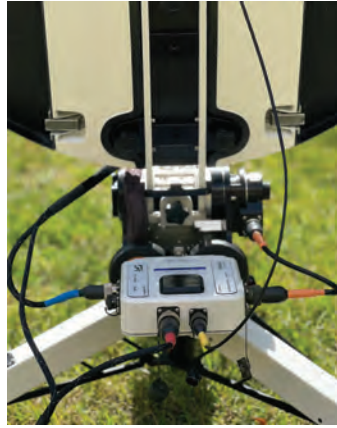


815A Motorization Kit

Satcom & Antenna Technologies Division



C100FA (C100FM with 815A Series controller)

Overview

The 815A Motorization Kit allows for upgrading the C060FM, C100FM, C125FM and C140FM from manually pointing antennas to fully automated auto-pointing antennas. The 815A control system consists of two main electronic units: (1) the motorization unit and (2) control unit.

The 815A Motorization Kit can quickly be fitted to the C060FM thru C140FM antenna systems by a field operator, providing single-button satellite acquisition. More advanced control and configuration is available via an intuitive graphical Web User Interface (UI) or remote Applications Programming Interface (API).



815A Motorization Unit & Control Unit



FEATURES:

- Multi-axis motor drivers
- Incremental AZ and optical absolute EL encoders
- Integrated bi-axial inclinometer (for tilt compensation) and GPS receiver
- High performance carbon fiber segmented antenna
- Magnetic compass
- Internal AC-DC (85 to 264 VAC, 47-63 Hz) and DC-DC (11 to 36 VDC) power supplies provided as standard configuration
- Ethernet port for web user interface access
- Supports OpenAMIP

BENEFITS:

- Upgrade path from a manually pointed antenna to auto-pointing antenna
- Supports multiple antenna sizes
- After acquisition, can be disconnected and moved to another CPI Tactical antenna
- Supports 3rd party software control via Applications Programming Interface
- Easy to install, no tools required, lightweight, portable

OPTIONS:

- Embedded DVB receiver
- Embedded beacon receiver

815A Motorization Kit

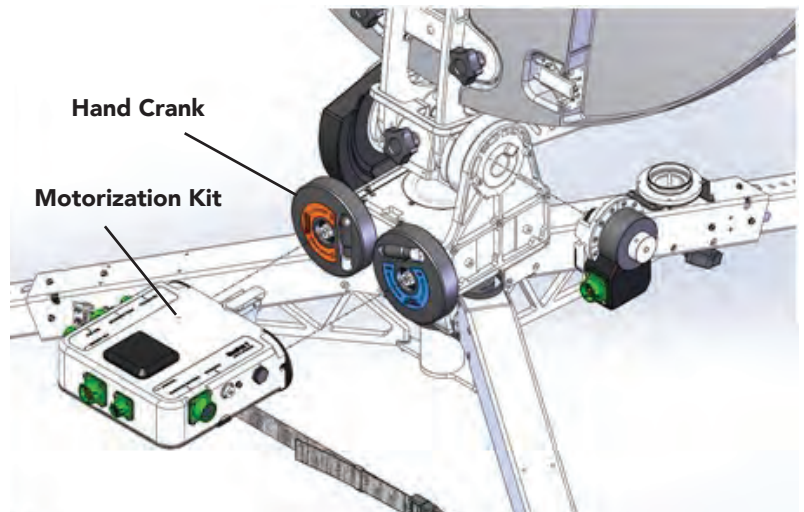
Specifications

ENVIRONMENTAL ⁽¹⁾	
Temperature - Operational	-20°C to 49°C
Temperature - Storage	-45°C to 70°C
Solar Radiation	1120W/m ² @ 49°C
Altitude - Operational	3,000m @ -10°C
Altitude - Storage	5,000m @ -30°C
IP Rating	IP65
Humidity	95% Relative Humidity

⁽¹⁾ Some specifications may vary based on the combination of equipment, options and/or upgrades ordered.



815A Motorization Unit & Control Unit



Motorization Kit Integration with Antenna Pedestal

Contact us at CustomerCareSAT@cpii.com or call us at +1 770-689-2040

The data should be used for basic information only.
Formal, controlled specifications may be obtained from CPI for use in equipment design.



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For more detailed information, please refer to the corresponding CPI technical description if one has been published, or contact CPI. Specifications may change without notice as a result of additional data or product refinement. Please contact CPI before using this information for system design. © 2022 Communications & Power Industries LLC. Company proprietary; use and reproduction is strictly prohibited without written authorization from CPI.

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