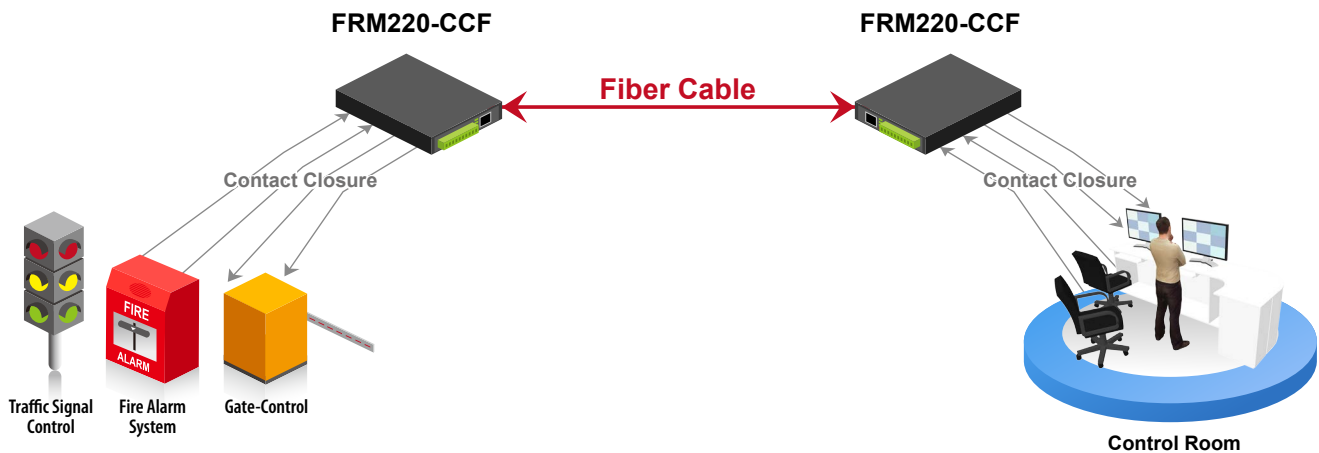
Specifications

Contacts	Contact Interface Response Time : 4 msec Input Dry Contact Closure Output SPST Relay, 30 VDC @ 0.5 A, Resistive loads only. 0.5 A Contact Rating - normally open
Number of Fibers	x1
Connectors	Optical SFP-LC, Contact, Terminal Block
LED Indicators	Contact Relay, Carrier Detect
Power	Operating Voltage Range 8 to 15 VDC Power Consumption 4W Max

Electrical & Mechanical	Current Protection Automatic Resettable Solid-State Current Limiters Circuit Board Meets IPC Standard
Dimension	155 x 208 x 88mm (D x W x H)
Weight	200g
MTBF	>100,000 hours
Operating Temperature	0°C to +50°C
Storage Temperature	-10°C to +85°C
Relative Humidity	0% to 95% (non-condensing) ¹

Application

- Alarm Event Triggering
- Fire and Alarm Systems
- PIR Signal Transmission
- Building Automation and Environmental Control Systems
- Gate Control
- Traffic Signal Control Equipment



Ordering Information

Model Name	Description
FRM220-CCF40	4ch Contact closure fiber converter
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