

THE  
**SC-1022**  
**VOLUNTEER**

from

**CARSON**  
**SIRENS**



*“The SC-1022, “a small siren with big results”  
in the palm of your hand.”*

The new Carson **SC-1022 Volunteer** Hand-held Mechanical Tone Siren for those who need to clear traffic in a big way. This small compaq siren offers the standard tones of wail, yelp, manual and the new Carson mechanical tone along with dip switch programmability of the European HiLo/Two-tone sound as optional substitutes. This gives you full coverage for any emergency situation. Expect big results with this small siren. The completely enclosed rubberized face gives you a smooth front panel with everything right at your finger tips. This hand-held remote control head with light controls for emergency situations is easily operated and ideal when you want it out of your way and not in use. The remote amplifier offers an output indicator on the face for diagnostics.

This small 100-watt siren with big results is the **SC-1022 Volunteer** Hand Held Mechanical tone siren that offers all the same reliable performance, rugged and durability along with consistent quality that comes with all the Carson Siren line.

- **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 Pushbutton Controls:** Two lighted pushbutton switches for controlling auxiliary or emergency lighting.
- **Output Diagnostic Indicator:** Sensors at the siren output connector measure when the siren is creating an output to the speaker on the face of the remote amplifier for diagnostic purposes. 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 Cyclor 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-1022 VOLUNTEER

## Specifications

Siren	
Input Voltage	9 - 16 VDC (- ground)
Input Current	8 AMPS @14 VDC
Standby Current	<100 ma (@14 VDC w/enable lead energized)
Output Power	105W RMS Max (@15 VDC - single 100W speaker)
Siren Frequency	700Hz - 1500Hz (Mechanical 700 Hz - 1600Hz; Two-Tone & Horn = 435 & 585Hz)
Tones/Cycle Rates	Horn = 109 CPS, Mechanical = 5 CPM, Wail = 13 CPM, Yelp = 190 CPM, Phaser = 15 CPS, Two-Tone = 60 CPM
High Voltage Protection	16 - 18 VDC output ceases, resumes at normal voltage
Short Circuit Current	50 AMPS (supply circuit must be capable of supplying this)
Operation Temperature	-15F to +140F
Controls	Six membrane Pushbuttons, auxiliary input programmable for +/- activation. Internal 8-position DIP switch option selector.
Siren Connections	Screw down terminals: positive and negative 6-pin connector: (2) Speaker, Auxiliary and Enable inputs, (2) light outputs. Hand control has built-in cable for connection to unit.
Light Control Voltage Controls	9 - 16 VDC (- ground) Two pushbuttons
Auxiliary Switch Current	20 AMPS per switch, 20 AMPS total
Light Connections	Two light control outputs (see 6 pin Terminal Block under Siren Connections)
General Size	Amplifier: 6" Wide, 6" Deep, 2" High 3 1/2 LBS
Shipping Weight Ratings Met	Class A Sound Level, California Title 13 configurable

## Features:

- Remote hand held unit with pushbutton controls
- Compact 100-watt electronic siren amplifier with 20 amps of light control
- Two illuminated pushbuttons for light control
- Six pushbutton switches for Mechanical, Wail, Yelp, Phaser, Manual, and Air Horn with optional European HiLo/Two Tone siren tone
- DIP switch programmable tones
- Power indicator on remote amplifier
- 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
- Mounting bracket
- Control Head bracket accessory available
- No hassle 5-year limited warranty

	SC-1022 VOLUNTEER	Federal Signal Mini MS4000U	Whelen Alpha 12M/12R	Code 3 PSE Compact 3900 Remote	Signal Vehicle Products (SVP)SS651	Able 2 Products Sho-Me 30.3104/30.2106/30.2109	Galls SK123
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						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)

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1.888.577.6877

[www.carsonsirens.com](http://www.carsonsirens.com)

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