

Support 100M/1G/10G optical bypass function of 2 port duplex or 4 port simplex fiber connection

Different model supported for multi-mode or single-mode optical fiber

Low insertions loss

Throughput not affected and no extra delay

Bypass switching time <10ms

Dual Wide range power inputs: 12~48VDC

Relay output for power failed warning

Rigid IP-30 housing design

DIN-Rail and wall mounting enabled



ITS-80BP is an external Bypass switch for 100M/1G/10G fiber optical networks. This fiber optical bypass switch protects from network failures and Network maintenance by ensuring network integrity during power loss. This fiber optical bypass switch includes network ports and monitor ports. The network ports are used to connect to main-network connections and provide protection mechanism and the Monitor ports are used for down-link networking device. When power is on, the mode of the bypass switch is in normal operation mode and the local networking device is connected with main-network. When on the power failure state, the bypass switch is set to bypass mode to isolate the main-network from the local networking device.

Distribution:

Express Supply Inc.

407-497-8614

info@expresssupply.net

www.expresssupply.net

ITS Express 80BP Specification

Physical Ports	LC Connector: 4 Duplex Single-mode LC connector
Fiber Ethernet	Optical Fiber: Single Mode 9/125nm Operating Wavelength: 1260 ~ 1570nm Switch Time: <10ms
DIP Switch Settings	DIP Switch No. 1: Power-1 Failed warning detection – (On) relay enable (Off) relay disable DIP Switch No. 2: Power-2 Failed warning detection – (On) relay enable (Off) relay disable
LED Indicators	Power Indicator - Green : Power LED x2 Normal Indicator - Green On : Operated in normal mode
Fault Contact	Relay output for power failure warning
Power	Redundant Input Power - Dual 12 ~48 VDC power inputs at DC Jack and 4 pin terminal block Power consumption (Typ.) - 2.7 watts Overload Current Protection - Present Reverse Polarity Protection - Present on terminal block
Physical Characteristics	Enclosure - DIN Rail Mounted Metal Dimensions - 26.1 (W) x 94.9 (D) x 144.3 (H) mm (1.03 x 3.74 x 5.68 inch) Weight (g) - 405g
Environmental	Storage Temperature: -40 to 85c (-40 to 185°F) Operating Temperature: -40 to 85c (-40 to 185°F) Operating Humidity: 5% to 98% Non condensing
Regulatory Approvals	EMI: FCC Part 15, CISPR (EN55022) class A, EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 EMS: (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11 Shock Vibration: IEC60068-21-2, IEC60068-21-1 Environmental Safety: IEC60068-2-1, IEC 60068-2-2, IEC60068-2-30, EN60950-1 NEMA TS-2

