

THE  
**SC-1002**  
**VOLUNTEER**

from

**CARSON**  
**SIRENS**



*“The Siren That Clears the Way”*

The **SC-1002 Volunteer** 100-watt siren with light controls was designed with the volunteer firefighter in mind. The **SC-1002 Volunteer** siren features two 3-position rocker switches to select between wail, yelp, manual, and mechanical tone. Two push buttons for air-horn and phaser with the European HiLo/two-tone sound as an optional substitute. The siren also features the Horn Ring Cycler (HRC2) function that enables the driver hands-free control of the siren by cycling through the tones with the vehicles horn. Two lighted rocker switches are also included for controlling emergency lights.

This siren is designed to work with a 100-watt speaker and ensures you the strength to get you where you need to go and be heard like one of the big fire trucks. The siren tones may be changed or disarmed using an internal Dip switch. An output indicator light is on the face of the siren for diagnostic purposes. The light controls are capable of switching up to 20 amps. The siren is LED backlit and is installed using heavy duty screw down terminals for power and a detachable connector for the speaker and lights. The amplifier and light controls are fused separately on the back of the unit. As with all Carson Sirens products, the **SC-1002 Volunteer** is backed by a no-hassle 5-year limited warranty.

The **SC-1002 Volunteer** Siren offers the reliable performance, and rugged durability with consistent quality that comes with every Carson Siren.

- **Mechanical Tone:** This sirens deep and gutsy mechanical tone allows you to sound just like a fire truck clearing traffic. This siren will set you apart from the rest.
- **Lighted Rocker Switches:** Two lighted rocker switches for controlling auxiliary lighting.
- **Output Diagnostic Indicator:** Sensors at the siren output connector measure when the siren is creating an output to the speaker and indicates the status on the face using an LED light. This provides the service person with the ability to determine if the problem is internal with the siren or external with the wiring and speaker should the system fail to produce a warning signal.
- **Horn Ring Cycler 2:** Allow the operator the capability to run the siren tones from the vehicle horn ring or other external switching for hands free tone selection during pursuit or rescue situations.

**The SC-1000 Series offers**  
**“a small siren with big results”.**

# SC-1002 VOLUNTEER

## Specifications

Siren	
Input Voltage	9 - 16 VDC (negative ground)
Input Current	8 AMPS @14 VDC
Standby Current	Less than 100 mA
Output Power	105W RMS Max (@15 VDC - single 100W speaker)
Siren Frequency	700Hz - 1500Hz (Mechanical 700Hz-1600Hz, Two-Tone & Air Horn = 435 & 585Hz)
Tones/Cycle Rates	Horn = 109 CPS, Wail = 13 CPM, Yelp = 190 CPM, Phaser = 15 CPS, Two-Tone = 60 CPM & Mechanical = 5CPM
High Voltage Protection	16-18 VDC output ceases, resumes at normal voltage
Short Circuit Current	50 Amps Min. from supply circuit
Operation Temperature	-15F to +140F
Controls	Two 3 Position rocker switches, push button Horn and Phaser, auxiliary input for +/- activation, internal 8 position DIP switch options selector
Siren Connections	Screw down terminals: positive and negative 6 pin connector: 2 speaker, enable, auxiliary, 2 light outputs
Light Control	
Voltage	9 - 16 VDC (negative ground)
Controls	2 Lighted rockers
Auxiliary Switch Current	20 AMPS per circuit, 20 AMPS total
Light Connections	2 Light outputs, see 6 pin connector under Siren Connections
General Size	Amplifier: 6" Wide x 2" High x 6" Deep
Shipping Weight	3 Lbs
Ratings Met	Class A Sound Level, California Title 13 configurable

## Features:

- Compact 100 watt amplifier with 20 total amps of light control
- Two Illuminated rocker switches for light control with 20 amp capacity
- Siren Wail, Yelp, Phaser, Manual, Air Horn, and Mechanical Tone with optional European HiLo/Two Tone siren tone
- Rocker switch siren function control with momentary pushbutton override
- DIP switch programmable tones
- Two rocker switches control lights
- DIP switch programmable options
- LED backlighting
- Horn Ring Cyler (HRC2) for hands free siren tone control
- Amplifier and light controls fused separately and externally
- Short circuit, high voltage and reverse polarity protection systems
- Sound output indicator light for diagnostics
- Detachable wiring connector and screw down terminal for power
- Mounting bracket
- No hassle 5-year limited warranty

	<b>SC-1002 VOLUNTEER</b>	Federal Signal Mini MS4000	Whelen Alpha 12S	Code 3 PSE Compact 3900	Signal Vehicle Products (SVP)SS650	Able 2 Products Sho-Me 30.3104
Mechanical Tone	YES		YES			
Light Control Outputs	YES					
Speaker Diagnostics	YES					
Auxiliary Input & Horn Ring Capabilities	YES		YES			
Flexible DIP Switch Programmability	YES		YES			
5-Year Warranty	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)