



PAC-700

The PALS PAC-700 Control System is an advanced antenna control system designed for applications with challenging specifications for tracking, complex geometries and dynamic environments. For most antennas with sizes of 2.4 meters and up, the PAC-700 Antenna Control System provides accurate, user-friendly control over the basic motorization kits.

A state-of-the-art automatic positioning system The PAC-700 Antenna Controller combines advanced control functions and an enhanced menu-driven user interface to provide accurate antenna positioning with minimum operator effort.

With almost any antenna, our control systems can be used and support a wide variety of applications. The systems have a modern, easy-to-use Ethernet interface and can be upgraded to protect your investment software.

Key Features

- Adaptable to almost all antennas
- AC Servo Driver & Motor at Az&El Axes
- DC Motor at Pol Axis
- Integrated DVB-S/S2 Receiver
- Integrated Beacon Receiver (Optional)*
- Integrated AGC Receiver for Modem Integration
- Integrated De-ice Controller with Sensors (Optional)
- Emergency Stop Button
- 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
- Interoperable with remote management appliances

*: Beacon receiver can be integrated and used simultaneously with DVB S/S2 receiver in same unit.



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
10 MHz Generator (Optional)	Internal generator biased with LNB Input Port. Internal Generator Output Port for other uses. External Signal Input Port (Automatically Switches to External). Internal/External Choice is User Configurable."

MONITOR AND CONTROL SPECIFICATIONS	
HMI	Fully Graphical Front Panel Screen with EMC Shield, 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	Outdoor Unit	160 x 60 x 30 Cm
	Indoor Unit	42.4 x 55.1 x 8.8 Cm
Weight	Outdoor Unit	50 Kg
	Indoor Unit	14 Kg
Operational Temperature		-10°C to + 40°C -30°C to + 50°C (Optional Low-Temp Kit) -30°C to + 60°C (Optional High-Temp Kit)
Storage Temperature		-40°C to + 70°C
Humidity		100% Condensibg

ELECTRICAL SPECIFICATIONS		
Power Rating	Outdoor Unit	220 VAC, 50 Hz (2PH), 380 VAC, 50 Hz (3 PH)
	Indoor Unit	220 VAC, 50 Hz
LNB Power		13/15/18 VDC and 22 KHz User Configurable Supply
Misc.		Internal Power Factor Corrector and Line Filter

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