

Carson Sirens

SA-441-10

“Two Sirens In One”



Full Feature Siren

Durable 14 Volt 200 Watt Electronic Siren Amplifier
Wail, Yelp, Manual, Phaser, Air Horn Siren Tones
Six Position Rotary Switch with Push Button Override
P.A. Override with Attached Noise Canceling Microphone
Two Independent Siren Amplifiers - Dual Sound Mode

Field Selectable Options

Horn Ring Cycler (HRC)
Two-Tone
Tone Disable, Etc.

Rugged & Reliable

High Voltage, Short Circuit, & Reverse Polarity Protection
Minimal Heat Generation – No Vent Holes

Approvals

Meets Class A Sound Level Output
California Title 13 Configurable
Meets KKK-A-1822C for ambulance

Technical Support

Our Factory Technicians Support Installation, Troubleshooting and Repair

Five Year Limited Warranty

www.carsonsirens.com

1-888-577-6877

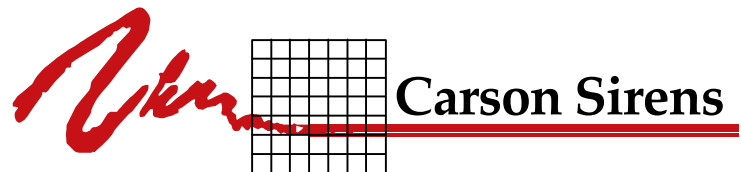
SA-441-10F

Specifications

Input Voltage	11 - 16 VDC (negative ground)				
Input Current	17 AMPS (@14 VDC - dual 100W speakers)				
Standby Current	Less than 250 mA				
Audio Frequency	200Hz - 10 kHz \pm 3db				
Audio Distortion	Less than 3% (@1 kHz)				
Audio Output	80 watts (@14 VDC - dual 100W speaker)				
Radio Input	0.75 VRMS Min., 400 ohms nominal				
Output Power	210 WATTS RMS MAX. (15 VDC - dual 100W speakers)				
Siren Frequency	700Hz - 1500Hz (Two-Tone and Horn = 435 & 585Hz)				
Tones / Cycle Rates	Horn	Wail	Yelp	Phaser	Two-Tone
	109 CPS	13 CPM	190 CPM	15 CPS	60 CPM
High Voltage Protection	16 - 18 VDC will cause siren output to cease, resume at normal, protects speaker from overpower				
Short Circuit Current	50 AMPS (supply circuit must be capable of supplying this)				
Operating Temperature	-15° F to +140°F				
Head Controls	6-position rotary mode switch (Phaser, Yelp, Wail, Manual, Horn and Radio). Momentary push-button Siren switch. Front panel mounted PA volume control. Dual Tone toggle switch. Auxiliary input for positive or negative connection.				
Amplifier Settings	Radio Volume Adjust and 8-position DIP switch option selector.				
Head Connections	Positive, Negative, Auxiliary, Control Output, Backlight Input				
Amplifier Connections	(2) Positive, (2) Negative, (3) Speaker, (2) Radio, Control Input				
Amplifier Size	8" Wide, 6-3/4" Deep, 2-1/8" High				
Head Size	6 1/4" Wide, 1"Deep, 2 7/8" High				
Shipping Weight	6 LBS.				
Optional Models Include	Detachable Microphone / 28volt / Positive Ground / FX Meets Class A Sound Level Tests / California Title 13 Configurable / Meets KKK-A-1822 for Ambulance				

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)

Specifications subject to change without notice.



Carson Manufacturing, established in 1946, has designed and manufactured hundreds of thousands of sirens. The original inventor of the electronic siren started working for Carson in 1972, laying the groundwork for high quality sirens we build today. Through continuous development, we have remained at the forefront of providing reliable, functional and durable electronic sirens.

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