



THE SC-550 STEALTH

from

CARSON
SIRENS

“The Premiere Hand-Held Light Control Siren”

This light control siren puts the traffic clearing power right in the palm of your hand. Just like the original **SC-550** hand-held light control siren, this next generation **SC-550 STEALTH** combines a full featured 100/200 watt siren with a 140 amp capacity light control system in an amplifier that is easily hidden, but also incorporates an astetically striking and rugged hand held control unit. Because of the **SC-550 STEALTH** light control capacity and mounting versatility, it is ideally suited for use in several different applications like unmarked or undercover vehicles, SUVs, command vehicles, and take home cars.

The **SC-550 STEALTH** offers the installer and user several unique features to customize the operation of the system and increase the reliability and ruggedness of the hand held control unit including the following:

- **Optical Slide Switch:** This patented feature utilizes optical sensors rather than contacts that can wear out, to activate outputs as the slide moves positions. Use of this technology makes the hand held control unit slimmer in profile than a unit using a traditional styled lever/slide switch.
- **Non-Progressive Slide Switch Options:** The installer has the option to configure the slide switch outputs to operate progressively, non-progressively (i.e. output #1 turns off when output #2 is activated and output #2 is turned off when output #3 is activated) or a combination of both a progressive (“a” outputs) and non-progressive (“b” outputs) manner (i.e. position #1 activates output 1a/1b, position #2 turns off output 1b and adds outputs 2a/2b to 1a, position #3 turns off output 2b and adds output 3a to) providing greater flexibility in the installation and control.
- **Splash Resistant Rubberized Face with Built-in Switches:** This one piece, enclosed face design limits exposure to liquids and other particles that could potentially damage internal circuits.
- **Versatile Operating & Mounting Options:** Whether the issue is limited mounting space such as in an SUV, a need to hide the controls in undercover vehicles, or for take home vehicles where the driver wants to keep the controls for the lights and siren away from children, the **SC-550 STEALTH** is flexible in how and where the installer mounts the control head if mounted at all and how the operator uses it.

*The law is in your hands with
the **SC-550 STEALTH.***

SC-550 STEALTH

Specifications

Siren	
Input Voltage	11 - 16 VDC (negative ground)
Input Current	8 Amps or 16 Amps @14 VDC
Standby Current	Less than 200 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 - 1500Hz (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	Hand Held Control: 6 Position rotary, push button Siren for Horn and Manual, noise canceling microphone, PA volume control Amplifier: External radio volume control, auxiliary input for +/- Horn, Manual, or HRC2 operation, cutout input for +/- latching cutout operation, internal DIP switch selector.
Siren Connections	10 Pin connector: 2 negative, 2 speaker, 2 radio, 2 light control outputs, cutout, and auxiliary input
Light Control	
Voltage	11 - 16 VDC (negative ground)
Controls	4 Position slide switch, LED indicators, 4 push buttons
Slide Switch Current	20 Amps per circuit, 60 Amps total
Auxiliary Switch Current	20 Amps per circuit, 80 Amps total
Light Connections	7 Screwdown terminals with exposed fuses, and 2 screwdown terminals for up to #6 AWG wires for power
General	
Size	Hand Held Control: 2 7/8" Wide, 6 1/4" High, 1" Deep Amplifier: 8" Wide, 6 3/4" High, 2 1/8" Deep
Shipping Weight	6 Lbs
Ratings Met	Class A Sound Level, California Title 13

Features

- 100/200 watt amplifier with 140 amps of light control
- Splash resistant rubberized face with built-in push button switches
- Space saving inconspicuous hand held control unit with siren and light control
- Six position rotary switch with a momentary membrane push button override
- Programmable slide switch for progressive or non-progressive control with 60 amps total capacity
- Patented optical slide switch technology for a slimmer hand held control unit profile
- 4 Membrane push button switches for 20 amps each of auxiliary light control
- PA override with noise-canceling microphone and volume control on the hand held control unit
- LED backlit for nighttime visibility and auxiliary switch legends turn red when activated
- 88 Replaceable legends
- Coiled serial line from hand held control unit to amplifier with phone styled connector
- Programmable DIP switch options
- 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
- Exposed fuses to protect the siren and each output
- Detachable connector with screwdown terminals for siren
- Heavy duty screwdown terminals for the lever/slide switch and auxiliary switch light control outputs
- No-hassle 5-year limited warranty

	SC-550 STEALTH	Federal Signal 650 Series	Signal Vehicle Products (SVP) LCS880	Signal Vehicle Products (SVP) LCS881
Rotary Switch for Siren Tone Selection	Yes			
Optical Slide Switch Technology	Yes			
Progressive Slide or Lever Switch for Primary Light Control	Yes		Yes	Yes
Non-Progressive Slide or Lever Switch Option	Yes			
4 Auxiliary Light Control Switches	Yes		Yes	Yes
Splash Resistant Enclosed Membrane Switches and Face	Yes			
Total Light Control Capacity	140 Amps	60 Amps	140 Amps	140 Amps
Total Siren Output Capacity	200 Watts	100 Watts	200 Watts	200 Watts
Shipping Weight	5.5 lbs.	7 lbs.	8.5 lbs.	9.25 lbs.
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)