

## Optical A/B/C Switch (1X3)

OS-3131

### For Secure Fiber Optic Signal Selection Applications

The OS-3131 is a fiber optic switch that can be controlled remotely or through a front panel switch. The optical path through the units is purely optical, so there is no optical to electrical to optical conversion. There is no electrical loss or electrical bandwidth limit on the fiber optic path. The optical path can be select via a front panel switch or via contact closure inputs on rear panel. In event of loss of power, the unit has a fail safe mode that forces the switch to revert from port A to Port D.

Common applications for this device are optical routing, system bypass, network cut off switch, and fiber optic testing. For two OS-3131 mounted in a single housing with single control, order the OS-3231.



### Technical Specifications

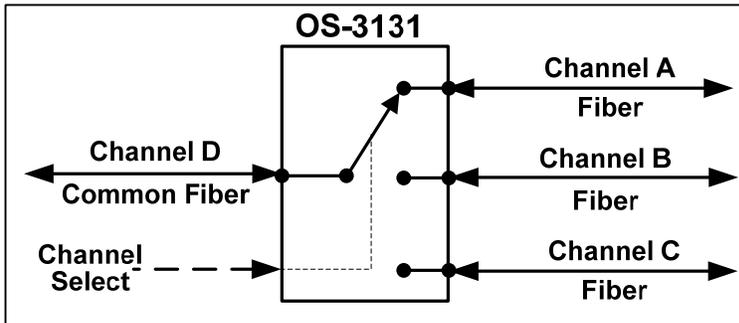
Switching Time	< 10 ms
Back Reflection	< -50 dB
Insertion Loss	< 2.2 dB
Cross Talk	< -50 dB
Switch Life cycle	> 1 Million cycles
Operating Wavelength	850/1310 or 1310/1550nm
Optical Connectors	ST, SC, or FCPC
Operating Temperature	0° to +70°C
Power Requirements*	11-24 VAC/DC @150 mA
Size (mm) Single	5.0" (127) x 4.0" (102) x 1.0" (25.4)
Size (mm) Dual	5.0" (127) x 4.0" (102) x 2.23" (56.6)

\* -48VDC only models available by request.

Note that all specifications are subject to change without prior notice.

### Important Features

- **Switching time < 10 ms**
- **Fail-safe return to Ch A with loss of power.**
- **Small physical footprint**
- **Multimode or single-mode versions**
- **Stand-alone, DIN or Rack Mountable (same unit)**
- **Power and Switch status indicators**



**Ordering Information;** OS-3131-X where "X" = Wavelength/Fiber/Connector

-3 = 850/1310nm Multi-mode ST/PC

-4 = 850/1310nm Multi-mode- SC/PC

-5 = 1310/1550nm Single-mode SC/PC

-7 = 1310/1550nm Single-mode FC/PC

**LuxLink**<sup>®</sup>

Fiber Optic Transmission Systems

www.LuxLink.com  
USA 516-931-2800