

NEW PRODUCT

295 Series

HANDS-FREE ELECTRONIC SIRENS

SIRENS
SPEAKERS
SWITCHES

New!
Model
295SDA1



When technology takes a step up,
so do the engineers at
Whelen Engineering Company!

WHELEN[®]
ENGINEERING COMPANY, INC.

295 SERIES HANDS-FREE ELECTRONIC SIREN FEATURES

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" operation mode, you can turn the siren On, activate Wail, Yelp or Piercer Tones and turn the unit Off from the horn ring without removing hands from the steering wheel.

- Meets/exceeds Class A requirements of SAE, AMECA, KKK1822 & California Title XIII specifications.
- Combination On/Off and horn ring transfer switch.
- 295HFS amplifiers are microprocessor controlled and rated for selectable 100 or 200 watt output standard.
- Models with pre-wired microphones and optional removable unidirectional microphones for easy replacement. Volume control knob standard on some models.
- PTT (Push To Talk) switch on unidirectional microphone overrides all siren functions.
- Scan-Lock™ Siren Tones (Pat. # RE38,795) allows for user selectable siren tones via momentary recessed switch located on the rear of the unit. Choose the placement of each siren tone on rotary knob.
- All siren functions are backlit in a soft, non-glare light for ease of nighttime visibility.
- An adjustable bail bracket allows mounting in a variety of positions. Each self-contained siren amplifier is mounted on a slide out chassis with an integral quick disconnect plug for ease of maintenance or replacement.
- SI TEST®, silent, self-diagnostic indicator of siren or speaker failure, standard on all 295HFS/295SLS Series. Two different real time tests include: Continuous dynamic testing during normal siren operations and a unique silent test, eliminating the need for annoying siren "blasts". 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.
- Solid-state over/under voltage shutdown and output short circuit protection.
- Input polarity protection.
- External spade-type fuse.
- Activate siren tones via "Auxiliary Enable" input (slide switch, power controls, or relay-to-ground connection).
- Locking quick disconnect plug for ease of service or replacement.

295 SERIES SIREN TONES

295SLSA6/295SLSC6

19 Scan-Lock™ Siren Tones

- Tone Off • Wail • Yelp • Piercer • Yelp 249
- Hi/Low • Simulated Mechanical Tone
- Pulsed Airhorn • Airhorn Hi/Low • Alternate Wail
- Alternate Yelp • Whoop • Warble • Airhorn
- Low Frequency Airhorn • Manual Simulated Mechanical Coast to Stop • Manual Simulated Mechanical Stop • Manual Wail Coast to Stop • Manual Wail Stop

295SL100, 295SL101

19 Scan-Lock Siren Tones

- Tone Off • Wail • Yelp • Piercer • Yelp 249
- Hi/Low • Simulated Mechanical • Pulsed Airhorn
- Airhorn Hi/Low • Whoop • Warble
- Manual Simulated Mechanical Coast to Stop
- Manual Simulated Mechanical Stop • Manual Wail Coast to Stop • Manual Wail Stop • Airhorn
- Low Frequency Airhorn • Airhorn Command Code • Airhorn Low Command Code

295SDA1

20 Scan-Lock Siren Tones

- Tone Off • Wail • Yelp • Piercer • Yelp 249
- Airhorn Command Code • Airhorn Low Command Code • Hi/Low • Simulated Mechanical • Pulsed Airhorn • Airhorn Hi/Low • Alternate Wail • Alternate Yelp • Whoop • Warble • Airhorn • Low Frequency Airhorn • Manual Simulated Mechanical Coast to Stop • Manual Simulated Mechanical Stop • Manual Wail Coast to Stop • Manual Wail Stop

295SLSA1/295SLSC1

21 Scan-Lock Siren Tones

- Tone Off • Wail • Yelp • Piercer • Yelp 249
- Airhorn Command Code • Airhorn Low Command Code • Hi/Low • Simulated Mechanical • Pulsed Airhorn • Airhorn Hi/Low • Alternate Wail • Alternate Yelp • Whoop • Warble • Airhorn • Low Frequency Airhorn • Manual Simulated Mechanical Coast to Stop • Manual Simulated Mechanical Stop • Manual Wail Coast to Stop • Manual Wail Stop

295HFS2/295HFDA, 295HFS3/295HFDA, 295HFS4/295HFDA, 295HFSA5

4 Siren Tones • Wail • Yelp • Airhorn • Piercer

295HFSA7, 295HFSC9

12 Siren Tones

- Airhorn • Wail • Yelp • Piercer • Manual Coast to Stop • Manual • Mechanical Coast to Stop • Hi/Low • Yelp 249 • Warble • Whoop • Mechanical Tone

