

Pluggable Remote Control Unit (RCU) for Tongyu Variable Electrical Tilt basestation antennas, with adjustable electrical downtilt

- Pre-Configuration
- Exchangeable
- AISG 2.0/3GPP compatibility
- Ready for daisy chain connection/Cascade
- Suitable for Tongyu Tri-band, Quad-band and Penta-band antennas



Electrical specifications	
Product number	TRCU-TQ10P2V01
Standard Protocol	AISG 2.0/3GPP
AISG device type	Single - RET(0x01) or Multi - RET(0x11) *
Input voltage range	10 ~ 30 VDC
Power consumption	≤ 1W (Idle) ≤ 6W (In motion)
Connectors	2 x 8 pin connector: RS 485A/B (Pin 5, Pin 3); Power supply (Pin 1, Pin 6); DC return (Pin 7); N/C (Pin 2, Pin 4, Pin 8) Daisy chain in: Male Daisy chain out: Female
Hardware interfaces	RS-485A/B complies with AISG/3GPP or IEC 60130-9
Data rate	9.6 kbps
Firmware	Remotely upgradeable by .bin or .xml file
Adjustment time (full range)	≤ 4Mins (typically, depending on antenna type)
Adjustment cycles	> 50,000 times
Mechanical specifications	
Dimensions(mm)	98×62×33
Weight(kg)	0.25
Housing material	Aluminum, coated Connector: Zinc alloy with polyester powder, coated varnished housing (RAL 7035, Orange grey)
Environmental specifications	
Operating temperature	-50 ~ 60 °C
Storage temperature	-50 ~ 60 °C
Lightning protection	3KA (8/20μs) @ Pin 5& Pin3 5KA (8/20μs) @ Pin 1, Pin 6 & Pin7



*The default Single-RET can be switched to multi-RET by firmware update.

Notes:

- Install RCU according to installation manual

-Tongyu variable electrical tilt Tri-band, Quad-band and Penta-band antennas named as "xxDEI-xx"only, please refer to Tongyu's market supporter for more information