

295 HANDS-FREE SIREN SERIES



Designed & Manufactured in the U.S.A.



295 HANDS-FREE SIREN SERIES

WHELEN[®]
Engineers For The Emergency Warning Industry

Form #SS0806

295HFS & 295SL SERIES HANDS-FREE ELECTRONIC SIRENS FEATURES



- Six functions plus radio repeat and public address.
- “Hands-Free” operation. Turn On/Off and access all three siren tones without removing hands from the steering wheel.
- SI Test®, silent, self-diagnostic indicator of siren or speaker failure, standard on all 295HFS models.
- Combination On/Off and horn ring transfer switch.
- Pre-wired and removable unidirectional microphones.
- Adjustable microphone and radio repeat volume controls.
- 295HFSC9 and 295HFSA1 now have a “park-kill” feature which disables the siren when the vehicle is in park.
- 295HFSA5/6 has “park-kill” PLUS a timed-out relay for shotgun lock, trunk lock, etc.
- Backlighting in soft LED non-glare green, 295SL100/101 uses an amber LED backlight.
- 295SL100/101 models include Scan-Lock™ Siren Tones (Pat. # RE38,795) allowing user selectable siren tones via a momentary recessed switch located on the rear of the unit. Choose the placement of each siren tone on rotary knob for complete user customization.
- Solid-state over/under voltage shutdown and output short circuit protection.
- Input polarity protection.
- External spade-type fuse.

- Adjustable bail bracket allows mounting of unit in a variety of positions.
- Activate siren tones via “Aux. Enable” input (slide switch, power controls, or relay-to-ground connection).
- Locking quick disconnect plug for ease of service or replacement.
- Selectable 100 or 200 watt output, standard on HFS Series (up to two 100 watt speakers on Model 295SL Series).
- Meets/exceeds Class A requirements of SAE, AMECA, KKK1822 & California Title XIII specifications.

Keep both hands on the wheel, both eyes on the road, and you're still in full control of emergency warning with Whelen electronic sirens. In “hands-free” mode, a 295 Series siren will be in “stand-by” mode awaiting instructions.

You can turn the siren On, activate WAIL, YELP or PIERCER TONES and turn the unit Off from the horn ring. No more eyes off the road while fumbling for the siren controls with one hand!

Model 295HFS Series amplifiers are microprocessor controlled and rated for 100 or 200 watt output (295SL Serie's rated for up to two 100 watt speakers). Standard features include Radio Rebroadcast, Public Address, Manual, Wail, Yelp, Airhorn, and Piercer tones. PTT (Push To Talk) switch on unidirectional microphone over-rides all siren functions.

All siren functions are backlit in a soft, non-glare green for ease of nighttime visibility except 295SL100/101 which has amber backlighting. Contemporary styling complements most Whelen power controls and Traffic Advisor control consoles for proper aesthetic stacking. An adjustable bail bracket allows mounting in a variety of positions. Each model is mounted on a slide out chassis, with an integral quick disconnect plug for ease of maintenance or replacement.

In 295HFS models, SI Test® provides a significant risk management advantage. Two different real time diagnostic tests include: Continuous dynamic testing during normal siren operations and a unique silent test while in the “radio” mode with the “manual” button depressed.

During either operation, one or both red LED lamps will extinguish instantly upon sensing a siren or speaker(s) malfunction. SI Test® instantly assures you of proper warning capability and two speaker operation for high risk situations. It also eliminates the need for annoying siren “blasts” during vehicle inspections or shift changes. Only Whelen offers this “silent” testing.



WHELEN HANDS-FREE SIREN SERIES



All 295HFS Series sirens have standard (HDP) 5 year warranties, 295SL Series have a 2 year warranty!