MODEL 295SDA1

DUAL-TONED REMOTE SIREN & POWER CONTROLLER

- Two independent siren amplifiers in one housing, each can drive one 100 watt siren speaker.
- Short circuit protection and under/over voltage protection.
- LED fault indicators for speaker and input voltage diagnostics.
- Title 13 compliant tone set-up with 20 programmable Scan-Lock tones.
- Any combination of 2 tones can be programmed to any siren tone switch.
- Siren disable (Park Kill) control input and includes Radio Repeat and PA.
- Horn-ring transfer relay built-in.
- Siren "in use" video recorder icon appears on video recording to confirm siren was in use.
- When operating as a dual tone siren, two speakers are required.
- Choice of 36 press-on legend tabs.
- Eleven programmable power distribution switches (one 3 position slide switch & 8 momentary switches).
- Three 20 amp relay controlled outputs with built-in fuses.
- Eight 10 amp relay controlled outputs with built-in fuses (two of them include a choice of independent inputs or the standard power bus switching).
- Two wire Traffic Advisor control.
- Programming cannot be activated by a user in the cab.
- All switches can be programmed to activate any combination of the relay outputs.
- Any light control switch can be programmed to activate any of the 8 momentary switches. Momentary switches can be programmed to be activated as either a push-on/push-off, momentary, flashing, timed output, or TA control.
- Any 11 switches can be programmed to activate the siren into Hands-Free mode.
- Copy siren/switch configuration to another unit with "cloning" feature.
- Easy reset to factory default settings.
- Two year warranty.
- Sizes, Controller: 3-1/2" (89mm) H x 6-7/8" (175mm) W x 1-1/4" (32mm) D. Amplifier: 2-1/4" (57mm) H x 8-5/8" (219mm) W x 7-1/8" (180mm) D. Weight: 5.25 lbs. (2.38kg).

Model 295SDA1 Dual-toned remote siren and power controller.



295 SERIES HANDS-FREE SIRENS

MODEL 295SL100 & 295SL101

SELF-CONTAINED, 100 WATT SIREN with SCAN-LOCK™ SIREN TONES

- Economically priced and operates up to two 100 watt speakers.
- Six function siren plus radio repeat and public address.
- Backward compatible to the original 295HF100 and WS2100 Series connector.
- 19 Scan-Lock siren tones.
- Meets California Title XIII & SAE J1849 specifications.
- Self-contained unit for under-dash mounting.
- Size: 2-1/2" (64mm) H x 6" (152mm) W x 5-1/2" (140mm) D. Weight: 4 lbs. (1.8kg)
- Two year warranty.



295SL100



295SL101

Model 295SL100 Hard-wired microphone.

Model 295SL101 Removable microphone and volume control knob.

WPKM1 Park Kill Connection Modules, 30 Amp

MODEL 295HFS2

FLUSH MOUNT with REMOTE SIREN AMPLIFIER

- Flush mount control head with selectable 100 or 200 watt output.
- SI TEST®, silent diagnostic test.
- 5 year HDP® (Heavy-Duty Professional) warranty.
- Size, Control Head: 2-7/8" (73mm) H x 6-1/4" (159mm) W x 2-3/8" (60mm) D. Weight 1 lb. (.5kg)
Amplifier: 2-3/8" (60mm) H x 6" (152mm) W x 7" (178mm) D. Weight: 3-1/2 lbs. (1.6kg)



Model 295HFS2 Remote Siren Amplifier (Flush Mount Head).

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

Model 295HFSDA Second amplifier kit for dual siren amplifier use.

MODEL 295HFS4

LIGHTS and SIREN CONTROL, LOW CURRENT, SURFACE or UNDER-DASH MOUNT with REMOTE SIREN AMPLIFIER

- Nine switch light control, six function siren.
- Selectable 100 or 200 watt output and low current switching.
- Low current draws 250 milliamps or less to activate, for use with low current Whelen lights.
- Four position slide switch and five push-on/push-off switches and one momentary switch. 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 includes LED indicator for operating status.
- SI TEST, silent diagnostic test.
- Compatible with Whelen Edge® Ultra Freedom™, Liberty™ and Justice® low current lightbars and other lightbars & warning devices, contact factory.
- Choice of 36 press-on legend tabs.
- 5 year HDP (Heavy-Duty Professional) warranty.
- Size, Control Head: 3-3/8" (86mm) H x 6" (152mm) W x 2-3/8" (60mm) D. Weight: 1-1/2 lbs. (.68kg)
Amplifier: 2-3/8" (60mm) H x 6" (152mm) W x 7" (178mm) D. Weight: 3-1/2 lbs. (1.6kg)



Model 295HFS4 Hard-wired microphone.

Model 295HFSDA Second amplifier kit for dual siren amplifier use.

MODEL 295SLSA1

SELF-CONTAINED, with SCAN-LOCK SIREN TONES

- Selectable 100 or 200 watt output.
- "Park-Kill" feature disables the siren when the vehicle is in park.
- Volume control knob on faceplate standard.
- 21 Scan-Lock siren tones.
- SI TEST, silent diagnostic test.
- 5 year HDP (Heavy-Duty Professional) warranty.
- Size: 2-1/2" (64mm) H x 6" (152mm) W x 6-7/8" (175mm) D. Weight: 5 lbs. (2.27kg)



Model 295SLSA1 Hard-wired microphone.

