

ACOM 2000SW

REMOTE ANTENNA SWITCH



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REMOTE 10 WAY ANTENNA SWITCH

FEATURES

- Anti-hot switching self-protection for reliable contact operation
- Gold plated and bifurcated contacts for excellent reception (no contact-derived cross-modulation phenomenon)
- Teflon (PTFE) insulated connectors for 100% duty cycle (continuous) operation
- Flat coaxial line construction for excellent VSWR and crosstalk isolation.
- Grounds unused antennas during operation for excellent crosstalk isolation; after switching off, all antennas are automatically grounded for assuring maximum lightning safety.
- "Ready to transmit" parallel output signal for maximum operating flexibility.
- Control is compatible with other systems via BCD input code; may be easily controlled via a simple BCD-coding manual switch and 27V DC power supply.
- Control and power supply can be delivered from ACOM 2000S automatic antenna selector, directly compatible with ACOM 2000A automatic HF linear amplifier.



SPECIFICATIONS

Technical specifications :

- Switching capacity: 10 antennas to 1 output.
- Operating frequency range: 0 to 60MHz continuously.
- Nominal impedance: 50 Ohm unbalanced, UHF type SO239A PTFE connectors.
- Nominal power (continuous carry):
for 0 to 30MHz: 5000W @ VSWR 1:1
2500W @ VSWR 2:1
1600W @ VSWR 3:1
up to 60MHz: 3600W @ VSWR 1:1
1800W @ VSWR 2:1
1200W @ VSWR 3:1
- Mismatch VSWR: for 0 to 1.8MHz - better than 1.02:1
up to 30MHz - better than 1.08:1
up to 60MHz - better than 1.20:1
- Crosstalk isolation: for 0 to 1.8MHz-better than -100dB
up to 30MHz - better than -70dB
up to 60MHz - better than -66dB

- Operating time: less than 0.15 seconds including bounces.
- Power supply: +27V (+15% -10%), 150mA DC consumption.
- Control: 4-bit parallel BCD code (inverted BCD internally selectable); 27V/25mA control bit levels.
- Control cable considerations: 6x0.2mm² (6xAWG24/SWG25) shielded together, 50m (165 feet) maximum length; other cables may be selected proportionally, i.e. 125m for 6x0.5mm² or 18m for 6x0.07mm² (400 feet for 6xAWG20/SWG21 or 60 feet for 6xAWG28/SWG30).
- Protection degree: IP53
- Operating temperature range: from -30 to +60 oC
- Dimensions: 160mm (6-1/3") diameter, 110mm (4-1/3") height
- Weight: 2.2kg (4.85 lbs).

AUTOMATIC ANTENNA SELECTOR ACOM 2000S

Both ACOM2000SW and ACOM2000S operate and are sold together



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