Product Specifications

COMMSCOPE®

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Teletilt® RET Actuator

Remotely change the electrical downtilt of an antenna with this AISG compliant RET actuator.

This AISG compliant Teletilt RET actuator enables operators to remotely change the electrical downtilt of an antenna.

The ATM200-A20 is shipped in AISG 2.0 mode. In the field, the actuator can be set to AISG 1.1 or 2.0 as needed.

The actuator's absolute position sensor eliminates the need for calibration, enhances precision and prevents dropped calls caused by calibration sweeps. Male and female AISG connectors facilitate daisy chaining actuators. As many as 32 actuators can be attached to a single control line.

This actuator is equipped with a flashing LED, which indicates data transfer and tilt movements. It comes in a weather resistant gasket-sealed container that has a drain hole to permit drainage of condensed moisture.

The ATM200-A20 actuator can be field fitted onto Andrew Teletilt remote electrical downtilt (RET) compatible antennas that are already in service or factory fitted before delivery to the field.

The part number for antennas with a factory-fit ATM200-A20 actuator ends in -AxM, with x referring to the number of the attached actuators (either –A1M or –A2M).

- Allows remote electrical tilt (RET)
- Conforms with AISG 1.1 and 2.0
- Ships in AISG 2.0 mode

Product Specifications

ATM200-A20

Teletilt® Actuator, AISG 2.0 default protocol

- Connects to the base station antenna for remote electrical tilt
- Factory set to AISG 2.0 mode
- Can be field reset to AISG 1.1
- Absolute position sensor eliminates the need for calibration
- LED indicates tilt movement

General Specifications

Brand	Teletilt®

Electrical Specifications

Protocol	AISG 1.1 | AISG 2.0
Default Protocol	AISG 2.0
Interface Protocol Signal	Data | dc
Input Voltage	10–30 Vdc
Adjustment Cycles, minimum	10000 cycles
Adjustment Time, full range, maximum	22 s
Electrical Safety Standard	EN 60950 | UL 60950
Electromagnetic Compatibility (EMC)	CFR 47 Part 15, Subpart B, Class B | EN 55011 | EN 61326-1 | ETS 300 386 V1.3.2 2003
EU Certification	CE

Mechanical Specifications

AISG Input Connector	8-pin DIN Male
AISG Input Connector Quantity	1
AISG Output Connector	8-pin DIN Female
AISG Output Connector Quantity	1
Color	Black
Material Type	ABS
Lightning Surge Capability	5 times @ -3 kA 5 times @ 3 kA
Lightning Surge Capability Test Method	IEC 61000-4-5
Lightning Surge Capability Waveform	1.2/50 voltage and 8/20 current combination waveform

Environmental Specifications

Climatic Sequence Test Method	IEC 60068-2-14
Cold Exposure Test Method	IEC 60068-2-1
Corrosion Test Method	IEC 60068-2-11, Test Condition Ka | IEC 60068-2-52, Test Condition Kb
Damp Heat Exposure Test Method	IEC 60068-2-30, Test Condition Db
Heat Exposure Test Method	IEC 60068-2-2
Ingress Protection Test Method	IEC 60529:2001, IP56
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Packaged Product Shock Test Method	ASTM D4169 | GR-63-CORE, Section 4.1.1

Product Specifications

ATM200-A20

Rain Simulation Test Method	IEC 60068-2-18, Test Condition Ra, Method 1
Relative Humidity	Up to 100%
UV Resistance Test Method	IEC 60068-2-5, Test Condition B
Vibration Test Method	ASTM D4169 | IEC 60068-2-6

Dimensions

Width	71.1 mm | 2.8 in
Depth	53.3 mm | 2.1 in
Height	203.20 mm | 8.00 in
Net Weight	0.2 kg | 0.5 lb

Regulatory Compliance/Certifications

Agency	Classification
AISG	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system