

Electronic Siren

The 295SL Series is a full-function siren with radio repeat and public address, providing maximum warning protection in a compact design. Engineered as a self-contained unit for under-dash mounting, the 295SL Series is available with a hard-wired or removable microphone.



FEATURES

- Meets SAE Class A and California Title XIII requirements for sound output when paired with one Whelen 100 watt speaker
- Models are available with a hard-wired unidirectional microphone or a removable microphone with volume control knob
- Hands-free operation (vehicle horn button activated)
- 20 Scan-Lock™ siren tones
- The 295SL allows for user selectable siren tones via the momentary recessed switch, located on the rear of the unit
- Choose the placement of each siren tone on the rotary knob for complete user customization
- Operates up to two 100 watt speakers
- Two manual functions allow for additional siren tone choices
- PTT (push-to-talk) switch on microphone overrides all siren functions
- Combination On/Off and horn ring transfer switch
- Adjustable preset microphone volume
- Adjustable preset radio repeat volume
- Input polarity protection
- Output short circuit protection
- External spade-type fuse
- Bi-polarity horn/ring control activation
- “Aux Enable” activates siren tones via input (slide switch, power controls, or relay-to-ground connection)
- Quick disconnect plug for ease of service or replacement

- SI TEST®, fully diagnostic silent test of amplifier and speaker(s)
- Backward compatible to the original 295HF100 and WS2100 Series connector
- Adjustable bail bracket allows the mounting of the siren in a variety of positions
- 24 VDC models available, contact factory
- Size: 3.19” (8.09cm) H, 6.03” (15.31cm) W, 5.50” (13.97cm) D
- Two year warranty

MODELS

295SL100	12 VDC hard-wired microphone
295SL101	Removable microphone with volume control knob
WPKM1	Park Kill connection modules, 30 amp

SPECIFICATIONS

- Input Voltage: 10-16VDC
- Polarity: Negative ground
- Polarity Protection: Diode / Fuse
- Output Power: (2) 100 Watt Speakers
- Output Load: Two 11 OHM Speakers
- Input Current: 0 MA (OFF)
- Standby Current: 100 MA (max) (backlight off)
- Backlight Current: 150 MA (max)
- Operating Current: 16 AMPS (max)
- Fuse: 20 AMP auto fuse
- Fuse Mounting: Rear Panel
- Output Short Protection: Fuse
- Audio Frequency Range: 300Hz - 10000Hz +/-3dB
- Distortion: <5% @ 1KHz @ 25 Watts
- Radio Input Impedance: 1500 OHMS
- Horn / Ring Control: +/- 12VDC or ground
- Operating Temperature: -30 / +80 Degree C
- Operating Humidity: 99% non condensing
- Connector: 12 pin AMP Mate-N-Lok®, 24" pigtail wires

HANDS-FREE, T1, T2, & T3

- Tone-Off
- Wail
- Yelp
- Piercer
- Y-249 (Yelp 249)
- Hi/Low
- Simulated Mechanical
- Pulsed Airhorn
- Airhorn Hi/Low
- Woop
- Warble

Wail, Yelp & Y-249 are California
Title-13 Compliant Siren Tones

OVERRIDE, T1, T2, & T3

- Tone-Off
- Wail
- Yelp
- Piercer
- Y-249 (Yelp 249)
- Hi/Low
- Simulated Mechanical
- Pulsed Airhorn
- Airhorn Hi/Low
- Woop
- Warble
- Airhorn
- Low Frequency Airhorn

FOR MAN1 & MAN2 OPERATION

- Tone-Off
- Simulated Mechanical Coast-to-Stop
- Simulated Mechanical Stop
- Wail Coast-to-Stop
- Wail Stop
- Airhorn
- Low Frequency Airhorn



295SL100 Console Mount

WHELEN®

51 Winthrop Road
Chester, Connecticut 06412-0684
(860) 526-9504 www.whelen.com

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