**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.
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

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

Specifications

Input Voltage  11 VDC to 15 VDC

Polarity  Negative Ground Only

Operating Temp.  -30˚C 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 Specifications

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

Control Head  6.5 lbs (3.0 kg)

Siren  6.5 lbs (3.0 kg)