



PAC-500

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 is easy to use for an operator with minimal training and without knowledge about satellites. PAC-500 locks on to pre-defined satellites under 3 minutes. It is equipped with state-of-the-art algorithms to minimize operator intervention and automatically perform required tasks. It has adjustable features, and manual control features for advanced users. It features a fully graphical front panel display that operates independently without a computer, while its responsive web interface delivers the same seamless experience. It features 3 levels of programmable user accounts for both security, and prevention of accidental interventions. It also supports SNMP for seamless integration into your network management systems.

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 (Optional)
- Integrated AGC Receiver for Modem Integration
- Fully Automated Satellite Signal Acquisition under 3 min.
- User Configurable Target Pointing
- Satellite Memory 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
- Emergency Stop Button

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 (optional), AGC
Peripherals	GPS and GLONASS Receiver, Inclinometer, True Compass, 3 Axes Motor Drive, 16-bit Absolute Resolver Drive

MONITOR AND CONTROL SPECIFICATIONS

HMI	Fully Graphical Front Panel Screen with Alphanumeric 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 350 x 44.45 (1RU)
Weight	4 kg

ELECTRICAL SPECIFICATIONS

Power Rating	90-264 VAC, 47-63 Hz
Power Consumption	200 W max
LNB Power	13/15/18 VDC and 22 KHz User Configurable Supply
Misc.	Internal Power Factor Corrector and Line Filter

ENVIROMENTAL SPECIFICATIONS

Test Name	Specification	Limitations
Tempertaure	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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