

SMARTSIREN® ELECTRONIC SIREN AND LIGHT CONTROL SYSTEM



SS2000SM-SC

Each SmartSiren® system consists of a control head and separate amplifier.

Federal Signal's SmartSiren® electronic siren and light control is the most technologically advanced unit available. Using microprocessors and state-of-the-art design, SmartSiren systems pack all the features you need into an ultra-compact package!

The SmartSiren system consists of a control head and a separate amplifier/relay unit. The control head features a four-position slide-switch, for quick activation of warning functions, and thirteen push-buttons. Model SS2000SM-SC adds four buttons for control of a SignalMaster directional light. Both models provide for activation of six auxiliary circuits.

SmartSiren units offer the standard siren tones (Wail, Yelp, Hi-Lo, and Manual) and several advanced features, such as horn ring transfer, radio rebroadcast, and PA. There is also provision for the installation of a user-supplied switch to activate lights and siren in pursuit mode.

To use the PA feature, a separate microphone, model MNCT-SB, must be purchased. If the amplifier is mounted remotely, an extension cable, model RMK, is also required.

The SmartSiren system can drive 58-watt, 100-watt, and

200-watt speakers. For control of lights and auxiliary functions, eight relay outputs are available: one 40-amp, two 20-amp, and five 10-amp outputs.

Additionally, model SS2000SM-SC enables control of seven distinct patterns (three directional and four flashing warning) on six-lamp or eight-lamp SignalMaster units. An LED display on the control head flashes in the same pattern as the one currently selected.

For added versatility, the SmartSiren system can be configured at the point of installation. Users can select desired functions and program them through the control head.

Installing the SmartSiren system is easy. The amplifier/relay unit can be remotely located and connected to the control head via a 25-foot wire with telephone-style connectors. The supplied mounting bracket allows the assembly to be located in a variety of positions.

The SmartSiren control head is "Air Bag Wise." When installed properly, it won't interfere with deploying air bags. For safe equipment mounting zones inside the vehicle, consult the manufacturer's guidelines.

QUICK REFERENCE

FEATURES

- Electronic siren and light control combined.
- Functions programmable at the point of installation.
- Power versatility – 58, 100, and 200 watts.
- "Air Bag Wise" – 1-inch thick control head.
- Easy action rubberized push-buttons.
- Buttons backlit for easy nighttime viewing.
- Optional SignalMaster™ directional light control (SS2000SM).
- Easy installation with supplied connectors.

APPLICATIONS

- Police, fire, and EMS vehicles

APPROVAL

- Meets SAE J1849 and CCR (CAC) Title 13, article 8 requirements for sound when coupled with any Federal Signal, SAE and CCR approved speaker.

RELATED PRODUCTS

Speakers

Bulletin #6100

DynaMax™ Compact Speaker

Bulletin #6102



SS2000SS-SB

SmartSiren Features

- Slide-switch positions can activate one or more light and siren functions
- Push-buttons can be specified to be on/off or momentary
- Eight-second timer can be programmed to any switch function
- Siren automatically deactivates when vehicle transmission is put into Park
- Audible “chirp” feature can remind user of the active status of the siren
- Supplied function labels identify switches and are easily replaced

SS2000SS-SB Features

- Wail, Yelp, Hi-Lo, Air Horn, Manual, Priority, and horn ring transfer
- Program mode can be disabled to prevent unauthorized reprogramming
- Siren tones and light functions can be configured independently of each other
- “Power Up” siren tone may be selected (Wail, Yelp, Hi-Lo, or Priority)
- Each slide-switch position can be configured to operate any combination of eight relays, PA, horn ring transfer, and siren enable
- Any button on the siren row, except STBY, can be enabled or disabled

SS2000SM-SC Features

Same as SS2000SS-SB plus:

- Control of up to seven distinct SignalMaster patterns
- Configuration of the slide-switch positions to operate any combination of eight relays, PA, horn ring transfer, siren enable, and any of the four SignalMaster warning patterns

HOW TO ORDER

1. Specify model.

- SS2000SS-SB Electronic siren and light control system
- SS2000SM-SC Electronic siren and light control system with SignalMaster control

2. Order accessories (if necessary).

- MNCT-SB Noise-cancelling microphone
- RMK Extension cable for microphone
- BP100 100-watt speaker
- MS100 DynaMax 100-watt speaker

SPECIFICATIONS

Input Voltage.....	11-16 VDC
Standby Current.....	0.5 amps
Operating Temperature	-30° C to +65° C
Frequency Range	700 to 1500 Hz (nominal)
Nominal Cycle Rate	Wail - 12 cycles/min. Yelp - 180 cycles/min. Hi-Lo - 60 cycles/min.
Voltage Output.....	62-66 volts peak-to-peak
Audio Response	300-3000 Hz ±3 dB
Audio Power.....	45 watts in PA mode
Input Impedance (PA).....	4000 ohms (nominal)

DIMENSIONS

Amplifier

Length.....	6.3 in. (15.9 cm)
Width.....	6.4 in. (16.2 cm)
Height	2.3 in. (5.9 cm)
Shipping Weight	6 lbs. (2.7 kg)

Control Head

Length.....	6.8 in. (17.2 cm)
Width.....	1.3 in. (3.3 cm)
Height	3.1 in. (7.9 cm)
Shipping Weight	1.0 lbs. (0.5 kg)



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