

OSD8100 CWDM OPTICAL PROTECTION SWITCH

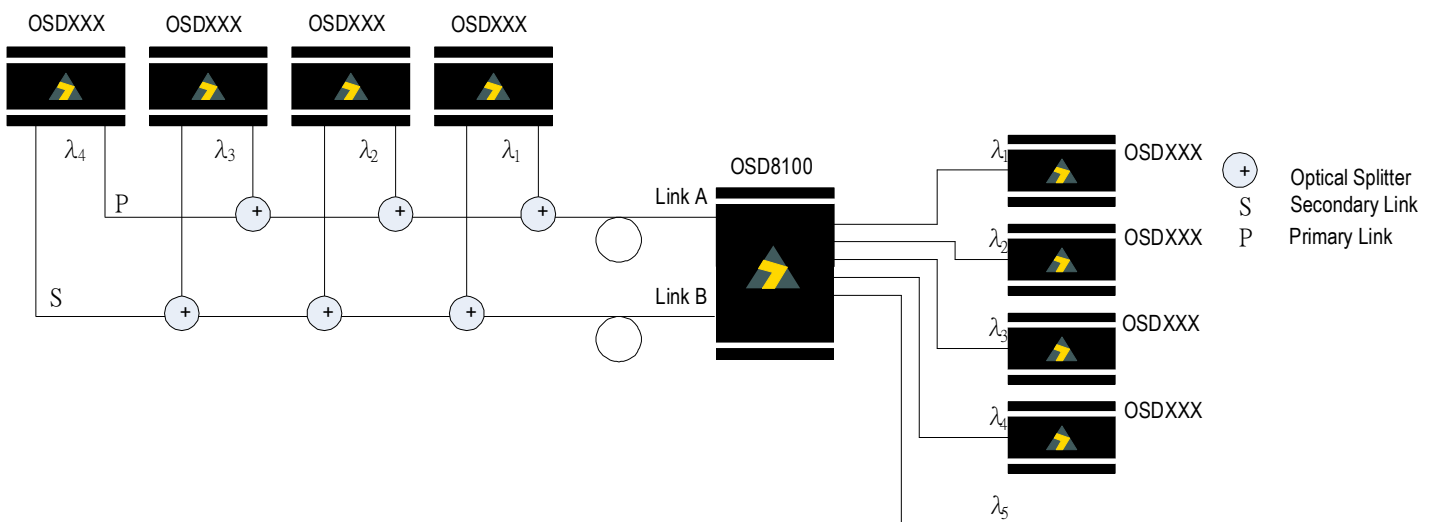


APPLICATIONS

- ▲ High reliability transportation networks
 - such as railways and highways
- ▲ Industrial monitoring systems
- ▲ CCTV Networks

FEATURES AND BENEFITS

- ▲ Secure automatic optical channel selection of up to 5 wavelengths carried on each of 2 fibers. Normally, 4 wavelengths are used with a fifth available as a spare that can be deployed to any of the four remote sites.
- ▲ User selectable link settings, auto mode for automatic link selection.
- ▲ Independent of the protocols being carried.
- ▲ Link status indicating LEDs
- ▲ User enabled audible alarm to warn if no optical inputs are detected at the primary and the secondary link.
- ▲ External Relay contacts for each wavelength for system alarms.



ORDERING INFORMATION

OSD8100 4+1 channel optical switch



SPECIFICATIONS

OPTICAL

Optical Fiber Type	Singlemode
Operating Wavelengths	Any 5 of the 18 standard CWDM wavelengths on 20nm spacings from 1271 to 1611nm
Optical Connectors	ST standard, FC is optional.
Insertion Loss	< 3dB

PHYSICAL

Package Type slots	Module which plugs directly into OSD350 or OSD370 chassis and takes up 4 slots
Power Requirements	10 to 15VDC @ 300mA
Dimensions (mm)	100W x 210D x 100H
Operating Temperature	-20°C to +75°C
Relative Humidity	0 to 95% non-condensing
Indicators on each of the 5	Wavelengths Link Status for each path Selected link path Total Failure of both paths
Controls for each of the 5	Wavelengths Wavelength enable Path select: Path A, Path B and automatic selection
Common Control	Audible buzzer enable
Alarm Connector	DB25 Female on rear of unit
Weight	0.7Kg
Chassis Current Consumption	0.30 Amp