



PRC

The PALS PRC is a versatile, next-generation redundancy controller designed for managing a wide range of switching systems, including coaxial and waveguide switches. Engineered for reliability and automation, it features built-in redundancy management to ensure uninterrupted operation and can be conveniently controlled via the front panel or remotely over Ethernet.

With its embedded web interface and SNMP network management capabilities, the PALS PRC offers seamless remote monitoring and configuration. Users can easily access system logs, adjust configurations, and view real-time status updates through a standard web browser. In remote mode, operators can monitor the active unit, while the system automatically performs switch-overs in the event of a failure, guaranteeing continuous service availability.

As an advanced automatic Uplink Power Control (UPC) unit, the PALS PRC precisely measures satellite beacon signal "link losses" and dynamically adjusts uplink power across multiple configurable L-Band channels. This ensures optimal transmission performance, enhanced signal quality, and efficient system operation.

Key Features

- Ideal for mobile and fixed applications
- Automatic redundancy mode for uninterrupted operation
- 1U 19" rack-mount chassis for compact installation
- Integrated Uplink Power Control (UPC) for dynamic power adjustment
- Web browser configuration and status monitoring
- Built-in DVB/Beacon receiver for precise link measurement
- User-configurable alarm thresholds for customized system alerts
- Comprehensive remote control via Ethernet with local manual controls and indicators
- Fully compatible with Terrasat BUCs

GENERAL SPECIFICATIONS

Processor :	120 MHz ARM Multiprocessors
RF Receiver :	DVB S/S2 and/or Beacon Receiver
Dimensions:	424 (19") x 350 x 44,45 (1RU) mm
Weight:	4 kg
Power Rating:	90-264 VAC, 47-63 Hz
Power Consumption:	200 W (max)

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