

# SC-407 ENFORCER



## THE *SC-407* ENFORCER

from

**CARSON**  
SIRENS

### *“Full Featured Siren and Light Control”*

The **SC-407 ENFORCER** combines the elements of a full featured siren with the light control capabilities of a switch box with a slide switch in a single, integrated and economical system. Coupling 200 watts of siren output and 140 total amps of light control capacity, the **ENFORCER** gets the job done by utilizing traditional, dependable and simple to operate controls even in the most demanding driving situations. The new, aesthetically pleasing appearance of the **SC-407 ENFORCER**, its compliment of features, and its affordable price make this Light Control Siren an attractive buy.

The **SC-407 ENFORCER** includes several time-tested features that make this unit one of the most reliable and logical units to choose from. The following is a brief description of several of those features:

- **Rocker Switches for Siren Tone and Auxiliary Light Control:** The two red oversized rocker switches provide simple, intuitive control of the siren's on/off function and tone output with just a simple touch of your finger. Four illuminated rockers supply up to 80 amps of auxiliary light control.
- **Pursuit Lever/Slide Switch:** Configured for progressive activation of lights, the four position lever/slide switch provides pursuit ready control of the vehicles primary lights and optional siren wail in the last position.
- **Minimal Heat Generation:** The siren's unique and efficient design layout of the printed circuit boards creates less heat eliminating the need for vent holes and lengthening the expected life of the board components.
- **Separate Radio & PA Face Mounted Volume Controls:** Two rotational volume controls with compact knobs accessible on the face allow for separate control of the output volume of the Radio when re-broadcasted over the siren speaker and PA giving the operator greater flexibility to set the needed volume levels based upon the noise level of the surrounding environment at the time of use.
- **Simple, Secure Wiring and Connections:** A detachable plug with screwdown terminals for siren connections and leads for secure splicing to connect to the light switches.

The *SC-407 ENFORCER* gets the job done.

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## Specifications

<b>Siren</b>	
Input Voltage	9 - 16 VDC (negative ground)
Input Current	8 Amps or 16 Amps @14 VDC
Standby Current	Less than 300 ma
Audio Frequency	200Hz - 10kHz +/- 3db
Audio Distortion	Less than 3% (@ 1kHz - single 100W speaker)
Audio Output	40W (@14 VDC per 100W speaker)
Radio Input	0.75 VRMS Min., 400 ohms nominal
Output Power	105W RMS Max (@15 VDC - single 100W speaker) 180W RMS Max (@15 VDC - dual 100W speakers)
Siren Frequency	700Hz - 1450Hz (Two-Tone & Air Horn = 435 & 585Hz)
Tones/Cycle Rates	Horn = 109 CPS, Wail = 15 CPM, Yelp = 210 CPM, Phaser = 15 CPS, Two-Tone = 60 CPM
High Voltage Protection	16 - 18 VDC output ceases, resumes at normal level
Short Circuit Current	50 Amps Min. from supply circuit
Operation Temperature	-15F to 140F
Controls	3 Position siren rocker, 3 position power rocker, push button for Horn, push button for Manual/Phaser toggle, noise canceling microphone, PA volume control, Radio volume control, auxiliary input for +/- Horn, Manual, Phaser or HRC2 operation, cutout input for +/- latching cutout operation, internal jumper selectors.
Siren Connections	10 Pin connector: 2 positive, 2 negative, 2 speaker, 2 radio, cutout, and auxiliary input
<b>Light Control</b>	
Voltage	9 - 16 VDC (negative ground)
Controls	4 Position slide switch, LED indicators, 4 illuminated rockers
Slide Switch Current	30 Amps per circuit, 60 Amps total
Auxiliary Switch Current	20 Amps per circuit, 80 Amps total
Light Connections	8" Minimum wire leads, lever - 1 #10 AWG input and 3 #14 AWG outputs, rockers - 1 #14 AWG input and 1 #14 AWG output per switch, External Fusing Required
<b>General</b>	
Size	6 1/8" Wide, 2 7/8" High, 5 7/8" Deep
Shipping Weight	5 1/2 Lbs
Ratings Met	Class A Sound Level, California Title 13, KKK

## Features

- 100/200 watt amplifier with 140 amps of light control
- Lever/slide switch with 30 amps capacity per circuit and 60 amps total capacity
- 4 Illuminated rocker switches with 20 amps capacity per switch and 80 amps total capacity
- 2 Oversized rocker switches for siren tone control and On/Off and Radio control
- 2 Momentary push buttons for Manual control and override Phaser and Air Horn control
- PA override with noise-canceling microphone and a dedicated volume control on the face of the unit
- LED backlit for nighttime visibility
- Horn Ring Cyclor 2 (HRC2) for hands free siren control for pursuit and rescue situations
- Siren Cutout disables the siren tone when exiting the vehicle
- Internal fuses to protect the siren
- Jumper programmable options
- Detachable plug connector with screwdown terminals for the siren
- 10-14 AWG leads for the lever/slide switch and auxiliary switch light control inputs and outputs
- Mounting bracket for the siren and PA microphone
- No-hassle 5-year limited warranty

	<b>SC-407 ENFORCER</b>	Federal Signal Unitrol Touchmaster (UTM4)	Code 3 PSE V-Con 3672L4	Signal Vehicle Products (SVP) LCS770
Rocker Switches for Siren Tone Selection	Yes	Yes		
Rocker Switch On/Off Control	Yes			
Separate Face Mounted Rotary for Radio Volume Control	Yes			Yes
Illuminated Rocker Switches for Auxiliary Light Control	Yes			
30 Amps per Circuit for Primary Light Control	Yes		Yes	
Minimum 140 Amps of Total Light Control Capacity	Yes		Yes	Yes
Quick-Snap Fastener Chassis to Cove Connection	Yes			
Detachable Plug with Screwdown Terminals for Siren Connection	Yes			Yes
5-Year Warranty	Yes	Yes		

**WARNING**   **Sound Hazard** - Sound level from siren speaker (>120dBA @ 10 feet) may cause hearing damage. Do not operate siren without adequate hearing protection for you and anyone in immediate vicinity. (Ref. OSHA 1910.95 for occupational noise exposure guidelines)