



Ground-to-Air Radio S80198

- 19 Inch Mount Rack
- Fully Synthesized



The ground-to-air Radio transmitter is a single channel remotely controlled, fully synthesized, 19 inch rack mount VHF/AM stand alone components which operate over the frequency range of 117.975 MHz to 138.000 MHz, with 25 KHz channel spacing.

This transmitter is intended for use in applications where remote transmitter and receiver sites are not co-located. This model is 7 Watts and it is supplied as standard with a 20 dB transmitter isolator to reduce transmitter inter-mod in areas of high RF density.



Technical Specifications

S80198

POWER REQUIREMENTS:

7 Watt Transmitter
AC Input Voltage/Current 100 to 132 VAC @ 1.0 Amp
DC Input Voltage/Current 11.5 VDC to 15 VDC @ 3.5 Amp

POWER OUTPUT:

7 Watt Transmitter 5-10 Watts

Microphone Compression Range35 dB
Battery Charger Voltage & Current..... 27.5 Vdc, 3.5 Amps MAX

REMOTE CONTROL:

Remote Audio Input 2 wire, balanced 600 Ω lines
Remote Tx Timeout 30 to 300 seconds
Tone Keying:
Impedance 600 Ω floating with respect to ground
Tx Control Tone.....Selectable 1800 Hz to 3000 Hz
Tx Tone Input Level 0 to -40 dBm
Tx Tone Control Response Time<12 milliseconds
DC Keying \pm 48 Vdc
Loop Resistance 10 K Ω MAX
Ground Keying Closure to Ground
Loop Resistance 4 K Ω MAX
TX Interface Signals:
TX RF Output SignalRF ON=Ground,RF OFF=Open Circuit

Temperature & Humidity:

Operating Temperature Range -25EC(-13EF) to +55EC(+131EF)
Storage Temperature Range -55EC(-67EF) to +65EC(+149EF)
Relative Humidity 100%

Dimensions & Weight:

Width 483 mm (19.0 in) MAX
Height 89 mm (3.5 in) MAX
Depth 432 mm (17.0 in) MAX
Weight 6.3 Kg (14 lbs) MAX