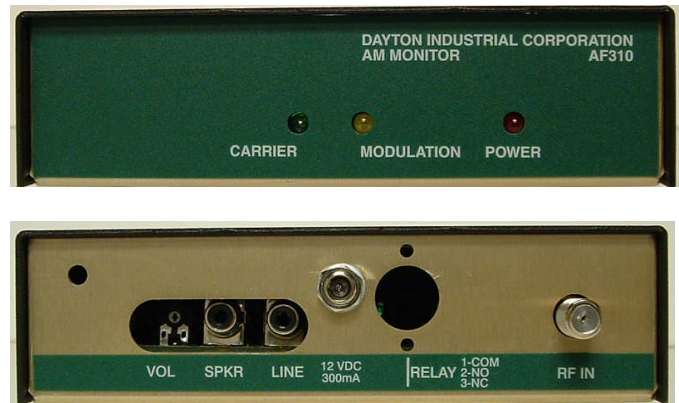


## MODEL AF310 AM RECEIVER/MONITOR

### GENERAL:

The Model AF310 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 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 options.



**AF310 AM Receiver:** Front View;  
Rear View (Receiver w/o Relay Option )(DIN)

The receiver circuit board has 10 VDC automotive style regulators. Input power is derived from wall mounted power converters (115 VAC to 12VDC) 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.
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 @ 30% Modulation:	48 dB @ 1mV 50 dB @ 10 mV
LINE Output:	1.0 V rms, 600 Ohms
SPKR Output:	0.3 Watt into 8 Ohms

### POWER REQUIREMENTS:

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

### CONTROLS:

VOL Control:	Rear Panel Mount Screwdriver adjust
Carrier Level Relay:	Internal Adjust

### 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  
 AF310 can be selected as one of the receivers in the AFC3 package (options B & R are standard in the AFC3).

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