



## "The Compact Full Featured Mechanical Tone Siren"

Introducing the new **SA-500M Cruiser Mechanical** siren....the smallest full featured Mechanical tone siren on the market today! At only 2 1/8" high, this rugged console mount model is ideally designed to overcome the space constraint challenges of today's heavily equipped emergency vehicles.

In addition to being compact, this siren has the unique ability to change the way drivers perceive emergency vehicles. With its authentic Mechanical tone and replica Stutter air horn, the *Cruiser Mechanical* creates the belief that a "Big Engine" or large emergency vehicle is approaching causing drivers to instinctively pull over. This effectiveness at clearing traffic is key in helping reduce call response time, emergency vehicle near-misses, accidents and injuries when en route to calls.

- **Mechanical Tone:** This siren's deep and gutsy Mechanical tone allows you to sound just like a fire truck when clearing trafic. This siren will set you apart from the rest.

- **Carson Air Horn:** This replica Stutter air horn tone provides that distinctive "Big Engine" horn sound without the need for bulky air tanks and compressors.

- 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.

- **DIP Switch Programmable:** Flexible DIP Switch programming allows the installer to sample different settings before selecting desired functions. Options include replacing Phaser with Two-Tone/HiLo, Manual Mechanical, Manual Wail, selecting Horn Ring Cycler 2 operation through the auxiliary input, setting the rotary selector switch default tone to Wail, and setting the auxiliary input and cutout input polarity.

- LED Backlighting: Just as incandescent lights in a regular lamp burn out regularly, an incandescent bulb in a siren has a limited life and often fails. LEDs used for backlighting are designed to last the life of the product and never burn out or need to be changed.

The SA-500M Cruiser MECHANICAL....changing perception to clear the way.

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| <b>Specifications</b>                            |   | Feat       |
|--|---|------------|
| Siren  |   | 400/0      |
| Input Voltage                                    | 9 - 16 VDC (negative ground)  | - 100/2    |
| Input Current                                    |   | - Four p   |
| Standby Current                                  |   | positio    |
| Speaker Load                                     | 1 or 2 Speakers (11 ohm, 100W)  | poont      |
| Audio Frequency                                  |   | and R      |
| Audio Distortion                                 | Less than 3% (@ 1kHz - single 100W speaker)   |            |
|  | 40W (@ 14 VDC per 100W speaker)   | - Carso    |
|  | 0.75V RMS Min., 400 ohms <u>+</u> 10%   | - Two r    |
| Output Fower                                     | 105W RMS Max (@ 15 VDC - single 100W speaker)<br>180W RMS Max (@ 15 VDC - dual 100W speakers) | and A      |
| Siren Frequency                                  | 700Hz - 1500Hz (Mechanical 700Hz - 1600Hz)  |            |
|  | Two-Tone = 435Hz & 585Hz  | - PA ov    |
| Tones/Cycle Rates                                |   | 0          |
|  | Phaser = 15 CPS, Two-Tone = 60 CPM  | - Separ    |
| High Voltage Protection<br>Short Circuit Current | 16 - 18 VDC output ceases, resumes at normal level  | of the     |
| Short Circuit Current                            | 50 Amps Min. (supply circuit must provide for 1 second until fuse blows)                      | 0          |
| Operation Temperature                            | ,   | - LED k    |
| Controls   |   | <b>•</b> • |
| Controls   | Standby and Radio), momentary push-button Horn  | - Outpu    |
|  | switch, momentary push-button Manual switch, front  | - Horn     |
|  | panel PA and Radio volume controls, auxiliary input   |            |
|  | connection programmable for positive or negative  | contro     |
|  | activation, cutout input connection programmable for  | - Intern   |
|  | positive or negative latching operation, and internal   | intern     |
| Siren Connections                                | 8-position DIP switch option selector<br>10 Pin connector: (2) positive, (2) negative,        | - Flexib   |
| Siren Connections                                | (2) speaker, (2) radio, Cutout, Auxiliary   | _          |
| General  |   | - Detac    |
|  | 6 ¼" Wide, 2 ¼" High, 5 %" Deep   | termir     |
| Shipping Weight                                  |   | (CIIIII    |
|  | Class A Sound Level, KKK  | - No-ha    |
|  |   |            |

## tures

- 200 watt amplifier
- position rotary switch for tone selection with

tions for Yelp/Phaser/Wail, Mechanical, Standby Radio

- on Air Horn with replica Stutter sound
- momentary push buttons for Manual override
- Air Horn override
- verride with noise-canceling microphone
- arate Radio and PA volume controls on the face

e unit

- backlit for nighttime visibility
- out indicator light on the face for diagnostics
- Ring Cycler 2 (HRC2) for hands free siren

rol for pursuit and rescue situations

- nally fused to protect the siren
- ible DIP switch programmable options
- chable plug connector with screw down inals for the siren
- assle 5-year limited warranty

|  |   | SA-500M<br>Cruiser Mech | Federal Signal<br>PA300 | Whelen<br>295SLSA1 | Code 3 V-Con<br>3672/3692 | Signal Vehicle<br>Products (SVP)<br>SS700 |
|--|---|-------------------------|-------------------------|--------------------|---------------------------|---|
|  | Efficient 8 Amps Max Operating<br>Current per 100 Watts of Output | Yes                     |                         |                    | Yes                       | Yes                                       |
|  | Carson Air Horn w/Stutter Sound                                   | Yes                     |                         |                    |                           |   |
|  | Mechanical Tone   | Yes                     |                         | Yes                |                           |   |
|  | Flexible DIP Switch<br>Programmability                            | Yes                     |                         | Yes                | Yes                       |   |
|  | Dedicated On/Off Switch   | Yes                     |                         | Yes                |                           | Yes                                       |
|  | LED Backlit   | Yes                     |                         | Yes                |                           | Yes                                       |
|  | Siren Height  | 2 1/8"                  | 2 1/2"                  | 2 1/2"             | 2 1/2"                    | 2 1/2"                                    |
|  | 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 **A** (7 immediate vicinity. (Ref. OSHA 1910.95 for occupational noise exposure guidelines)

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