

Antenna Control Unit ACU

Possible integration with any motorized FlyAway antenna system (after adjustment).

Provides automated antenna pointing using signal of operator's choice (DVB-S / Beacon / modem).



Military-grade but lightweight and ergonomic design – reliable construction in all conditions, IP67 rating.

ACU by GISS is an outdoor antenna control unit dedicated for SMART terminals and other motorized FlyAway antenna systems.

Deliberate design provides tool-less installation on the antenna, while intuitive User Interface ensures quick antenna pointing and VSAT system management.

Advantages:

- Possible integration with any motorized FlyAway antenna system (after adjustment).



- Fiber-optic and No-IDU options – tool-less installation of additional FO or Modem module.



- Provides automated antenna pointing using signal of the operator's choice (DVB-S / Beacon / modem).
- Local GUI for terminal monitor and control (antenna, BUC, LNB).
- Built-in complex alert system – fault detection in a particular module.
- Intuitive WEB interface for system management and diagnostics.



- Implemented modem management.
- Automated working band detection.

Antenna Control Unit technical specification

Key interfaces

User interface	Display + Keyboard + LEDs
	WEB interface
RF connectors	1x N-type connector for BUC
	1x N-type connector for LNB
	1x SMA connector for Rx signal monitoring
L-Band connectors	1x N-type connector for modem Tx
	1x N-type connector for modem Rx
M&C connectors	1x ETH for ACU and modem management
	1x M&C connector for BUC management
	1x M&C connector for FO or No-IDU Modem module
Other	1x SMA connector for 10 MHz delivery
	Connectors for antenna positioning (engines, sensors) & power delivery

Environmental

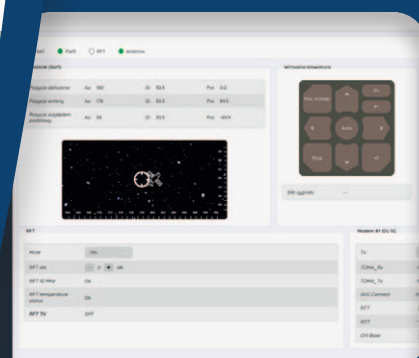
Standard compliance	MIL-STD 810
Operating temperature range	-30 °C to 50 °C (-22 °F to 122 °F)
Storage temperature range	-40 °C to 60 °C (-40 °F to 140 °F)
IP rating	IP67

Mechanical parameters

Size	32 cm x 27 cm x 10 cm (12.6 in x 10.6 in x 3.9 in)
Weight	5.5 kg
Mounting system	Tool-less, with latches

Electrical

Power input	80 – 240 VAC, 45 – 63 Hz
Power consumption	20 W



Custom options

Built-in 10 MHz reference
for BUC and LNB

Built-in
Spectrum analyzer

Built-in
Beacon Receiver

Built-in
DVB-S2 receiver

Additional FO module transmitting:

- 2x L-Band (Rx and Tx) signals
- 10 MHz reference signal
- 1x Gb ETH

Additional No-IDU
Modem module, with
fiber optic option
for ETH connection

