Data Sheet

HUBER+SUHNER

Remote Control Unit (RCU)
86010148V01

Description

Installation Equipment for Special Communication Antennas:
Remote Control Unit (RCU) with adjustable electrical down-tilt and appropriate mechanical interface.

- Compliant to AISG 1.1 and 3GPP/AISG 2.0
- Daisy Chain feasibility
- Compact size
- Suitable for operation under outdoor conditions
- Prepared for automatic configuration and calibration

Technical Data

Mechanical Data

Environmental Data

Standards:
EN 60950-1 (Safety)
EN 60950-22 (Safety - Equipment installed outdoor)
EN 55022 (Emission)
EN 55024 (Immunity)
ETS 300019-1-4 (Environmental)
UL 60950-1 1st edition

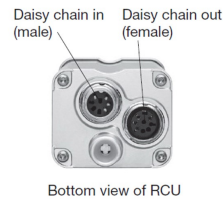EU-RED: In compliance with Directive 2014/53/EU

Related Documents

Security instruction	DOC-0000278984

Additional Information

Scope of supply: Remote Control Unit, Assembly paste

Data Sheet

HUBER+SUHNER

Remote Control Unit (RCU)
86010148V01

Type No.		**86010148v01**
Protocols		compliant to AISG 1.1 and 3GPP/AISG 2.0
Logical interface ex factory [1]		3GPP/AISG 2.0
Input voltage range	V	10 ... 30 (pin 1, pin 6)
Power consumption	W	< 1 (stand by); < 10 (motor activated)
Connectors [2] [3]		2 x 8 pin connector according to IEC 60130-9; according to AISG Daisy chain in: male; Daisy chain out: female
Hardware interfaces		RS 485A/B (pin 5, pin 3); power supply (pin 1, pin 6); DC return (pin 7); according to AISG / 3GPP
Adjustment time (full range)	sec	40 (typically, depending on antenna type)
Adjustment cycles		> 50,000
Temperature range	°C	–40 … +60
Protection class		IP 24
Lightning protection		AISG interface (each pin) 2.5 kA (10/350 µs) 8 kA (8/20 µs)
Housing material		Profile: Aluminum anodized; cover: Aluminum die cast coated
Weight	kg lbs	0.5 0.99
Packing size	mm inches	245 x 93 x 102 9.6 x 3.6 x 4
Dimensions (H x W x D)	mm inches	177.5 x 59.5 x 49.5 7.0 x 2.3 x 1.9

Daisy chain in (male) Daisy chain out (female)

Bottom view of RCU

[1] The protocol of the logical interface can be switched from 3GPP/AISG 2.0 AISG 1.1 to with a vendor specific command. Start-up operation of the RCU is only possible in a RET system supporting 3GPP/AISG 2.0!
The protocol can also be changed as follows: 3GPP to AISG 1.1: Enter "AISG1" into the additional data field "Installer's ID" and perform a layer 2 reset or a power reset. AISG 1.1 to 3 GPP: Enter "3GPP" into the additional data filed "Installer's ID" and perform a layer 7 reset or a power reset. After switching the protocol any other information can be entered into the "Installer's ID" field.

Please note:
If the Primary of the RET system doesn't support the standard of the 'logical interface ex factory', the RCU must be switched to the appropriate standard of the Primary before installation. Please contact us for further information.

[2] The tightening torque for fixing the connector must be 0.5 – 1.0 Nm. The connector should be tightened by hand or using the torque screwdriver (85010080) as described in the connecting cable data sheet (85010007, ...)

[3] The RCU gets the information stored in the antenna after power on automatically if a corresponding antenna is used. In this case, it is not necessary to configurate the RCU manually.

www.hubersuhner.com