



# Southern Avionics Company

## MR-5 Monitor Alarm Receiver

Part Number: SLF400XX\*

\*XX replaced when frequency is assigned at time of purchase

SPECIFICATION SHEET

5055 Belmont, Beaumont, TX 77707  
 Phone +409.842.1717/1.800.648.6158 (Toll Free in the US)  
 Fax +409.842.2987  
 sales@southernavionics.com



Desk Top	
Feature	Specification
Height	5 in. (12cm)
Depth	11 in. (28cm)
Width	8 in. (22cm)
Weight	6 lbs. (3kg)



Rack Mount	
Feature	Specification
Height	5 in. (12cm)
Depth	11 in. (28cm)
Width	19 in. (48cm)
Weight	6 lbs. (3kg)

FEATURE	SPECIFICATION
Frequency Range (5 available bands)	190-245 kHz, 245-315 kHz, 315-415 kHz, 415-535 kHz, 535-650 kHz
Sensitivity	Better than 3 uV with 20 dB S+N/N with 30% modulation
Selectivity	Less than 4 kHz at -6 dB, from 190-535 kHz, Less than 6 kHz at -6 dB, from 535-650 kHz
Antenna input	BNC connector, nominal 50 Ohms
Alarm delay	Variable, 5-40 seconds
Power	115/230 VAC±15%, 6 VA, 50/60 Hz, 15 to 38 VDC
Additional Equipment	Loop Antenna (connection cable included)
Compatibility	All NDBs ranging from 190-650 kHz

\*Information provided is subject to change without notice

### Application:

The SAC MR-5 Monitor Receiver with Loop Antenna fulfills FAA requirements for "off the air" monitoring.

### Outputs:

Signal level meter calibrated in dB, and in percent of transmitted power. Audio tone alarm, 1 Watt maximum into the 8 Ohm front panel speaker. Alarm relay contact, 1 form C (SPDT); contacts rated 2 amp 28 VDC, 1 Amp 115 VAC, resistive load. Fail and Normal LED's.



Loop Antenna: SLF40008	
Feature	Specification
Height	24 in. (61cm)
Width	23 in. (58cm)
Weight	9 lbs. (4kg)

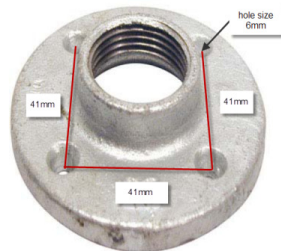
**Application:**

The loop antenna supports the MR-5 Monitor Receiver and together fulfills the FAA requirements for “off the air” monitoring.

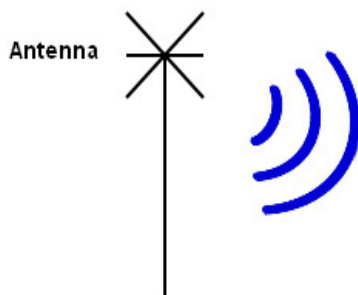
The body of the antenna is made of aluminum.

The loop antenna connects with the MR-5 with a 50 ft. (15m) RG58 cable with BNC connector.

There are four frequency ranges available for the Loop Antenna to correlate with the frequency ranges for the MR-5: 184-237 kHz, 215-305 kHz, 297-470 kHz, 412-680 kHz.



MR5 Flange



Loop Antenna

MR-5 Monitor Desktop

Rear view of MR-5

