The SS2000+ Series C web enabled controller is Federal Signal’s most advanced stand-alone control unit. The SS2000+ typically interfaces to an analog or digital radio system to provide radio activation of sirens across a county, municipal, campus or industrial facility. The SS2000+ has 24 programmable activation button “hotkeys” secured with a keylock switch and 20 contact closure inputs for interfacing with remote control systems. The hotkeys can provide specific types of warnings or test activations to notify residents, employees or students. The 24 Hotkeys are now accessible from a variety of interfaces using a new web interface. The new web interface can provide improved redundancy allowing multiple SS2000+ units to be used as on-line back-ups. Advanced networking features enable the SS2000+ to be connected to Federal Signal’s Commander® control and status monitoring software. In addition, the SS2000+ can now connect directly to Federal Signal’s CommanderOne® cloud service for secure web access to hotkeys, messaging and automated activation from NOAA EAS events.

The SS2000+ can be used to as an encoder for one-way siren control. Previously using a SS2000+ allowed activation only from the front panel hotkeys, the physical interfaces or from a connected PC. The SS2000+ now provides siren activation from CommanderOne NOAA® EAS events/polylgons, from a mobile app or from a web browser over the Internet.

**FEATURES**

- 24 command function hot keys with key-lock protection
- 20 remote activation inputs
- Dispatch console interface via URL
- Ethernet port for control over inter-company or intra-company LAN
- Interface to CommanderOne® web service for polygon and mobile activations
- MODBUS TCP Industrial Control Interface
- Microphone interface for Live PA
- Redundant source of command and control
- User Access Security with Digest Authentication
- Remote firmware update capability over LAN
- Computer Access Whitelist Feature
- SSL and AES data Encryption
- Compatible with radio two-tone EAS and DTMF, AFSK encoding
- Three Configurable Relay Outputs
- Streams WAV files from Commander® PC
- Built-in communication monitor speaker
- Radio level indicators simplify field adjustments
- Battery backed real time clock
- Back-lit LCD Display
- Desk and 19” rack mount versions available
- Offered in 120 and 240VAC, with EU or UK versions available
PC Freedom
Typical siren control systems rely on dedicated PC’s or servers for activation. PC’s can be difficult to maintain with updates and security concerns. Now you can have many of the features provided from a PC without the need to have a PC dedicated to activating your siren system. In addition, PC’s can be a single point of failure within your siren control system. The SS2000+ can now interface to our CommanderOne control system and eliminate the need for a dedicated PC for siren control.

ACCESS VIA URL
Dispatch consoles can now access the SS2000+ from a new built-in web server that allows the SS2000+ to be controlled and configured over a LAN using standard web browsers. This interface can provide users within a secure company network to access the SS2000+ Hotkeys from standard web browsers (Chrome, Edge or Firefox) on the company local area network.
**Web Enable Radio Controlled Sirens**

The SS2000+ can be used to as an encoder for one-way siren control. Previously using a SS2000+ allowed activation only from the front panel hotkeys, the physical interfaces or from a connected PC. The SS2000+ now provides siren activation from CommanderOne NOAA EAS events / polygons, from a mobile app or from a web browser over the Internet.

**MODBUS Control**

The SS2000+ has a MODBUS interface to easily interface with Industrial Control Systems. MODBUS TCP is used to provide activations into an SS2000+ for specific warning announcements across an industrial plant. Users can activate the system using the SS2000+ or industrial control systems can activate the hotkeys.
**SPECIFICATIONS**

Operating Temperature: 32°F to 140°F, 0°C to 60°C

- **Line Input** 120/240VAC* wall transformer power supply
- **Power Supply Input Voltage:** 12-30 VDC (12 VDC minimum)
- **Input Current:** 300 mA (Standby 700 mA max.)
- **Distortion:** < 3.0%
- **Ethernet:** RJ-45 port, TCP/IP
- **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
  - **Audio Input:** Balanced 600 Ohms
  - **Decode Sensitivity:** < 8-10 dBc S/N or 12 dBc SINAD
  - **Relay Outputs:** 2A at 30VDC / 0.5 at 120VAC

- **Dimensions H x W x D:**
  - **Desk Mount:** 3.59" x 11.59" x 9.53"
  - 91.8 mm x 294.4 mm x 242.1 mm
  - **3U Rack Mount:** 5.19" x 19" x 10.10"
  - 131.8 mm x 482.6 mm x 256.5 mm

- **Shipping Weight:**
  - **Desk Mount:** 6 lbs / 3 kg
  - **Rack Mount:** 8 lbs / 4 kg

* The SS2000+ Power Supply can be ordered with a US 120VAC or UK/EU 240VAC Power Cables, see description models.

**HOW TO ORDER**

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

Considerations for system configuration:

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Desk mount Local Activation Point, US</td>
<td>SS2000+</td>
</tr>
<tr>
<td>Rack Mount Local Activation Point, US</td>
<td>SS2000+R</td>
</tr>
<tr>
<td>Desk Mount Local hardware activation point, EU</td>
<td>SS2000+EU</td>
</tr>
<tr>
<td>Desk Mount Local hardware activation point, UK</td>
<td>SS2000+UK</td>
</tr>
<tr>
<td>Noise Canceling Microphone</td>
<td>MNC-MNS</td>
</tr>
<tr>
<td>CommanderOne Cloud Service</td>
<td>COMMANDER1LE</td>
</tr>
</tbody>
</table>

**REPLACEMENT PARTS**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>SS2000+ Power Supply with US Cable</td>
<td>Q-SSPWR</td>
</tr>
<tr>
<td>UK 240VAC Power Cable</td>
<td>Q17501252A</td>
</tr>
<tr>
<td>EU 240VAC Power Cable</td>
<td>Q17501253A</td>
</tr>
<tr>
<td>SS2000+ Kenwood Radio Cable</td>
<td>Q17500863-01</td>
</tr>
</tbody>
</table>

1 Noise canceling microphone model MNC-MNS replaces the microphone on early revision models of SS2000+. Model MNC-MNS is supervised for compatibility with UL2572.

2 While there are no EU/UK rack mount models, the rack mount SS2000+R can be ordered with the appropriate replacement power cable, if needed.

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