



- 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.



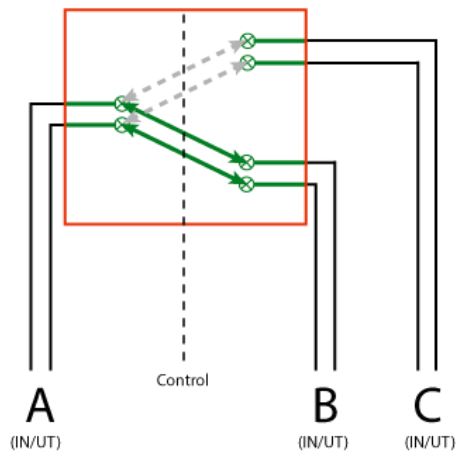
Simple configuration layout with all connections placed at the back

### 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



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	Singlemode 1550 nm
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	<1 W		
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