

THE
SA-365
DEFENDER



Simplicity is the key to the new **SA-365 Defender**. Simple to install, simple to operate and simple to afford! This basic, straightforward design is matched only by its rugged durability and reliable performance. You might notice that the SA-365 closely resembles the Carson SA-360 Defender siren. The SA-365 has, in fact, replaced the SA-360, but has not replaced the popular features and functionality that made it an industry leader.

Where the similarity between the two models ends is in chassis size. The SA-365 has been engineered with a reduced internal electronics footprint, resulting in a chassis that is almost 50% smaller than that of the SA-360. Additional features include removable terminal block wiring for simple, plug-in connection to the amplifier, and external DIP switches for easy siren customization. It's basic, straightforward design and compact size make the SA-365 an ideal choice for law enforcement, security and volunteer firefighter applications where mounting space is limited.

- **Compact** 100 watt amplifier with remote switch panel
- **Reliable** three position rocker switches feature Wail, Yelp, and Phaser or optional Two-Tone/HiLo siren tones with Manual and Air Horn override
- **DIP switch programmable** options allow siren to be customized for each installation
- **Instant-On** provides automatic power when a siren function is selected
- **Output indicator light** for diagnostics
- **Terminal block wiring** at the remote amplifier offers easy installation and serviceability
- **Hands-free Horn Ring Cycler 2 (HRC2)** enables siren tone selection through the horn ring for pursuit or rescue situations

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Specifications

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Input Voltage	10 - 16 VDC (- ground)
Input Current	8 Amps @ 14 VDC
Standby Current	NA
Output Power	105W RMS Max (@15VDC single 100W speaker)
Siren Frequency	700Hz - 1500Hz
Tones/Cycle Rates	Wail = 13CPM, Yelp = 190 CPM, Phaser = 15 CPS, Two-Tone = 60CPM
High Voltage Protection	16 - 18 VDC siren output ceases to protect speaker, resumes when at normal level
Short Circuit Current	50AMPS Min from supply circuit (supply circuit must supply for 1 second until fuse blows)
Operating Temperature	-15F to 140F
Controls	3 position siren rocker, 2 position momentary rocker for Horn and Manual, +/- auxiliary input, DIP switch options
Connections	6 Pin connector: positive, negative, 2 speaker, auxiliary
Size	Control: 4 ¹ / ₂ " W x 1 ¹³ / ₁₆ " H x 4 ¹³ / ₁₆ " D
Shipping Weight	3 lbs
Ratings Met	Class A Sound Level, California Title 13 Configurable

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	SA-365 DEFENDER	Federal Signal MS4000	Whelen Alpha 12S	Code 3 3900	SVP SS650	Sho-Me 30.2106/9	Sho-Me 30.3104	Galls ST105
Flexible DIP Switch Programmability	Yes		Yes					
Auxiliary Input & Horn Ring Capabilities	Yes		Yes	Yes	Yes			Yes
6 or More Different Siren Tones Available	Yes		Yes		Yes			Yes
Standby Current Battery Drain	0mA	60mA	175mA	35mA	20mA	30mA	30mA	20mA
Output Indicator Light for Diagnostics	Yes							
Removable Terminal Block Wiring	Yes		Yes		Yes			Yes
Size (cubic inches*)	39.3 cu. in.	46.7 cu. in.	70.3 cu. in.	102.5 cu. in.	63 cu. in.	49.5 cu. in.	49.5 cu. in.	69 cu. in.
5-Year or Greater Warranty	Yes							Yes

*Cubic Inches = H x W x D. The cubic inch sizes for the models listed above (based on published specifications) equal the amount of vehicle space required for each model.

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)

