



650 SERIES SIREN

REMOTE MICROPHONE-CONTROLLED SIREN



Federal Signal's innovative 650 series siren allows for all sound and light functions to be enabled by rubberized push buttons located on the unit's compact (4.5" L x 2" W x 1" H) and easy to use microphone control head. The advanced microprocessor based amplifier exemplifies Federal Signal's commitment to remain today's unmatched leader in the field of siren technology.

Compact Microphone Controller

All siren and light functions are located on the 650 series microphone. Ten rubberized push buttons control three progressive "slide switch-like" positions, on/off, PA, Air Horn, Peak-and-Hold, tone switching, and up to 30-amps of additional auxiliary power. The microphone controller "snaps" into a small plastic remote junction box where PA volume and a secondary on-off switch are located, then runs directly to the 650 series amplifier. Both of these connections are plug-and-play via eight conductor telephone jacks. An innovative microphone holder that can rotate and pivot to almost any angle allows for a wide variety of installation possibilities.

Advanced Amplifier Design

The 650 series remote siren provides 100-watt speaker output and can operate from any 12-volt negative ground vehicle electrical system. It is short circuit protected and can be powered through an installed power distribution center (PDC), or directly from the vehicle's battery. Reliability and efficiency is maximized by the use of advanced microprocessor based technology. The 650 series amplifier comes equipped with eight 10 amp light or auxiliary relay connections, is horn ring control ready, and has it's own bracket mount to allow for quick and easy removal or replacement. Also provided is a 16.5' wire harness and all necessary hardware.

> Features

- Microphone controlled siren amplifier and light functions.
- Progressive 3-position "slide switch like" push button control.
- Backlit/rubberized microphone control head.
- Microprocessor based amplifier with plug-and-play connections.
- Eight 10-amp light and Aux relay positions.
- 100-watt output – Wail, Priority, Air Horn, Manual Peak, and Hold tones.
- Versatile microphone and amplifier mounting brackets.
- Remote on/off switch box with built-in PA volume control.
- Horn ring transfer.
- Installs quickly and is easy to operate.

> Approvals

- Meets SAE J1849 requirements for sound output.

> **How to Order**

Specify Model

650001 100-watt, microphone push-button controlled, full featured, wail/no wail tone activation, (8) 10-amp relay outputs

650003 100-watt, microphone push-button controlled, full featured, wail-to-priority tone activation, (8) 10-amp relay outputs

Specifications	
Input Voltage	11 VDC to 15 VDC
Polarity	Negative Ground Only
Operating Temp.	-30° to +65°C
Standby Current	<0.22 amperes
Separating Current (no lamps on)	8A (nominal) (13.6 V battery, 11 ohm load)
Frequency Range	725 – 1550 Hz
Voltage Output	62-66 V peak-to-peak
Physical Dimensions	
Amplifier	8.5"L (21.6 cm) x 5.5"W (13.9 cm) x 2"H (5.1 cm) (without base)
Control Head	4.5"L (11.4 cm) x 2"W (5.1 cm) x 1"H (2.5 cm)
Ship Weight	
Siren	6.5 lbs (3.0 kg)
Control Head	0.5 lbs (0.25 kg)

10 Push-Button Controller Switch Operation

- OFF** Turns off all enabled tone and light functions
- PA** Allows speech/RRB through vehicle's speaker / overrides all other functions
- TONE**
 - 650001** – Eliminates Wail tone when #3 is enabled (priority tone can be enabled via HRT)
 - 650003** – Switches tone between Wail and Priority when #3 is enabled
- MAN** Manual Peak-and-Hold / functions when all other tones are off
- AH** Air Horn
- POS #1** Activates 10-amp relay
- POS #2** Keeps #1 enabled and activates second 10-amp relay (progressive)
- POS #3** Keeps #1 and #2 enabled and activates third 10-amp relay (progressive)
- AUX 1** Scrolls through (2) 10-amp relays
- AUX 2** Activates third AUX 10-amp relay

