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**: 0ºC ~ 50ºC
- **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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