

RETU-Ex01

Remote Electrical Tilt Unit

Description	
Remote Electrical Tilt Unit	<p>AISG v1.1, v2.0 and Ericsson protocol compliant RET Unit designed to operate Amphenol Antenna Solutions SmartTilt™ antennas.</p> <p>Can be ordered pre-attached and configured with antenna. No additional work is needed in the field to commission unit.</p> <p>Can be purchased individually for field installation.</p> <p>No calibration needed. Unit contains absolute position sensor.</p>
Ordering Information	
When ordering, replace "x" in the model number with the letter that corresponds with the desired protocol.	
For AISG v1.1 protocol	RETU-EB01
For AISG v2.0 / 3GPP protocol	RETU-EG01
For Ericsson protocol	RETU-EE01
Technical Data	
Input control port	Male AISG 8-pin connector for control data and power supply of the unit
Daisy chain port	Female AISG 8-pin connector. All the 8-pins are wired to the corresponding pins of the input control connector
Connector type	IEC60130-9 Ed 3.0
Power supply	+12V (pin1) or +24V (pin 6) DC If both voltages are supplied, the unit is powered by the 24V line Compatible with 10V...30V on pin 6
Power consumption	Stand-by: 0.5 W During tilt change: 4W typical / 10 W max
Data lines	RS485
Control protocol	HDLC (level 2) and commands/responses (level 7) as per various standard, including software upgrade by the download functionality
Date rate	9.6 kbps for AISG
Tilt change duration	Typically less than 15 seconds (may depend on antenna type)
Tilt change capability	50000 minimum
Dimensions	Height: 170 mm (6.7 in) Width: 55 mm (2.2 in) Depth: 63 mm (2.5 in)
Weight	0.68 kg (1.5 lbs)
Environmental Specifications	
Cold exposure test method	IEC 6008-2-1
Heat exposure test method	IEC 6008-2-2
Operating temperature	-40° C to 65° C (-40° F to 149° F)
Rain simulation test method	IEC 60068-2-18 Test Condition Ra Method 1
Vibration test method	IEC 60068-2-6



Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.