

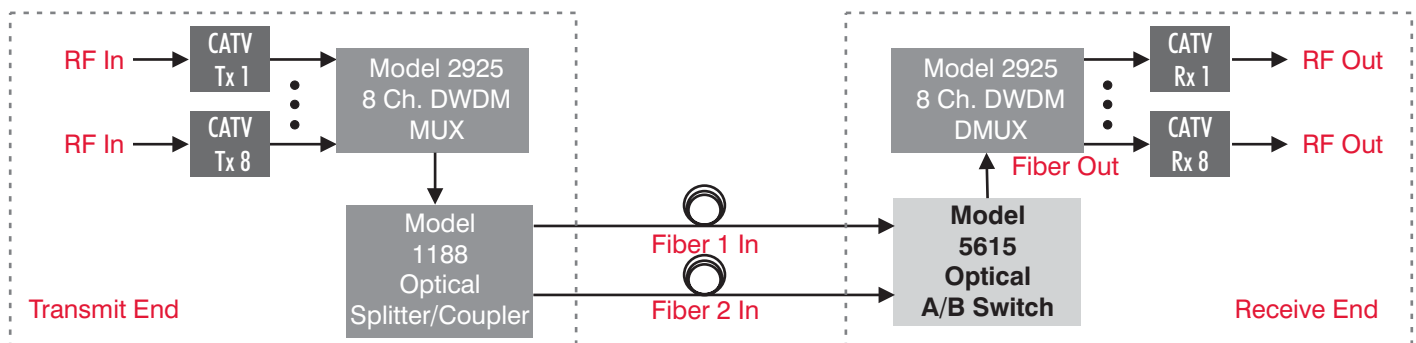
Optical A/B Switch

- Provides an automatic fiber switching function for redundant protection of optical signal.
- Two bi-color green/red LEDs allow for quick assessment of optical power levels and the optical trip threshold levels.
- Additional flexibility via forced manual channel selection.
- Two displays and adjustment pots provide viewing and adjustment of the desired optical trip threshold and actual fiber optical power levels.
- 1RU rack-mount enclosure with UL Approved 100-240 Volts AC power supply.



Model 5615 Optical A/B Switch

The Force Model 5615 Optical A/B Switch provides an automatic fiber switching function for redundant protection of optical signals. Each fiber's optical signal power level is monitored, as is an adjustable optical trip threshold for each channel. If the primary fiber's optical signal power level falls below the desired optical trip threshold, the unit automatically switches to the secondary fiber, thus eliminating the need for intervention of a system operator. Returning to the primary fiber is automatic when the signal on fiber 1 is restored. The disabled path selection switch in auto mode prevents path 2 from being set at the primary fiber. Additional flexibility is added via forced manual channel selection. This feature expands the functionality of the redundant unit. For example, the user could not provide unique signals to each channel and switch between each as desired. The Model 5615 adds stability to many system applications, such as WDM networks, high-speed communications, and long-haul telecommunications.



Optical Switching in a Multichannel CATV Transport System

Specifications and Ordering Information

Optical Characteristics*

	Min	Typ	Max	Units
Operating Wavelength	1200		1610	nm
Optical Input Range			+20	dBm
Optical Insertion Loss			2.0	dB
Optical Trip Threshold/ Meter Range	-35		+20	dBm
Optical Switch Speed			15	ms
Backreflection Tolerance			-50	dB

Electrical Characteristics*

	Min	Typ	Max	Units
Power Supply Voltage	100		240	VAC
Power Supply Frequency	50		60	Hz
Fuse Type	1.25 Amp, Slo-Blo			

Environmental and Physical Characteristics

	Min	Typ	Max	Units
Operating Temp. Range	+10		+40	°C
Storage Temp. Range	-40		+80	°C
Humidity (RH, non-condensing)	5		90	%
Weight		6		lbs.
		2.2		kg
Dimensions	19.0 x 14.2 x 1.72			in.
	483 x 361 x 44			mm



**Model 5615 Front View
and Rear View**

Optical A/B Switch P/N*

Optical A/B Switch Options	SC/APC Connector	FC/APC Connector
Single-mode, 1310 nm/1550 nm	5615S-SFSP	5615S-SFAP

*See IOM5615 for complete operating specifications.



FORCE

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