

# 650 Series

## Remote Microphone-Controlled Siren



### FEATURES

- Microphone controlled siren amplifier and light functions
- Progressive 3-position “slide switch-like” button control
- Backlit/rubberized microphone control head
- Microprocessor-based amplifier with plug-and-play connections
- (8) 10 A light and Aux relay positions
- 100-watt output – WAIL, YELP, PRIORITY, MANUAL (peak and hold) and AIR HORN
- 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
- Three-year warranty

Federal Signal's innovative 650 series siren allows for all sound and light functions to be enabled by rubberized 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 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 W speaker output and can operate from any 12 Vdc 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 are maximized by the use of advanced microprocessor-based technology. The 650 Series amplifier comes equipped with (8) 10 A light or auxiliary relay connections, is horn ring control ready, and has its own bracket mount to allow for quick and easy removal or replacement. Also provided is a 16.5-ft wire harness and all necessary hardware.

### APPROVALS

- Meets SAE J1849 requirements for sound output.

## HOW TO ORDER

### SPECIFY AMPLIFIER/CONTROLLER

650001	100 W, microphone button controlled, full featured, wail/no WAIL tone activation, (8) 10 A relay outputs
650003	100 W, microphone button controlled, full featured, WAIL-to-PRIORITY tone activation, (8) 10 A relay outputs
650007	100 W, microphone button controlled, full featured, WAIL and YELP tone, (8) 10 A relay outputs, California Title 13 compliant

## 10 BUTTON CONTROLLER SWITCH OPERATION

<b>OFF</b>	Turns off all enabled tone and light functions
<b>PA</b>	Allows speech/RRB through vehicle's speaker / overrides all other functions
<b>TONE</b>	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
<b>MAN</b>	Manual Peak-and-Hold / functions when all other tones are off
<b>AH</b>	Air Horn
<b>POS #1</b>	Activates 10 A relay
<b>POS #2</b>	Keeps #1 enabled and activates second 10 A relay (progressive)
<b>POS #3</b>	Keeps #1 and #2 enabled and activates third 10 A relay (progressive)
<b>AUX 1</b>	Scrolls through (2) 10 A relays
<b>AUX 2</b>	Activates third AUX 10 A relay



## SPECIFICATIONS

<b>AUDIO OUTPUT POWER</b>	100 W
<b>INPUT VOLTAGE</b>	12 Vdc
<b>NOMINAL OUTPUT VOLTAGE</b>	60 V peak-to-peak
<b>STANDBY CURRENT</b>	< 0.22 A
<b>INPUT CURRENT, OPERATING</b>	10 A max
<b>OPERATING TEMP.</b>	-22° to +140° F (-30° to +60° C)
<b>POLARITY</b>	Negative ground only
<b>FREQUENCY RANGE</b>	725 to 1550 Hz

### PHYSICAL SPECIFICATIONS

	SIREN AMPLIFIER	CONTROL HEAD
<b>LENGTH</b>	8.5 in (21.6 cm)	4.5 in (11.4 cm)
<b>WIDTH</b>	5.5 in (13.9 cm)	2 in (5.1 cm)
<b>HEIGHT</b>	2 in (5.1 cm) (without base)	1 in (2.5 cm)
<b>SHIP WEIGHT</b>	6.5 lb (3.0 kg)	0.5 lbs (9.25 kg)

