Size: 2RU

PAC-500-SPL

Advanced Controller Built on Decades of Experience

The PAC-500-SPL represents the culmination of hundreds of development hours and PALS' deep industry knowledge. Created to satisfy rigorous satellite communication requirements, this advanced antenna controller sets new benchmarks for performance and reliability in professional environments.

Simplified Satellite Acquisition for Any User

Even operators unfamiliar with satellite technology can achieve signal lock on pre-programmed satellites within three minutes. Sophisticated automation handles routine tasks, reducing the need for user input. Memory tracking, beacon receiver options, and manual overrides accommodate expert users, while three-tier account protection safeguards against unauthorized adjustments.

Dual Control Options with Network Ready Design

The standalone graphical display enables computer-free operation, complemented by an intuitive web interface for remote management. Built-in SNMP compatibility ensures smooth integration with current network monitoring systems, delivering versatile control capabilities across diverse operational settings.

Key Features

- Automatic Pointing System and "One Button" Operation
- Full Graphical Front Panel Display with Backlight
- Indications: Azimuth, Elevation and Polarization Alphanumeric
- Integrated AGC Receiver for Modem Integration
- Optional Integrated DVB-S/S2 Receiver & Beacon Receiver
- Integrated 10 MHz Generator with Auto External Switching
- Fully Automated Satellite Signal Acquision in 3 min.
- User Configurable Target Pointing
- Satellite Memory Tracking
- Fully Responsive Web Interface (SNMP Support)

Communications & Technology

Antenna Control Unit

TECHNICAL SPECIFICATIONS / PAC-500-SPL

Scan the QR code for more information.

GENERAL SPECIFICATIONS	PAC-500-SPL
Proccesor	120 MHz ARM Multiprocessors
Topology	Indoor and Outdoor Units
RF Receiver	DVB S/S2/ Beacon
Peripherals	GPS and GLONASS Receiver, True Compass, 3 Axes Motor Drive, 16-bit Absolute Resolver Drive
10 MHz Generator	Internal generator for LNB input. Internal Generator Output Port. External Signal Input Port (Automatically Switches to External). User configurable.

MONITOR AND CONTROL SPEC.	PAC-500-SPL
HMI	Fully Graphical Front Panel Screen with Alphanumerical Keypad
Remote	RJ-45 port for full responsive web interface (no software needed) and SNMP v2c support
Monitor Ports	Input Signal Monitoring Port

PHYSICAL FEATURES	PAC-500-SPL
Dimensions	424 (19") x 551 x 88 (2RU) mm
Weight	10 kg

ELECTRICAL SPECIFICATIONS	PAC-500-SPL
Power Rating	90-264 VAC, 47-63 Hz
Power Consumption	325 W max (except de-ice)
LNB Power	13/15/18 VDC and 22 KHz User Configurable Supply
Misc.	Internal Power Factor Corrector and Line Filter

ENVIROMENTAL SPECIFICATIONS	PAC-500-SPL
Temperature Range Operational	-10 °C - +55 °C, Compliant with MIL-STD-810G Method 501.5 and Method 502.5
Temperature Range Survival	-20 °C - +60 °C, Compliant with MIL-STD-810G Method 501.5 and Method 502.5
Humidity	%95 Cycling Temp, Compliant with MIL-STD-810G Method 507.5
Low Pressure Operational	3000 meters, Compliant with MIL-STD-810G Method 500.5
Low Pressure Survival	4500 meters, Compliant with MIL-STD-810G Method 500.5
Thermal Shock	-20 to +60 cyclic shock, Compliant with MIL-STD-810G Method 503.5
Vibration	Cat. 4 and Cat. 10 on all axes, Compliant with MIL-STD-810G Method 514.6
Mechanical Shock	20G, 11 ms on all axes, Compliant with MIL-STD-810G Method 516.5

Specifications are subject to change.

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