Model 295SLSA1 Removable microphone and volume control knob.

MODEL 295HFS3

COMPACT SIZE, SURFACE or UNDER-DASH MOUNT with REMOTE SIREN AMPLIFIER

- Small compact size control head is ideal for situations where space is at a premium.
- Surface or under-dash mount control head with selectable 100 or 200 watt output.
- SI TEST, silent diagnostic test.
- 5 year HDP (Heavy-Duty Professional) warranty.
- Size, Control Head: 2" (51mm) H x 6" (152mm) W x 2-3/8" (60mm) D. Amplifier: 2-3/8" (60mm) H x 6" (152mm) W x 7" (178mm) D. Weight: 3-1/2 lbs., (1.6kg)



Model 295HFS3 Hard-wired microphone.

Model 295HFSDA Second amplifier kit for dual siren amplifier use.

MODEL 295HFS45

LIGHTS and SIREN CONTROL, LOW CURRENT, SELF-CONTAINED

- Single, self-contained unit full function siren.
- Nine switch light control, six function siren.
- Selectable 100 or 200 watt output and low current switching.
- Low current, each switch activates 250 milliamps or less, for use with low current controlled lighting.
- Four-position, three function 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. Five push-on/push-off switches and one momentary programmable switch. Momentary switch is dip switch controlled with four choices (momentary, 8 second timer, latch-on/latch-off or flasher mode).
- "Park-Kill" feature disables the siren tone when the vehicle is in park.
- Timed-Out Relay for shotgun lock, trunk lock, etc. and California tones.
- SI TEST, silent diagnostic test.
- Choice of 36 press-on legend tabs.
- 5 year HDP (Heavy-Duty Professional) warranty.
- Size: 3-5/16" (84mm) H x 6" (152mm) W x 8-3/8" (213mm) D. Weight: 4-1/2 lbs. (2kg)



Model 295HFS45 Hard-wired microphone.

295 SERIES HANDS-FREE SIRENS



MODEL 295SLSA6

LIGHTS and SIREN CONTROL, HIGH CURRENT, SELF-CONTAINED, SCAN-LOCK SIREN TONES

- Electronic siren and lights controller with 9 individually programmable switches and hard-wired microphone.
- 19 Scan-Lock™ siren tones.
- 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 dipswitch set for momentary, 8 second timer, latch-on/latch-off, or flasher modes.
- Controls most standard current applications such as strobe power supplies, headlight and brakeligh flashers.
- "Park-Kill" feature disables the siren tone when the vehicle is in park.
- Timed-Out Relay for shotgun lock, trunk lock, etc. and California tones.
- 5 year HDP® (Heavy-Duty Professional) warranty.
- Size, Control Head: 3-5/16" (84mm) H x 6" (152mm) W x 7" (178mm) D. Weight: 4-1/2 lbs., (2kg).

Model 295SLSA6 Hard-wired microphone.

Model 295SLSC6 Removeable microphone.



MODEL 295HFSC9

SELF-CONTAINED, FULL FUNCTION, DUAL 200 WATT ELECTRONIC SIREN AMPLIFIER

- Offers the same features as 295HFSA7 except it's self-contained, has a removable microphone and does not include an external fuse.
- Dual or mono sound control, 8 programmable operating profiles, park-kill siren shutdown, radio repeat, mechanical siren and airhorn tones, California Title XIII compliant, short circuit protection.
- External dip switch programmable siren tones.
- SI TEST®, silent diagnostic test.
- "Park-Kill" siren shutdown feature disables the siren tone when the vehicle is in park.
- 5 year HDP (Heavy-Duty Professional) warranty.
- Size: 2-1/4" (57mm) H x 6" (152mm) W x 7" (177mm) D. Weight: 4 lbs., 7 oz. (2kg).

Model 295HFSC9 Removeable microphone.



MODEL 295HFSA7

DUAL 200 WATT, FLUSH MOUNT SIREN with REMOTE SIREN AMPLIFIER

- Six function siren plus radio repeat and public address.
- Operates two 100-watt speakers.
- Operates in dual (outputs 2 independent siren tones creating rich harmonic dual tone sound) or mono sound modes.
- External dip switch programmable siren tones.
- PTT (Push To Talk) switch on microphone overrides all siren functions.
- Removable unidirectional microphone with adjustable microphone volume & adjustable preset radio repeat volume.
- SI TEST, silent diagnostic test.
- Quick disconnect plug for ease of service or replacement.
- 5 year HDP (Heavy-Duty Professional) warranty.
- Flush Mount Size: 2-7/8" (73mm) H x 6-1/4" (159mm) W x 3" (76mm) D. Amplifier Size: 2-1/4" (57mm) H x 9-1/8" (232mm) W x 8" (203mm) D. Weight: 5 lbs. (2.27kg).

Model 295HFSA7 Removeable microphone.



Visit www.whelen.com or request information on our complete line of siren amplifiers and siren systems.

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• Epsilon™ • Gamma2 • HHS2200 • Howler™
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