

SA-380 ALERT



THE SA-380 ALERT

from

CARSON
SIRENS

"Affordable Siren with PA"

Why pay premiums for features that many people don't use? That is why we have developed the new **SA-380 ALERT**. In our research we discovered there were certain features that are sometimes being "under utilized" by many in the industry. The **ALERT** represents the culmination of our research done with installers and end-users on the features that are most highly desired while eliminating the price inflating under utilized features common on most sirens. The result is a compact, easy to install and operate siren that provides the end-user just what they need.

The **SA-380 ALERT** has many of the most popular features including the following:

- **Output Diagnostics Indicator:** Sensors at the speaker lead wire connection on the printed circuit board 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.
- **Enable or Instant On Control:** Provide power to the siren through the Enable line connected to an external switch like the vehicle's ignition or select Instant On activation using any switch on the siren.
- **DIP Switch Programmable:** Flexible DIP Switch programming allows the installer to sample different settings before selecting desired functions. Options include disabling Phaser and Air Horn to be California Title 13 compatible, replacing Phaser with Two-Tone/HiLo, Short Manual, selecting Air Horn or Horn Ring Cycler 2 operation through the auxiliary input, setting the auxiliary input polarity, and choosing Instant On control of the siren.
- **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.
- **Compact Extruded Cover with Channel Mounting:** Sleek, stylish, 2" tall extruded cover offers greater heat dissipation and the mounting channels offer greater versatility in mounting depth.

The **SA-380 ALERT** is just what you need.

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Specifications

Siren	
Input Voltage	9 - 16 VDC (negative ground)
Input Current	8 Amps @ 14 VDC
Standby Current	Less than 75 ma
Audio Frequency	200Hz - 10kHz +/- 3db
Audio Distortion	Less than 3% (@ 1kHz - single 100W speaker)
Audio Output	40W (@ 14 VDC per 100W speaker)
Output Power	105W RMS Max (@ 15 VDC - single 100W speaker)
Siren Frequency	700Hz - 1500Hz (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
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	
4 Position rotary, push button for Manual and Horn, noise canceling microphone, PA volume control, auxiliary input for +/- Horn, Manual or HRC2 operation, and 8 position DIP switch option selector	
Siren Connections	
6 Lead Wires: positive with in-line fuse, negative, 2 speaker, auxiliary input, and remote enable input	
General	
Size	6" Wide, 2" High, 6" Deep
Shipping Weight	3 1/2 Lbs
Ratings Met	Class A Sound Level, California Title 13

Features

- Compact 100 watt amplifier
- Four position rotary switch for tone selection with positions for Wail, Yelp, and Phaser
- Momentary push button for Manual and Air Horn override
- PA override with noise-canceling microphone
- PA volume controls on the face of the unit
- LED backlit for nighttime visibility
- Output indicator light on the face for diagnostics
- Horn Ring Cyclor 2 (HRC2) for hands free siren control for pursuit and rescue situations
- Externally Exposed In-Line fuse to protect the siren
- Flexible DIP switch programmable options
- Enable Input or Instant On operation selected on the DIP switch to power up the siren
- Short Manual option
- Six lead wire connections
- No-hassle 5-year limited warranty

	SA-380 ALERT	Federal Signal PA300	Whelen 295HF100	Code 3 Scorpion 3932	Able 2/Sho-Me 30.2100
Flexible DIP Switch Programmability	Yes				
LED Backlit	Yes		Yes	Yes	
Dedicated On/Off Switch	Yes		Yes		Yes
Fused Power Input	Yes	Yes	Yes		
75m Amps or Less Standby Current	Yes				
Speaker Diagnostics	Yes				
Instant On or Remote Switch On/Off Control	Yes			Yes	
Compact 2" or Less in Height	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)