

Remote Control Unit (RCU)
86010148V01

Properties

- 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



Mechanical data	
Weight	0.5 kg
Dimensions	177.5 mm x 59.5 mm x 49.5 mm (Heigth x Width x Depth) Housing material - Profile: Aluminum anodized; cover: Aluminum die cast coated Packing size (mm) - 245 x 93 x 102
Remarks	Protocols: compliant to AISG 1.1 and 3GPP/AISG 2.0 Logical interface ex-factory (1): 3GPP/AISG 2.0 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): 40 sec (typically, depending on antenna type) Adjustment cycles > 50,000
	Lightning protection: AISG interface (each pin), 2.5 kA (10/350 μs), 8 kA (8/20 μs) (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.

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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 configure the RCU manually.

Environmental data

Operation temperature	-40 °C ... 60 °C
Ingress protection (IP Rating)	Mated / IP24

Additional Information

Scope of supply: Remote Control Unit, Assembly paste

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