INDUSTRY-LEADING M13 MULTIPLEXER PROVIDING ECONOMICAL AND RELIABLE DS1 ACCESS. THE RC-28D OFFERS BOTH OPTICAL AND BIPOLAR HIGH-SPEED DS3 TRANSMISSION.

FEATURES

- Proven reliability
- Deployed by every RBOC and major independent
- Over 90,000 systems purchased
- Modular system design
- Segregated feeder and drop side switching
- Configurable equipment protection
  - High speed... 1:1
  - Low speed... 1:N (N ≤ 7)
- Tributary remote loop-back testing
- Line selectable AMI or B8ZS coding
- Serial or parallel alarm interface
- Optional 45 Mb/s optical interface
- Reversible 19 / 23 in. rack flanges
- NEBS-certified

INNOVATIVE AND RELIABLE MODULAR DESIGN

Unlike single mega-card “mux-on-a-plug” systems permitting only all-or-nothing protection, the RC-28D’s modular design segregates and insulates the feeder from the drop side protection, preventing a tributary’s degrading performance from triggering a high speed interface or total-system switch. Switching hits just the affected plug. System modularity accommodates variable equipment protection ratios (e.g., 1:1 — feeder and 1:N — tributary), enabling a variety of service availability guarantees and competitive pricing options.

The RC-28D features continuous self-monitoring capabilities for both on-line and off-line functions. The RC-28D monitors the working and standby ports of both the transmit and receive sides of the equipment. A serial alarm interface and optional concentrated alarm shelf further enhance system reliability.
TECHNICAL SPECIFICATIONS

Chassis
- Dimensions: 4.375 in. (H) x 12 in. (D) x 19 in. (W)
- Weight: 22 lbs

Power Requirements
- Power Consumption: 29W (bipolar and optical interface)

Environmental Operating Range
- Bipolar Interface: 0°C to 45°C (32°F to 113°F)
- Optical Interface: 0°C to 40°C (32°F to 104°F)
- Humidity: Up to 90% at 95°F

System Parameters
- Channel Capacity: Up to 28 DS1, 14 DS1C or 7 DS2 signals
- Interfaces:
  - Low Speed: DS1, DS1C, DS2
  - High Speed: DS3