



PAC-500-SPL

PALS has leveraged hundreds of hours of R&D and decades of expertise to develop the next-generation PAC Series Antenna Controller, engineered to meet the most demanding satellite communication standards.

PAC-500-SPL is easy to use for an operator with minimal training and without knowledge about satellites. PAC-500-SPL finds defined satellites under 3 minutes. It's equipped with state-of-art algorithms to minimize operator intervention and automatically perform expected tasks. It also has features such as memory tracking, beacon receiver (optional) with adjustable features, manual control features for advanced users. Its fully graphical front panel display eliminates the need for a computer. While it's fully responsive web interface promises the exact same experience. It features 3 levels, programmable user accounts for both security, and prevention of accidental interventions. The system features SNMP support, enabling effortless integration into existing network management infrastructures.

Key Features

- Automatic Pointing System and "One Button" Operation
- Full Graphical Front Panel Display with Backlight
- Indications: Azimuth, Elevation and Polarization Alphanumeric Keypad for Ease of Use
- Stow Prevention Key for Maintenance
- Integrated DVB-S/S2 Receiver / Beacon Receiver
- Integrated 10 MHz Generator with Auto External Switching
- Integrated De-ice Controller with Sensors (Optional)
- Emergency Stop Button
- Fully Automated Satellite Signal Acquisition under 3 min.
- User Configurable Target Pointing
- Satellite Memory & Step Tracking
- Fully Responsive Web Interface (SNMP Support)
- Event and Alarm Logging
- 3 Level User Access
- Configurable Visual and Audio Alarms
- Build in Self Test
- Very Low Start-Up Time
- Supports OpenAMIP
- Control & Monitoring via remote management appliances

COMPATIBILITY

- MIL-STD-810
- MIL-STD-1472
- MIL-STD-188/124A
- Eutelsat Characterized Autopointing



GENERAL SPECIFICATIONS		
Processor	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 SPECIFICATIONS		
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		
Dimensions	424 (19") x 551 x 88 (2RU) mm	
Weight	10 kg	

ELECTRICAL SPECIFICATIONS		
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	

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

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