

Optimizer RT® Protocol Adapter

Product Description

The protocol adapter is an integral part of the Optimizer RT® remote antenna control system.

The device links the PC to the AISG antenna system and is used in coordination with RFS's NEM-ALD-A software to control antenna remote tilt motors.



Features/Benefits

- Compliant with AISG 1.1 and 2.0 standards
- Control the entire RFS RET family – ACU-A11 and ACU-Axx-N
- Provide the control signal and DC power to the connected RET
- External power supply not necessary – plugs directly into an AC socket using a standard power cord
- Simple connection to any USB port of the PC – driver provided



Technical Specifications

Electrical Specifications

Power supply	Type switch mode (input voltage range from 88 to 264 V AC)
Output voltage	24V Maximum Output current: 1 amp minimum
Baud rate	9600, 38400 or 115200 bauds
Connector to RET (RS 485)	Female 8 pins circular connector conforming to IEC60130-9
Compliance to standards	<ol style="list-style-type: none"> 1. Compliant with AISG 1.1 and AISG 2.0 2. Compliant to Directive 2002/95/EC, for the Restriction on the use of Hazardous Substances (ROHS) in electrical and electronic equipment. 3. EMC: <ul style="list-style-type: none"> <i>Emission:</i> Conducted emission (150 kHz-30 MHz), Radiated emission (EN55022, 30 MHz-1 GHz Class B) and FCC part 15 <i>Immunity:</i> Electrostatic discharges (EN 61000-4-2); RF electromagnetic field (EN 61000-4-3); fast transient common mode DC port (EN 61000-4-4); surge performed on the power supply (EN 61000-4-5); radio frequency (EN 61000-4-6); voltage dips and interruptions on power supply (EN 61000-4-11)

Mechanical Specifications

Dimensions, mm (in)	115 x 60 x 30 (4.52 x 2.36 x 1.18)
Weight, kg (lb)	0.284 (0.628)
Lifetime	More than 10000 operations (RET full range tilt setting)

Ordering Information

PA-USB/485	Protocol Adapter, USB connection, AISG compatible
CA015-1	AC power cord for protocol adapter – Europe and Asia
CA015-2	AC power cord for protocol adapter – North America
CA015-3	AC power cord for protocol adapter – Australia and New Zealand
PA-USB/485-1	PA with CA015-1 cord – Europe and Asia
PA-USB/485-2	PA with CA015-2 cord – North America
PA-USB/485-3	PA with CA015-3 cord – Australia and New Zealand

All information contained in the present datasheet is subject to confirmation at time of ordering.