

THE
SA-400M
 CLASSIC
 MECHANICAL

from

CARSON
 SIRENS



“Classic Style.....Modern Innovation”

The **SA-400M Classic Mechanical** siren is aptly named. Building on the foundation of the industry “standard” **SA-400 Classic**, this next generation siren combines the rugged dependability of its predecessor with a classic Mechanical Tone, powerful, new Carson Air Horn and distinctive retro look. The result.....a premium siren that effectively clears intersections by delivering that “Big Engine” sound that makes drivers instinctively pull over.

Call response time, safety and the reduction of accidents when en route to calls are top priorities for all first responders. With the **SA-400M Classic Mechanical**, you'll have the peace-of-mind to Run Fast, Sound Big and Arrive Safe!

- **Mechanical Tone:** This siren's deep and gutsy Mechanical tone allows you to sound just like a fire truck when clearing traffic. 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.
- **Splash Resistant Face:** Designed to keep liquids from entering the internal circuitry, the siren includes a bezel between the front panel and the label that extends just beyond where the chassis and cover meet. Additionally, there are no open holes on the face. All of the openings for the controls are protected from liquids seeping in from accidental spills.
- **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 or Horn Ring Cycler 2 operation through the auxiliary input or Siren button.
- **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-400M CLASSIC MECHANICAL...the NEW standard of excellence.**

SA-400M CLASSIC MECH



Specifications

Siren	
Input Voltage	9 - 16 VDC (negative ground)
Input Current	8 Amps or 16 Amps @ 14 VDC
Standby Current	Less than 150 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 (Mechanical 700Hz - 1600Hz) Two-Tone = 435Hz & 585Hz
Tones/Cycle Rates	Mech = 6 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 level
Short Circuit Current	50 Amps Min. from supply circuit
Operation Temperature	-15F to 140F
Controls	6 Position rotary, push button for Manual and Horn, noise canceling microphone, PA volume control, internal Radio volume adjust, auxiliary input for +/- Horn, Manual or HRC2 operation, and 8 position DIP switch option selector
Siren Connections	9 Pin connector: 2 positive, 2 negative, 2 speaker, 2 radio, and auxiliary input
General	
Size	6 1/8" Wide, 2 1/2" High, 5 3/8" Deep
Shipping Weight	5 1/2 Lbs
Ratings Met	Class A Sound Level, KKK

Features

- 100/200 watt amplifier
- Six position rotary switch for tone selection with positions for Radio, Standby, Mechanical, Wail, Yelp, and Phaser
- Carson Air Horn with replica Stutter sound
- Momentary push button for air horn and Manual siren control
- PA override with noise-canceling microphone and a dedicated volume control on the face of the unit
- LED backlit for nighttime visibility
- Splash resistant face for demanding environment protects internal circuitry from liquids
- Horn Ring Cyclor 2 (HRC2) for hands free siren control for pursuit and rescue situations
- Externally fused to protect the siren
- Flexible DIP switch programmable options
- Detachable plug connector
- No-hassle 5-year limited warranty

	SA-400M CLASSIC MECH	Federal Signal PA300	Whelen 295SLSA1	Code 3 V-Con 3672/3692	Signal Vehicle Products (SVP) SS700
Efficient 8 Amps Max Operating Current per 100 Watts of Output	Yes			Yes	Yes
Splash Resistant Face	Yes				
Flexible DIP Switch Programmability	Yes		Yes	Yes	
LED Backlit	Yes		Yes		Yes
Dedicated On/Off Switch	Yes		Yes		Yes
Carson Air Horn	Yes				
Mechanical Tone	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)