



Southern Avionics^â Company's MR-5 Monitor Alarm Receiver

Specifications:

Compliance: The MR-5 complies with all applicable FCC and ICAO requirements and recommendations for the monitoring of low frequency radio navigation transmitters.

Frequency Range: Supplied in one of 5 available bands (190-245kHz, 245-315kHz, 315-415kHz, 415-535kHz, 535-650kHz).

Sensitivity: Better than 3µV with 20 dB S+N/N with 30% modulation.

Selectivity: Bandwidth less than 4 kHz at -6dB, from 190-535 kHz. Bandwidth less than 6 kHz at -6dB, from 535-650 kHz

Antenna Input: BNC connector, nominal 50 ohms.

Outputs: Signal level meter calibrated in dB, and in percent of transmitter power. Audio output, 1 watt maximum into the 8 ohm front panel speaker . Optional external audio output available. Alarm relay contact, 1 form C (SPDT); contacts rated 2A 28VDC, 1A 115VAC, resistive load. Fail and normal LEDs. Audio tone alarm.

Signal Conditions Resulting in an Alarm Conditions: Reduced carrier level (adjustable), reduced modulation level (3dB), continuous tone modulation, frequency drift greater than 2 kHz.

Alarm Delay: Variable, 5 seconds to 40 seconds.

Size: Standard Unit: 8.2" (22 cm) wide, 4.56" (12 cm) high, 10.95" (28 cm) deep. Rack Mount Unit: 19" (48 cm) wide, 5.25" (13 cm) high, 11" (28 cm) deep.

Power: 115/230VAC ±15%, 60VA, 50/60 Hz, 15 to 38VDC.



