

Data Sheet

PROSE

Embedded Control Unit

ECU-ACT-XXX

Main Features

Embedded Control Unit (ECU) for PROSE antennas with adjustable electrical downtilt and appropriate mechanical interface

- Compliant to 3GPP/AISG 2.0 standards
- Can management from OMC, BTS/NodeB, external tools...
- Compact size. Daisy chain feasibility
- Easy mounting, directly onto Antenna, continuously adjustable
- Remote software upgradable
- Support 1~5 Channel Actuator
- Comply to RoHs, CE standards



Electrical Data

Protocol	3GPP/AISG 2.0
Tilt Accuracy	±0.5°
Input voltage range	10...30 V DC(pin6)
Power consumption	< 1 W (stand by); <10 W (motor activated)
Hardware interfaces	RS 485A/B(pin 5, pin 3); power supply (pin6); DC return(pin7);
Adjustable time (full range)	90 sec (typically, depending on antenna type)
Adjustable cycles	> 50,000
Electrical Safety standard	EN 60950, UL60950
Lightning Protection	IEC 61000-4-5, AISG interface (each pin) ≥ 2.5kA (10/350µs) 8 kA (8/20 µs)

Environmental Data

Operating temperature range	-40°C to +60°C
Storage temperature range	-40°C to +70°C
Protection class	IP65(with antenna).

Mechanical Data

Connector Type	Daisy chain in 8 pin(3 spare) male connector according to IEC 60130-9 Daisy chain out 8 pin female connector according to IEC 60130-9
Color	RAL7035 cool grey
Dimensions	204X130X42 mm(typical, depending on motor quantity)
Weight	480 g(typical, depending on motor quantity)
Housing material	Aluminum Alloy

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Checker	Approved	Date	Rev.	Engineering Change Number	Name	Date
KS.C	06/02/18	J.Z	X.S	06/02/18	1.0		Y.Z	06/02/18