MODEL 295SL100 & 295SL101

"HANDS-FREE" 100 WATT ELECTRONIC SIREN WITH SCAN-LOCK™ SIREN TONES

- Economically priced.
- Operates up to two 100 watt speakers.
- Six function siren plus radio repeat and public address.
- Scan-Lock™ Siren Tones (Pat. # RE38,795) allow for user selectable siren tones via momentary recessed switch located on the rear of the unit.
- Meets California Title 13 & SAE J1849 specifications.
- Self-contained unit for under-dash mounting.
- Two models to choose from: 295SL100 with hard-wired microphone or 295SL101 with removable microphone and volume control knob.
- Two year warranty.
- Backward compatible to the original 295HF100 and WS2100 Series connector.



295SL100, hard wired microphone



295SL101, removable microphone with volume control knob

MODEL 295HFA1

HANDS-FREE ELECTRONIC SIREN AMPLIFIER

- "Park-Kill" feature disables the siren when the vehicle is in park.
- Volume control knob on faceplate standard.
- Selectable 100 or 200 watt output, standard.
- SI Test®, a silent self-diagnostic feature which provides real time indication of proper siren/speaker operation. Two different diagnostic tests include: Continuous dynamic testing during normal siren operations and silent testing while in "radio" mode with the "manual" button depressed.



OPTIONS

- **295HFSM1**, Similar to the 295HFA1, except with electronic mechanical siren tone in replacement of Piercer™ tone.
- **295HFSW1**, Similar to the 295HFA1, except with a power call type tone in replacement of Piercer tone.

MODEL 295HFS4 - HANDS-FREE REMOTE SIREN AMPLIFIER

- Surface or under-dash mount control head, with 9-Switch Light Control.
- Directly compatible with Whelen Edge® 9M, Ultra, Ultra Freedom, LFL Patriot and LFL Liberty™ "LC" Low Current Lightbars.
- Compatible with other lightbars and warning devices via a solid-state switching module or relays, customer supplied.
- Selectable 100 or 200 watt output, standard.
- Six function siren plus radio repeat and public address.
- Four position slide switch and six push-on/push-off switches (one momentary).
- Slide switch controls three separate primary warning light functions and can be wired to turn on siren in "full pursuit" mode.
- Push button switches control secondary functions.
- Each slide switch position and push button switch has a colored LED indicator for operating status display.
- Push button switches have a green/red LED indicator for operating status.
- Choice of 36 press-on legend tabs.
- SI Test®, a silent self-diagnostic feature which provides real time indication of proper equipment operation. Two different diagnostic tests include: Continuous dynamic testing during normal siren operations, and silent testing while in "radio" mode with the "manual" button depressed. Interconnection between control head and remote amplifier via three small, #18 gauge wires. All other connections are to the remote amplifier 12-pin plug.

OPTIONS **MODEL 295HFSDA:** Second amplifier kit for dual siren amplifier use.

MODEL SWGBKT: Swing away bracket for 295HFS4.

MODEL 295HFS2

HANDS-FREE REMOTE SIREN AMPLIFIER

- Flush mount control head.
- Selectable 100 or 200 watt output, standard.
- SI Test®, a silent self-diagnostic feature which provides real time indication of proper siren/speaker operation. Two different diagnostic tests include: Continuous dynamic testing during normal siren operations, and silent testing while in "radio" mode with the "manual" button depressed.
- Interconnection between control head and remote amplifier via three small, #18 gauge wires. All other connections are to the remote amplifier 12-pin plug.



OPTIONS

MODEL 295HFS2X: 295HFS2 with dual amplifiers, meets California Title 13 requirements.

MODEL 295HFSDA: Second amplifier kit for dual siren amplifier use.

MODEL 295HFS3

HANDS-FREE REMOTE ELECTRONIC SIREN AMPLIFIER

- Surface or under-dash mount control head.
- Selectable 100 or 200 watt output, standard.
- SI Test®, a silent self-diagnostic feature which provides real time indication of proper siren/speaker operation. Two different diagnostic tests include: Continuous dynamic testing during normal siren operations, and silent testing while in "radio" mode with the "manual" button depressed.
- Interconnection between control head and remote amplifier via three small, #18 gauge wires. All other connections are to the remote amplifier 12-pin plug.

OPTION

MODEL 295HFSDA: Second amplifier kit for dual siren amplifier use.



