DTMF Siren Encoder/Decoder

Model SS2000+

The SS2000+ is Federal Signal’s most advanced stand-alone control unit yet. Monitor and control the unit over your network - the SS2000+ includes 20 inputs for remote activation. The remote activation inputs can mirror the front panel push buttons or be reprogrammed to provide 20 additional activation points. Stream .wav files from your PC for voice, music and text-to-speech. Control new and legacy systems using DTMF, EAS, two-tone and AFSK encoding. Program hotkeys for quick activation functions in various scenarios. The SS2000+ offers these capabilities in a simple, easy-to-use package for your desktop or 19” rack.

For the most advanced systems, the SS2000+ can be connected to a PC running Federal Signal’s Commander software. Commander and the SS2000+ can work together to monitor and control your system, with the SS2000+ providing full redundancy in the event that your PC is offline. The SS2000+ can be configured using SSLOADER+, a simple Windows®-based program from Federal Signal.

DESIGNED FOR ACTIVATION OF RADIO CONTROLLED SIGNAL DEVICES

- Streaming .wav files for voice, music and text-to-speech
- Ethernet for network-based control
- 20 remote activation inputs
- Compatible with two-tone EAS and DTMF, AFSK encoding
- 24 hot command function keys
- Communications diagnostics
- Built-in speaker and microphone jack
- Desk and 19” rack mount versions available
DTMF ENCODER/CONTROLLER (SS2000+)

SPECIFICATIONS

**Electrical**
- Line Input: 120 VAC wall transformer power supply
- Battery Input: 11.5 - 20VDC (over voltage and reverse voltage protection)
- Power Supply Input Voltage: 12-30VDC (12VDC typical)
- Input Current: 300 mA (Standby 700 mA max.)
- Distortion: < 3.0%
- Ethernet: RJ-45 port, TCP/IP

**Environmental**
- Operating Temperature: 0º to 60ºC

**Encode/Decode Format**
- DTMF Format: 3-20 standard DTMF characters
- DTMF Timing: 35/5 to 1000/1000 (digit duration/inter digit silence)
- MSK: 1200 BAUD
- Carrier Detect: Active High 4.5 - 14VDC, Active Low 0 - 3.0VDC
- VOX: -35 dbm to 0 dbm
- Parallel Port: IBM® compatible printer port
- Serial Port Protocol: RS232 9600 BAUD, N,8,1 (Xmodem Standard)

**Microphone**
- Input Level: 10mV - 150mV p-p
- Input Impedance: 10k Ohms
- Input Jack: XLR Male
- Type: Dynamic

**Speaker**
- Power: 1 watt
- Impedance: 8 Ohms

**Audio Interface**
- Audio Output: Balanced 600 Ohms, -55 dbm to 0 dbm
- Audio Input: Balanced 600 Ohms, -35 dbm to 0 dbm
- Decode Sensitivity: < 8-10 dB(C) S/N or 12 dB(C) SINAD
- Relay Outputs: 2A at 30VDC / 0.5 at 120VAC
- Shipping Weight: Desk Mount 6 lbs. (3 kg)
- Shipping Weight: Rack Mount 8 lbs. (4 kg)

**HOW TO ORDER**

Contact our Federal Signal Sales Engineers to design a system that meets your specific requirements.

**Select Model**
- SS2000+ Digital, DTMF encoder, desk mount
- SS2000+R Digital, DTMF encoder, 19” rack mount
- SSP Printer and cable
- MNC-XLR Gooseneck microphone and desk base
- SS-REMOTE Optional activation via additional contact closure (20 additional with one, 40 additional with two)

**Configuration Software**
- SSLOADER+ operating system Windows® 98, 2000, XP Compatible