

easyTrack

autotracking
made easy



HALL 1 // STAND B1 40



Ideal for inclined
orbit satellites



www.easytracksat.com

easyTrack

Transforms standard antennas into autotracking systems

easyTrack provides a cost effective motorization and optional tracking solution

The three axis easyTrack motorization unit allows the antenna to operate with a number of different satellites. The motors provide for stable and precise movement and fine control for signal optimization. The rugged mechanics ensures for operation and survival in the most extreme conditions and environments.

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The system is currently available for Skyware Global and Prodelin antennas of sizes 1.2m, 1.8m and 2.4m.

Key Features:

- **Flexible and cost-effective:** the same kit fits different size of antennas
- **3 Axis motorization:** provides full Azimuth, Elevation and Polarization movement
- **Easy to install:** easyTrack is designed for a seamless integration with the antenna, new or existing, without any modification
- **Approval safe:** the kit doesn't alter the electrical performance of the antenna, ensuring that original type approval is maintained
- **Easily upgradable:** easyTrack comes with an integrated beacon receiver interface, to upgrade the system with the optional beacon receiver at any time
- **Remotely controlled:** the indoor web interface allows to manage the system via web through a LAN IP cable, even from a remote location. SNMP supported



MOUNT

Mount Type	Elevation over Azimuth
Travel Range Azimuth	±160°
Elevation	15° ÷ 80°
Polarization	±90°
Travel Rate	
Azimuth	1.2°/s max (24Vcc)
Elevation	1°/s max (24Vcc)
Polarization	3.6°/s max (24Vcc)
Motors Supply Voltage	Direct motors Control through PWM 8A max mode @ 24 VDC Wind Load Operational 125 km/h
Survival	200 km/h
Temperature Range	-30°C to +55°C
Humidity	0 to 100%
Atmosphere	Salt, pollutants as encountered in costal and industrial areas
Dimension	W 80 cm x D 60 cm x H 70 cm
Weight	50 kg
Agc Input	0 a 10V 2MΩ with offset and gain regulation
Selection from the web interface menu	
Stand-by mode	
Manual mode	
Preset mode	
Tracking mode	
Beacon calibration from remote interface	

POSITIONING

Position Encoding	13 bit Absolute rotary Encoder for Elevation and Azimuth axis, Potentiometer for the Polarization axis
Position Accuracy	± 0.065°
Display Position Resolution	0,001°
Interface to Beacon Receivers	Through DB9-Female connector
Tracking Accuracy (RMS)	Better than 10% of 3dB beamwidth
M&C Interface	Ethernet (option RS232/RS422)
Primary Supply Voltage	230 VAC ±15% 50/60 Hz
Power Consumption	300W



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