

AdaptAlert™ DTMF Siren Tone Receiver DSP-200-ST

Siren Signal Compatible Receiver

The Warning Systems, Inc. (WSI) DSP-200-ST alerting receiver plays stored siren tones associated with the Dual-Tone Multi-Frequency (DTMF) signal which is broadcast for sirens on any single VHF frequency within the 148 to 172 MHz band segment.



The WSI AdaptAlert DSP-200-ST is:

■ Sensitive

The AdaptAlert DSP-200 unit is manufactured to exacting specifications for high sensitivity and comes standard with a rubber-encased helix antenna. This enables superior reception, even in locations where the VHF signal may be weak.

■ Versatile

The AdaptAlert DSP DTMF receiver is field programmable to any single frequency within the 148 to 172 MHz band. It has rear panel jacks to enable connection to external audio equipment such as a recorder, public-address systems, or distribution amplifiers. The standard antenna can be replaced with a connector to an external (indoor or outdoor) antenna. The DSP-200 is compact enough to be placed on a crowded desktop or shelf, or mounted on a wall.

■ Effective

The DSP-200 includes an internal speaker that produces an alert sound level of 85dB Sound Pressure Level (SPL), suitable for noisy locations such as busy offices, schools, or fire stations.

■ Reliable

Every DSP-200 passes rigorous operational and functional test procedures during manufacturing to ensure that every customer receives a high-quality product.

AdaptAlert™ DSP-200-ST



Features:

- Decodes DTMF signals used for siren activation from up to 6 different tone sets
- Plays any available Whelen® siren tone from stored memory
- BNC Connector (50 Ohm) for cable to an external antenna or plug-in whip antenna
- RJ-12 connectors provide 600 Ohm balanced audio for external audio devices, and relay closures for external equipment activation
- Made in the USA; engineered and manufactured at facilities in North Alabama
- Functional Test Data provided with every unit

Specifications:

- Sensitivity: 0.35uV into 50 ohms (-116dBm, 12dB SINAD), dynamic range 74dB minimum
- Spurious rejection: -65dB
- IF rejection: 70dB
- Demodulation bandwidth: 500 Hz to 5 kHz
- Baseband de-emphasis: -6dB per octave (500 Hz – 2500 Hz), -18dB per octave above 2500 Hz
- Audio distortion: <10% @ 85dB SPL output, reference 1 kHz tone with +/- 3.0 kHz deviation
- Hum and noise: 37dB unscelched, 57dB scelched relative to a full quieting signal with 1 kHz reference tone @ 3 kHz (WB) deviation at the rated audio frequency output power of 1 watt
- Line out (rear panel): 1.0Vpp into 600 ohms balanced, transformer coupled
- Operating DC current: < 500 mA in full receive mode, unscelched
- Power: 7.5VDC @ 900 mA wall-mounted power supply
- Battery: 6 hour standby receive mode with 25% duty cycle on internal rechargeable lead acid (gel cell) battery
- Dimensions: 7" W x 3" H x 5" D
- Weight: 2.1 lbs



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