

MODEL AF315 AM RECEIVER/MONITOR

GENERAL:

The Model AF315 is a precision AM (mono) broadcast receiver designed for EAS or other monitoring purposes. The receiver is PLL (phase lock loop) controlled. The frequency of operation is selected using internal DIP switch combinations. A continuous LINE receiver output (adjustable) is provided as well as a SPKR audio output for driving an 8 Ohm monitor speaker. The receiver is designed for the most demanding sensitivity, distortion, and signal to noise requirements. There are Carrier and Modulation indicators. Balanced audio output as well as Carrier Level operated Relay outputs are available as an option.



AF315 AM Receiver: Front View;
Rear View (Relay Optional)(DIN)

The receiver circuit board has 10 VDC automotive style regulators. Input power is derived from wall mounted power converters (115 VAC to 12VDC, 300mA) or other 12 VDC sources. The receiver is housed in a metal case or configured as one receiver in the AFC3 multiple receiver rack mount chassis.

SPECIFICATIONS:

Tuning Range:	530 to 1750 KHz, selected by internal DIP switch. (10KHz and 9KHz steps)
Antenna Input:	"F" connector
Sensitivity:	3.0 micro Volt with 80% modulation, 20 dB S/N
Selectivity:	60 dB (+/- 10 kHz)
Audio Response:	3700Hz (-10dB); (other audio bandwidth filters available)
Distortion:	<1.0% THD at 80% Mod
Maximum Input Level:	1.0 V @ 80% Mod for <1% THD
S/N @ 80% Modulation:	48 dB @ 1mV 50 dB @ 10 mV
LINE Output:	1.1 VP into 600 Ohms (Adjustable) (0dBm +/- 6dB)

POWER REQUIREMENTS:

115 VAC to 12VDC, 300mA (converter provided)

CONTROLS:

VOL Control:	Rear Panel Mount Screwdriver adjust
Carrier Level Relay:	Internal Adjust (RV2)
LINE Level	Internal Adjust (RV3)

INDICATORS:

Carrier:	Front Panel mount LED
Modulation:	Front Panel mount LED
Power:	Front Panel mount LED

SIZE:

Metal Case Size:	6.0"W x 8"D x 1 3/4"H Weight 1.5 lbs
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OPTIONS AVAILABLE:

Option -MF 19" front panel rack mount (1 3/4")
Option -B Balanced LINE output via DIN connector
Option -R Carrier operated Relay via DIN connector
AF315 can be selected as one of the receivers in the AFC3 package (options B & R are standard in the AFC3).

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