

THE
SA-361
DEFENDER



The **SA-361 Defender** remote siren has been redesigned with a *new look* and *added functionality*! The updated **Defender** combines the same simple operation, reliable performance and full-featured siren options as the original SA-361, but in a smaller, more-compact amplifier. Size and user-friendly serviceability were the motivating factors in the redevelopment of this industry favorite. These key factors were achieved through the addition of terminal block wiring which offers simple, plug-in connection to the amplifier; and the reduction of the internal electronics footprint resulting in a smaller amplifier with more-versatile installation capabilities. The rugged **SA-361 Defender** remains the affordable choice for law enforcement, security and volunteer firefighters.

- **Compact** 100 watt amplifier with remote switch panel
- **Reliable** three position rocker switches feature Wail, Yelp, Phaser or optional Two-Tone/HiLo, Manual and Air Horn siren tones
- **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 Cyler 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	10 Pin connector: positive, negative, 2 speaker, auxiliary + and auxiliary - inputs, and 4 tone switch inputs
Size	Control: 3 ^{3/4} " W x 1 ^{1/4} " H x 1 ^{3/4} " D Amplifier: 5 ^{1/2} " W x 1 ^{13/16} " H x 4 ^{1/16} " D
Shipping Weight	3 lbs
Ratings Met	Class A Sound Level, California Title 13 Configurable

	SA-361 DEFENDER	Federal Signal MS4000U	Whelen Alpha 12R	Code 3 3920	SVP SS651	Sho-Me 30.2106/9	Sho-Me 30.2104 30.2504	Galls ST110
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							
Amp Size (cubic inches*)	47 cu. in.	53 cu. in.	67 cu. in.	49 cu. in.	63 cu. in.	56 cu. in.	56 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)

