



Limited Motion Control Unit (LMCU)

LMCU Features & Benefits

- Cost-effective, affordable solution to solve the problems associated with aging, obsolete, and unsupported 886x antenna controllers
- Supports hundreds of antenna systems that utilize the 886x family of Control Systems
- The simplified design offers enhanced MTBF and maintainability and servicing
- The solution includes a site survey for deployment requirements and repair/upgrade opportunities for ongoing continuity of operations
- Supports GPS time-based operation for hyper-accurate synchronization
- Includes a built-in beacon receiver
- A standard ETHERNET interface simplifies interfacing to your existing installed systems' computer GUI displays
- No support required from your OEM equipment provider
- Offers Service Life Extension for your existing investments by providing support for OEM for years to come
- Available warranty support (in-field or return to factory)



LMCU at-a-glance

- Pedestal and Earth Coordinate Systems Monitoring and Control
- Hardware and Software Fault Indicators
- System Warning Indicators
- Axis Interlocks
- Transmit Interlocks
- Motor Interlocks
- Intelligent Drive Activation
- Software Travel Limits
- User Interface is Self-contained, WEB Based (HTML)
- Not Additional Software required for operation



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LMCU Specifications Operator Controls and Indicators

Remote Control	10/100 Base-TX Ethernet
Temperature Range	Web-based Graphical User Interface (GUI)
Operational Humidity	-30° F to + 130° F. (-37.2° C to 57.2°C) 0 to 85 % (Non-condensing)
Electrical	
Input Voltage	220 / 230 VAC
Power Consumption	350 Watts (nominal)
Mechanical	
Weight	150 lb. / 68.18 kg (est.)
Dimensions (WxHxD)	31.5x49.8x11.8 in: 800x1264x299.2 mm
Finish	Stainless Steel, NEMA 4X Rated, IP66, IK08

Time Synchronization
 Internal Clock Standard Network Time Protocol (NTP)
(Requires customer-furnished network time server on a LAN)

1PPS Standard

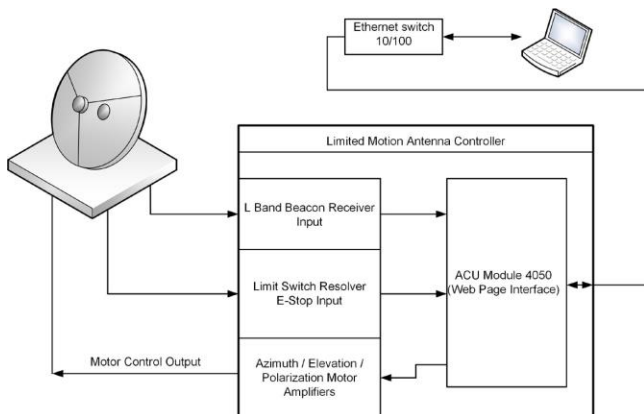
GPS Standard

Graphical User Interface (GUI)
(Requires customer-furnished PC for web-based Monitoring and Control)

ACU Control and Monitoring Features

- Power Input, 24 or 48VDC
- HTML5 Graphical User Interface (GUI) over an Ethernet link
- One built-in tracking receiver Input for step-tracking and signal strength display
- Optional GPS Receiver
- Two identical built-in induction motor drives
- EnDat 2.2 interface for three-position encoders
- Programmable I/O, Discrete indicators and switches or monitor and control of antenna hardware such as RF switches and emergency stop switches
- Two Contact Closure Outputs
- Two Analog Input for a position potentiometer
- Two Analog Outputs, ±10VDC 2ma
- E-STOP Interface
- Two Ethernet ports

Note: The ACU does not support Auto Tracking.



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