

ACOM

ACOM 2S1

Automatic XCVR Commutator



OUTSTANDING HF POWER PRODUCTS

MAIN FEATURES

The ACOM 2S1 is a TX/RX commutator that allows two transceivers to use a common load. It guards each transceiver's input while the other transceiver transmits, prevents simultaneous transmission, and allows simultaneous reception.

ACOM 2S1 commutator is a universal device that can be integrated into any radio system. For example, ACOM 2S1 may be used to commutate an antenna only.

Operation is fully automatic and the full break-in (QSK) mode is standard.

Historically, ACOM 2S1 was designed to complete the ACOM 2000A automatic HF linear amplifier, together with ACOM 2000S automatic antenna selector plus ACOM 2000SW remote antenna switch.

PROTECTIONS

- One transceiver's input is grounded while the other transceiver transmits
- Simultaneous transmission is prevented
- T/R sequencing and RF relay contacts are continuously monitored.

FREQUENCY COVERAGE

All amateur bands 1.8-54 MHz

THROUGH-LINE POWER

Up to 200 W PEP or continuous carrier

INPUT AND OUTPUT IMPEDANCES

- Nominal value: 50 Ohm unbalanced, UHF (SO-239) type connectors
- VSWR below 1.1:1 (1.8-54 MHz) and below 1.2:1 up to 80 MHz

POWER SUPPLY

- 11-14 VDC (fed from transceivers)
- Less than 30 mA consumption

SIZE & WEIGHT

Operating (excluding connected cables)
WxDxH: 110x42x67 mm, 0.25 kg
(4.4x1.7x2.7 inches, 0.6 lbs.)

OPERATING ENVIRONMENTS

- Temperature range: 0...+50 °C (32 °F to 122 °F)
- Relative air humidity: up to 95% @ +35 °C (95 °F)



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