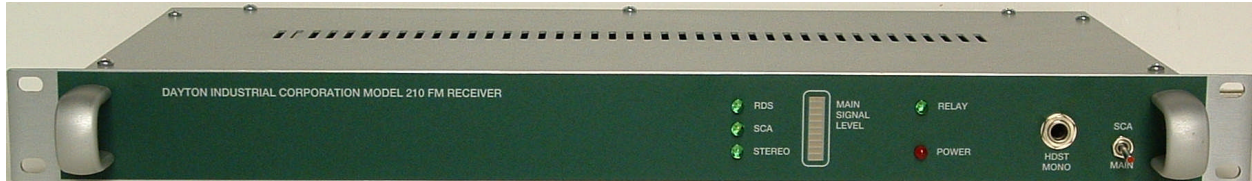


MODEL AF210-FM FM/STEREO RECEIVER/MONITOR BASIC DATA

GENERAL:

The Model AF210-FM is a precision FM broadcast receiver with stereo demodulator designed for the most demanding sensitivity, low distortion and best signal to noise requirements. The Model AF210-FM is single channel with PLL (synthesized) tuning. The AF210-FM was designed for professional broadcast requirements, and has applications for FM relay (translator) service, EAS monitoring and paging service.



FEATURES:

- Wide and narrow band AGC to prevent overload
- Balanced and Unbal FM audio (stereo) output
- Composite audio output
- Selectable 50, 75 microseconds, or no de-emphasis
- Selectable 25, 50 or 100 KHz (standard) frequency tuning steps
- 500mW audio amplifier for monitoring
- FM stereo with 46dB separation
- FM signal strength blend and high cut if desired
- Adjustable level carrier detection relay
- LED indicators for signal strength, power, main carrier, stereo
- Adjustable soft FM mute
- 19 inch rack mount (1 3/4") chassis

Please Note:

This receiver has been constructed as FM/Stereo only. The IF filters have been narrowed and the composite bandwidth restricted to the main/Stereo required. (The RDS and SCA de-modulators are not present. The front panel RDS and SCA indicators do not operate. The front panel SCA/Main switch always provides Main/Stereo operation.)

SPECIFICATIONS:

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|---|--|
| TUNING RANGE: | 88 to 108 MHz, selected by internal DIP switch, in 100 KHz steps |
| ANTENNA INPUT: | "F" connector, 75 ohm |
| With 1 KHz modulation, 75KHz deviation: | |
| SENSITIVITY: | 0.75uV (12dB SINAD) Limiting @ <3uV |
| FREQ RESPONSE: | 20Hz to 15KHz (-3dB) |
| DISTORTION: | 0.25% THD at 100 % mod |
| MAXIMUM S/N: | 60dB |
| AM REJECTION: | 50dB |
| INTERMODULATION: | 5mV (73dB) Rejection |
| LINE Outputs: | 1.0 V RMS, 600 Ohms |
| SPKR Output: | 0.5 Watt into 8 Ohms |
| Selectivity: | Varactor tuned input stages I.F: 150 KHz wide |
| POWER: | 115 VAC, 20 Watts (wall converter supplied), or 12VDC direct |
| SIZE: | 1 3/4" H x 19" W x 8" D Weight: 5 lbs |

DAYTON INDUSTRIAL CORPORATION

2237 Industrial Blvd., Sarasota, Florida 34234 USA

Tel: (941) 351-4454 Fax: (941) 351-6081 E-Mail: daytonindustrial@aol.com

Visit our website at www.daytonindustrial.com