

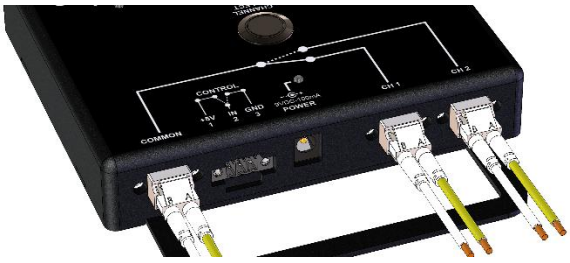
- 1x2 2 channel
- Purely optical path
- Transparent to data speed
- Protocol independent
- Cost efficient
- Future proof

Fiber Optical Switch 1x2 2-channel Singlemode

Description

Fiber optic switch 1x2 2-channel SM application is to switch fiber pairs between different channels (sources/destinations). It can be controlled by a top panel switch. The signal passes through the switch optically, without any electrical conversion. This eliminates both electrical losses and bandwidth limitations, providing maximum performance and reliability for today's and tomorrow's data communications.

Fibersystem's fiber optic switch is the optimal long-term solution for these networks, thanks to its protocol-independent design and complete transparency of data rates. Built to meet the most demanding needs in IP communication, the fiber optic switch ensures unparalleled efficiency and flexibility in any network environment. The fiber optic switches are developed and manufactured by Fibersystem and can be adapted to customer needs.



Simple configuration layout with all connections placed at the back

Safety-enhancing features

- Switching is 100% optical

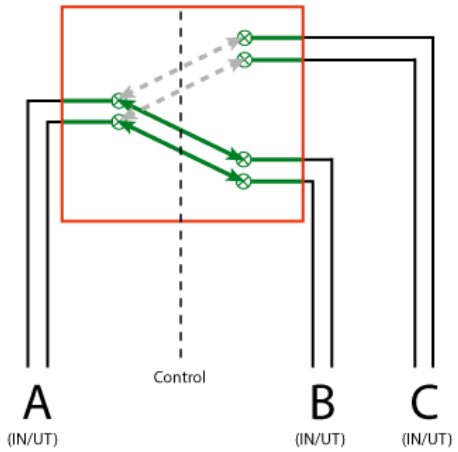
Examples of applications

- Optical protection
- Test system
- Reconfigurable add-drop multiplexers
- Provisioning of FFTH and dark fiber
- Disaster recovery
- Redirect
- Reset of communication

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The illustration shows the connection between the channels.

The fiber connection is physically moved to connect to the selected channel.

2 Channels = 1 LC Duplex Connector

Features

Features	Description
Fiber	Optical Singlemode
Optical channels in/out	1 LC duplex
Optical channels in/out	2 LC duplex
Insertion loss typical	<0.3 dB
Crosstalk	-80 dB
Repeatability	± 0.1 db
Switching time	3.5 ms
Durability	30 000 000 cycles

Technical Data

I/O-ports	Description	Connectors	No
Fiber optical	Wavelength: 850/1310 nm	LC	1
Fiber optical 1-2	Wavelength: 850/1310 nm	LC	2
Power supply	**Description**		
Mains voltage	9 VDC (+/- 25%)		
Connector	DC 5,5/2,1 mm		
Power consumption max	<0.5W		
Mechanics and Environment	**Description**		
Dimensions	30 x 140 x 130 (HxWxD) mm		
Weight	540 gr		
Operating temperature	0 °C to 40 °C, at 10–90 %RH relative humidity, non condensing		
Storage temperature	-40 °C to 80 °C, at 10–90 %RH relative humidity, non condensing		

Order information

Product	FBET	FBEN	Product No
Fiber Optical Switch 1x2 SM	N/A	N/A	60-00-9150

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