

295 Series

HANDS-FREE ELECTRONIC SIRENS

SIRENS
SPEAKERS
SWITCHES



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

WHELEN[®]
ENGINEERING COMPANY, INC.

Form# 295S0410 - American Employees, American Manufacturing, American Pride!

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 over-rides 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.
- 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 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.
- 295HFS/295SLS models offer 5 year HDF® (Heavy-Duty Professional) warranty.
- 295SL models offer 2 year warranty.

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

295LSA1

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, 295HFS3, 295HFS4

295HFS5

4 Siren Tones

Wail • Yelp • Airhorn • Piercer

295LSA6

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

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



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.
- 19 Scan-Lock siren tones.
- Meets California Title XIII & SAE J1849 specifications.
- Self-contained unit for under-dash mounting.
- Backward compatible to the original 295HF100 and WS2100 Series connector.
- Two year warranty.
- Size: 2-1/2" (64mm) H x 6" (152mm) W x 5-1/2" (140mm) D.
Weight: 4 lbs. (1.8kg)

Model 295SL100 Hard-wired microphone.

Model 295SL101 Removable microphone and volume control knob.



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 295SLSC1 Removable microphone and volume control knob.



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 295HFS2X 295HFS2 with dual amplifiers.

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



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 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.
- 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 and 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.
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 295HFSA5

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.
- 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 295HFSA5 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 13 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. Alpha™ • Beta™ • CenCom™ • CenCom Gold™ • CanTrol™ • Epsilon™ • Gamma2 • HHS2200 • Howler • Power Airhorn • WPA • WSSC30

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WHELEN®

ENGINEERING COMPANY, INC.

51 Winthrop Road
Chester, Connecticut 06412-0684
(860) 526-9504 • Fax: (860) 526-4078
www.whelen.com