



ACS900KA-C

Dual Speed Control System for 9.0m Ka-Band Earth Station

Antenna control systems are supplied only for **Motorized** Earth Station Antennas. Manual Earth Stations do **NOT** require a control system.

To select the correct Anchor Earth Station Antenna model for the control system, please refer to the corresponding antenna aperture, band, and drive mode.

For example, ACS900KA-C is compatible with [ESEC900KA2A](#) and [ESEC900KA4A](#).



KEY SPECIFICATIONS

Band	Ka-Band
Drive Speed	Dual speed (High and Low)
Structural Form	3-axis, separate ACU/ADU

ANTENNA SPECIFICATIONS

Angle Display resolution	0.01°
Angle Display Range	0 - 360°
Antenna Aperture	9.0m
Encoder Accuracy AZ	0.01°
Encoder Accuracy EL	0.01°
Encoder Accuracy POL	0.08°
Preset Satellite	ACU supports 50 satellites; ADU supports 10 satellites
Tracking Accuracy	1/10 reception beamwidth
Type	Dual speed, separated ACU and ADU control system, including equipped dual AZ motors control route

ELECTRICAL SPECIFICATIONS

Power Consumption	3500W
Power Supply	ACU: AC 220V±10%, 50/60Hz; ADU: AC 380V±10%, 50/60Hz

INTERFACE SPECIFICATIONS

Remote Interface	RJ-45 network(optional fiber interface)
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ENVIRONMENTAL SPECIFICATIONS



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Safety

1. Soft and hard limits provide guarantee for the safe operation of the antenna; 2. The cables are all flame retardant series cables; 3. Each rotating shaft is equipped with an independent circuit breaker, which further improves the safety of the system.

Temperature Operational

-20 - 60°C

Temperature Operational Cable

-20 - 60°C; low-temperature cable: -30 - 90°C

PHYSICAL SPECIFICATIONS

Product Dimension

Standard Chassis 6U

Product Dimensions (LxWxH)

560 x 340 x 1400 mm

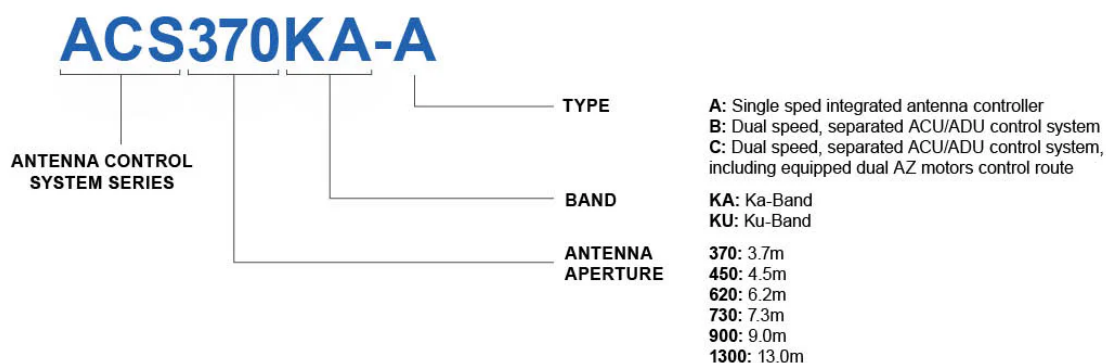
Standard Configuration

Antenna control unit, antenna drive unit, beacon tracking receiving unit, photoelectric encoder, flame retardant cable and connectors

LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8529109090	Made in China	Richmond, BC, Canada		

HOW TO ORDER



MECHANICAL DIAGRAMS



AZ
151.56

EL
36.01

AGC
0.00

IP
PORT

Latitude and Longitide
Longitude
Latitude

Software Limits
AZ CW AZ CCW
EL UP EL DOW

Limit State

• Sat Guide
Satellite:
Longitude:
Frequency:
Select:

• Manual

• Position Guide
AZ Angle:
EL Angle:
POL Angle:

• Track

• Scan

The control device is connected!2022-05-16 15:56:17