



ACS-101

Antenna Combiner/Splitter

The ACS-101 (Antenna Combiner-Splitter 10-to-1) is an amplified and filtered broadband splitter-combiner. It allows up to ten UHF base stations to use only one transmit and one receive antenna. The antenna combiner section contains innovative hybrid coupling, amplifying and matching technology to combine ten transmitters to one output with very low intermod distortion. The antenna splitter section has broadband input filtering and amplification to maintain signal levels through the splitters. High output isolation between ports is also achieved. The industrial strength power supply of the ACS-101 supplies voltage and current to two outputs on the product. Each output can supply up to 5 amps at 12 VDC.

Features

Ideal for use with BTR-1, RKP-4B, BTR-500, BTR-600, & BTR-700 wireless intercom systems.

Two power outputs to supply up to 10 transceivers

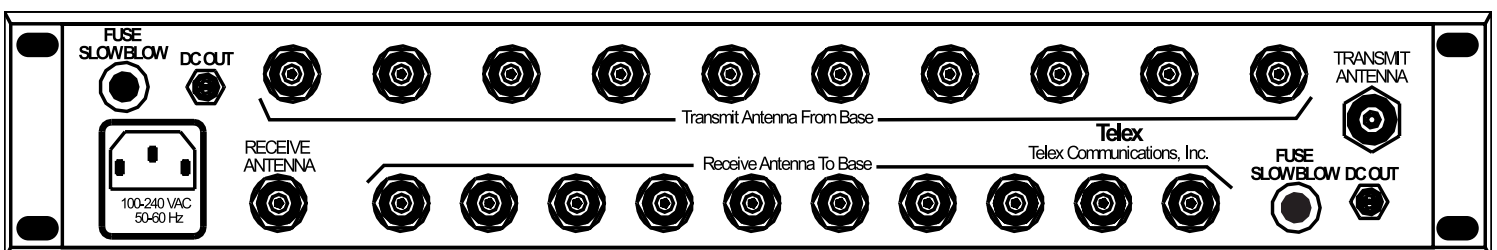
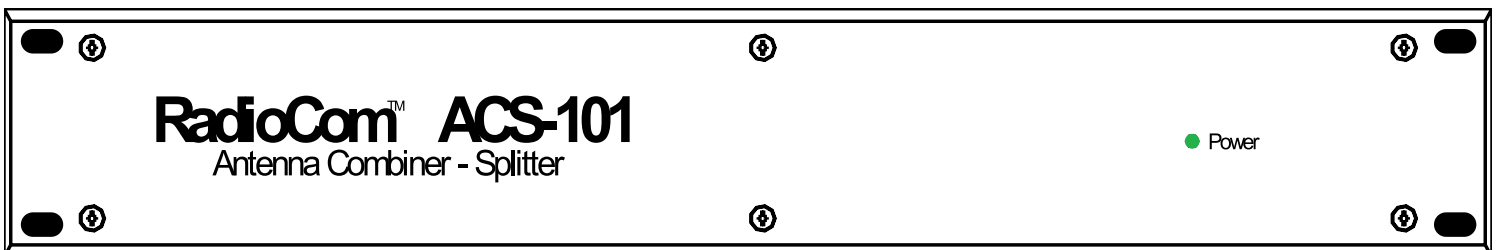
Standard IEC 320 Power Input Connector

115 VAC or 230 VAC Operation

High-Quality TNC connectors for consistent impedance across the entire frequency range.

Rack mount brackets included for 19" (482.6mm) rack

Line Drawing



ACS-101 Specifications

Overall

Antenna Connectors

Standard TNC Receptacles

AC Input Power

100 - 120 VAC, 60 Hz, 6A max

AC Input Fuse

10A, 250V, 3AG

DC Output Power

12 VDC, 5A for each output

DC Output Jacks

Two, 5.5mm x 2.1mm Jacks

DC Output Fuses

5A, 250V, 5mm x 20mm

Antenna Splitter

Frequency Range

614 - 746 MHz

Output IP3

Greater than 30 dBm

Net Gain

0 dB Typical

Noise Figure

Less than 4.5 dB

Minimum Isolation

20 dB between adjacent ports.

Greater than 20 dB between non-adjacent ports

Antenna Combiner

Frequency Range

470 - 608 MHz

Net Gain

0 dB (Maximum)

Noise Figure

10 dB Typical

Output IP3

-55 dBc @ + 17 dBm input on each transmitter

Product Dimensions/Weight

ACS-101

16.75"W x 3.50"H x 14.63"D

(42.75cm x 8.89cm x 37.16cm),

10 lbs 4 oz (4.65 kg)

Shipping Dimensions/Weight

ACS-101

21"W x 6"H x 19.5"D

(53.34cm x 49.53cm x 15.24cm),

17 lbs 6 oz (7.88 kg)

Contact Information

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Ordering Information

ACS-101

Antenna Combiner/Splitter

Catalog Number: 7190001

This specifications information is preliminary and is subject to change without notification.

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