Optional Swing Away Bracket

WHELEN HANDS-FREE SIREN SERIES



Model 295HFSA8
Surface Mount

Siren Amplifier



MODEL 295HFSA5

LOW CURRENT SWITCHING

MODEL 295HFSA6

HIGH CURRENT SWITCHING



HANDS-FREE ELECTRONIC SIRENS WITH 9-SWITCH LIGHT CONTROL, PARK-KILL & TIMED OUT RELAY

- "Park-Kill" feature disables the siren tone when the vehicle is in park.
- Timed-Out Relay for shotgun lock, trunk lock, etc.
- Six function siren plus radio repeat and public address.
- Four position slide switch & six push-on/push-off switches (one momentary).
- Model 295HFSA5 features low current switching: a four-position, three function slide switch which controls three separate primary warning light functions and can be wired to turn on siren in "full pursuit" mode, plus six push-on/push-off switches (one momentary switch).
- Selectable 100 or 200 watt output, standard.
- Model 295HFSA6 has the same switch configuration but the slide switch and push buttons control nine state-of-the-art, internal high-current solid-state drivers. Each of the 6 push buttons activate one 10 amp output. Slide switch activates a 20 amp circuit, and can be wired, via a dip switch to control a 3 position program pattern. The 6th position push button may be dip switch set for momentary, 8 second timer, latch-on/latch-off, or flasher modes.
- Most high current applications such as strobe power supplies, headlight and brakelight flashers can be controlled by the 295HFSA6.
- Push-button switches control secondary functions.
- Each slide switch position has different colored LED "On" indicator.
- Push button switches have a green/red LED indicator for operating status display.
- Choice of 36 press-on legend tabs.
- SI Test®, a silent self-diagnostic feature which provides real time indication of proper siren/speaker operation. Two different diagnostic tests include: Continuous dynamic testing during normal siren operations and silent testing while in "radio" mode with the "manual" button depressed.

OPTIONS 295HFMS5: Similar to the 295HFSA5, except with electronic mechanical siren tone in place of Piercer tone.

All 295HFS Series sirens may be modified to comply with California Title XIII requirements. Both 295SL Series sirens can be configured by the Scan-Lock™ siren tones to meet California Title XIII requirements.

DISTRIBUTED BY

MODEL 295HFSA7 - FLUSH MOUNT CONTROL HEAD MODEL 295HFSA8 - SURFACE MOUNT CONTROL HEAD

REMOTE DUAL HANDS-FREE ELECTRONIC SIREN 200 WATT AMPLIFIER & CONTROL HEAD

- Economical six function siren plus radio repeat and public address.
- Meets SAE J1849 & California Title 13 specifications.
- Operates two 100-watt speakers.
- Operates in dual, (outputs 2 independent siren tones creating rich harmonic dual tone sound) or mono sound control modes.
- External dip switch provides selectable modes of operation.
- "Hands-Free" operation. Turn On/Off and access all siren tones without taking hands from steering wheel.
- PTT (push to talk) switch on microphone overrides all siren functions.
- Removable unidirectional microphone.
- Adjustable microphone volume & adjustable preset radio repeat volume.
- Input polarity protection.
- Output short circuit protection.
- External mini spade-type fuse.
- Bi-polarity horn/ring control activation.
- Quick disconnect plug for ease of service or replacement.
- Complements all Whelen's under dash products.
- Tones for 295HFSA7/8 & 295HFSC9 are Wail, Yelp, Piercer, Mechanical, Hi-Low, Yelp 249, Whoop and Warble (a.k.a. Power Call tone).

MODEL 295HFSC9

DUAL HANDS-FREE ELECTRONIC SIREN 200 WATT AMPLIFIER

- Offers the same features as 295HFSA7 & 295HFSA8 (above) except it's self-contained and does not include an external fuse.
- "Park-Kill" feature disables the siren tone when the vehicle is in park.



Model 295HFSC9

ENGINEERS FOR THE EMERGENCY WARNING INDUSTRY

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