

YM235 Optical Power Monitoring and Switching Device



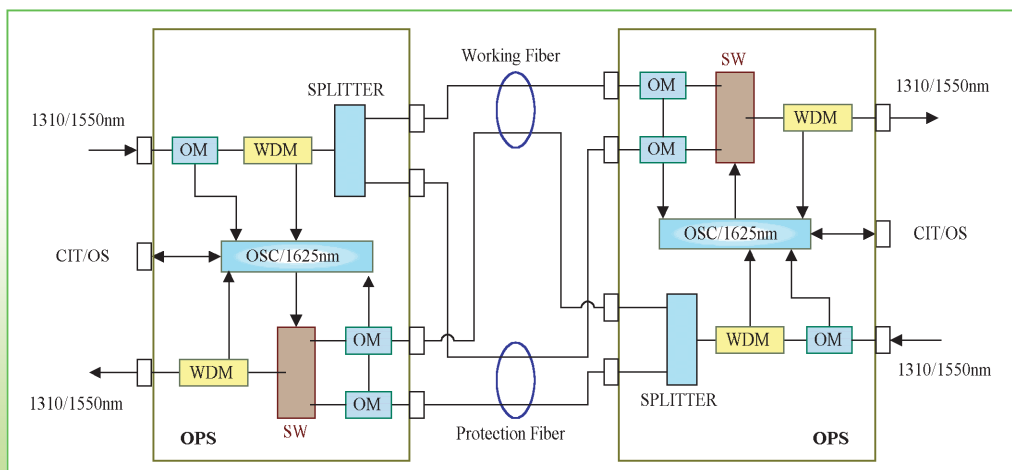
Overview

YM235 Optical Power Monitoring and Switching Device provides users monitoring and switching capabilities for fiber networks. The device offers telecom, CATV and high speed data users a flexible, non-intrusive way to detect physical plant degradation and provide security for central location or remote fiber rings.

Features

- ◆ Stand-Alone design and can be mounted in 19 or 23 inches rack.
- ◆ 1+1 protection switching.
- ◆ Real time precision optical power monitoring.
- ◆ User programmable threshold alarm.
- ◆ Data logging feature.
- ◆ SNMP Agent.
- ◆ RS-232 and Ethernet interfaces.
- ◆ 2×24 LCD display.
- ◆ Dry contact alarm output.
- ◆ Visual and audible alarm.
- ◆ Alarm cut off (ACO) feature.
- ◆ In-Band service channel for retrieving far-end data (Option).
- ◆ RS-485 bus for multiple units connection.

Typical Application



Specifications



◆ End to End System Insertion Loss	: < 8dB (Fiber Loss budget excluded)
◆ Optical Switching Detection Threshold	: -5dBm ~ -28dBm user-definable with step adjustment 1dB
◆ Switching Time	: < 50ms
◆ Optical Return Loss	: > 45dB
◆ Repeatability	: < ±0.1dB
◆ Cross Talk	: < -60dB
◆ CPE Interface	
Operation Wavelength	: 1310nm and 155nm ± 20nm
Input Power Range	: +3dBm ~ -15dBm
Connector	: FC-PC or SC
◆ Network Interface	
Receiver Power Level	: +1dBm ~ -33dBm
Connector	: FC-PC or SC
◆ In-Band Service Channel	: 1625nm ± 30nm (Option)
◆ Communication Interface	: RS-232 and Ethernet (10/100 Base T)
◆ SNMP Management	: MIB Base on UDP
◆ LED Status Display	: RUN , M/S , W1 , P1 , ALM1 , W2 , P2 , ALM2 , FAIL , ALM , LNK , DUP , 10/100 , COL , ACO
◆ Power	: AC 100 ~ 240V 0.25A : DC -44V ~ -56V 0.5A : AC redundant (Option)
◆ Operating Temperature	: 0°C ~ 50°C
◆ Relative Humidity	: 5% ~ 85%
◆ Dimension	: 44mm (H) × 432mm (W) × 270mm (D)
◆ Weight	: 2.4 KG
◆ Reliability	: MTBF > 5 years
◆ EMI	: Class A of CISPR

Specification is subject to change without notice



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