

## 650 SERIES REMOTE MICROPHONE-CONTROLLED SIREN



650 Series - Remote/Microphone Controlled Siren (model 650001 pictured)

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.

## QUICK REFERENCE

### 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 W 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 and Radio Re-broadcast Repeat (RRB).
- Installs quickly, easy to operate.

### APPLICATIONS

- Marked, "Slick-Top" and Un-marked Police Vehicles
- Fire Chief Command Vehicles
- Parking and Traffic Enforcement
- EMS Vehicles

### REPLACEMENT PARTS

Cable Harness Kit	Z8615013
Remote Connection Box	Z8615014
Microphone Controller Cable	Z8615015
Microphone Controller	Z8615016
Microphone Mount Kit	Z8615017
Siren Hardware Kit	Z8615018
Microphone Connector Kit	Z8615019
Replacement Siren Assembly	Z8615011
Siren Support Kit	Z8615012

## How To ORDER

1. Specify a model.

**650001** 100-watt compact microphone controlled siren with 16.5' wire harness

Order optional equipment (if necessary).

**750501** AS124 high tech economy speaker

**351011** LED Light, 6 LED Low-Profile CUDA TRIOPTIC™ light head with mini-swivel bracket

**351012** LED Light, 9 LED Low-Profile CUDA TRIOPTIC light head with "L" mount bracket

**352022** LED Light, 6-Pack (18 LEDs) CUDA TRIOPTIC light head with "L" mount bracket

**603111** Strobe System Corner strobe system with 4 clear tubes, power supply and 4-16' cables

**650201** Flasher, 8 flash patterns, (2) 6 amp loads, solid-state for LED auxiliary lighting

## 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** Switches tone between Wail and Priority when #3 is enabled
- MAN** Manual Peak-and-Hold/functions when all other tones are off
- POS #1** Activates 10 Amp relay
- POS #2** Keeps #1 enabled and activates 2nd 10-Amp relay (progressive)
- POS #3** Keeps #1 and #2 enabled and activates 3rd 10-Amp relay (progressive)
- AUX 1** Scrolls through (2) 10 Amp relays
- AUX 2** Activates 3rd AUX 10 Amp relay



SPECIFICATIONS	
Input Voltage	11 VDC to 15 VDC
Polarity	Negative Ground Only
Operating Temperature Range	-30° to +65° C
Standby Current	< 0.22 amperes
Operating Current	8 amperes (nominal)
(no lamps on)	(13.6 V battery, 11 ohm load)
Frequency Range	725 1550 Hz
Voltage Output	62-66 V peak-to-peak
Siren Shipping Weight	6.5 lbs. (3 kg)
Amplifier Dimensions	8.5"L x 5.5"W x 2"H (without base)
Control Head Weight	0.5 lbs (0.25kg)
Control Head Dimensions	4.5"L x 2"W x 1"H