Firehouse Siren Series

Trusted & Dependable Warning for Firehouse Applications

Whelen Engineering has long been a familiar name around the firehouse. Our products can be trusted to alert personnel and community alike in situations when pagers can't or won't. Depend on Whelen Engineering for all your audible and visual warning needs.

OMNI-DIRECTIONAL SIREN MODELS

FHS1 - One Speaker Cell
FHS2 - Two Speaker Cells
FHS3 - Three Speaker Cells
FHS4 - Four Speaker Cells

SIREN FEATURES

- Two-compartment (Type I) natural finish aluminum cabinet
- Includes 1-4 high efficiency 400 Watt **EZ-PULL™** speaker drivers (depending on model)
- Pole top mounting bracket included
- 50' Cable
- Battery powered. Minimum of 15 minutes of full power output with batteries of our recommendation
- AC temperature compensated 5 Amp battery charger
- Local or remote controls
- 1-4 power amplifiers (depending on model)
- Electronic siren controller
- Tone generator
- Timer
- Local control push-buttons
- **SI TEST®**
- Low battery alarm
- AUXIN included for contact closure activation
- Battery tray
- Lightning arrestor
- Six standard public warning tones - Wail, Whoop, Attack, Hi-Lo, Alert, Airhorn

SIREN OPTIONS

- Solar power
- **ISB24*** - 24VDC strobe beacon
- **L31H*F4** - 24VDC LED beacon
- **VALERT*** - VisuAlert™ product

Specify color by replacing * symbol in model number with letter indicating color desired:
A = Amber; **B** = Blue; **C** = Clear/White; **R** = Red; **G** = Green

SIREN ACTIVATION CONTROLS

Our Firehouse Sirens can be activated in any number of ways:

- Plectron
- Landline
- VHF High and UHF wide-band frequencies
- VHF High and UHF narrow-band frequencies
- 800Mhz trunking
- MOSCAD
- FSK
- Two-tone sequential

Our VHF High and UHF siren activation control packages include the following:

- Radio
- Radio interface
- Tone squelch
- 2-3dB Gain Omni-Directional antenna with bracket
- 35' of RG58 antenna cable
- Polyphaser
- SI TEST

Other features are dependent upon one or two-way controls. Whelen equipment can be interfaced with many different types of two-way radio communications products and systems. Contact factory for special applications.

ONE-WAY CONTROL OPTIONS

- **FAUXIN** - Auxiliary board for contact closure activation (included)
- **FD2030LL** - 10 digit DTMF landline activation
- **FD2030NV** - 10 digit DTMF VHF high band / 150-170 Mhz
- **FD2030U** - 10 digit DTMF UHF / 450-470 Mhz
- **FTT** - Two-tone sequential option

TWO-WAY CONTROL OPTIONS

- **FAUXCS** - Two-way contact closure activation and status board
- **FC2030LL** - Two-way landline activation
- **FC230NV** - 10 digit DTMF VHF high band / 150-170 Mhz
- **FC230NU** - 10 digit DTMF UHF / 450-470 Mhz

CONTROL OPTIONS

- **FFSKXMOD** - Converts the siren activation controls to FSK format
- **FSTATUS** - Cabinet window LED status indicator
- **FPGINT** - Paging interface to interface Whelen tones with existing paging systems
- **FINTRU** - Intrusion alarm (available with two-way only)

FHS1 One Cell to
FHS4 Four Cell
Omni-Directional
Sirens

Firehouse Series

WHELEN®
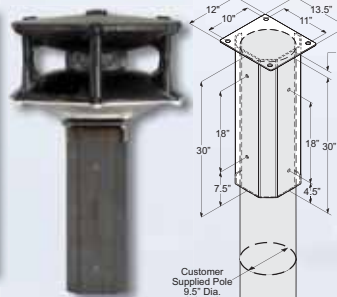
Specifications

MODELS	SPEAKER CELLS	COMPONENT Height Inches (CM)	COMPONENT Width Inches (CM)	COMPONENT Depth Inches (CM)	COMPONENT Weight Lbs. (KG)	ACOUSTIC PERFORMANCE Estimated Range* 70dB Feet / Meters	60dB Feet / Meters
FHS1	One	20.4 (51.8)	33.4 (84.8)	—	107 (48.5)	1,400' / 426 m	2,800' / 853 m
FHS2	Two	32.9 (83.6)		—	156 (70.8)	2,200' / 670 m	4,400' / 1341 m
FHS3	Three	45.4 (115.3)		—	205 (92.99)	2,400' / 731 m	4,800' / 1463 m
FHS4	Four	57.9 (147.1)		—	254 (115)	2,800' / 853 m	5,600' / 1706 m

NOTE: 100' performance levels listed represent repeatable results within +/-1dB to stated levels. Estimated 70dB perimeter is based on the Federal Emergency Management Agency's (FEMA) - 10dB per distance doubled path model. *Weather, terrain and other structures may impact the range. Each siren within the system may have a decreased or increased range depending on conditions beyond our control.

MODELS	FHS ELECTRONICS CABINET TYPE I Height Inches (CM)	Width Inches (CM)	Depth Inches (CM)	Weight Lbs. (KG)	POLE TOP BRACKET Height Inches (CM)	Width Inches (CM)	Depth Inches (CM)	Weight Lbs. (KG)
FHS1	32.5 (82.6)	22.5 (57.2)	10.5 (26.7)	62 (28.2)**	30.5 (77)	12.0 (30.5)	(See Drawing)	71 (32.3)
FHS2				69 (31.3)**		(See Drawing)	13.5 (34.3)	
FHS3				76 (34.5)**		12.0 (30.5)	(See Drawing)	
FHS4				83 (37.7)**				

** Less batteries. Two batteries, Delco DC74, add 90 Lbs. (40.9kg)

COMPONENTS AND OPTIONS

Cabinet Wall Mount

RTM Roof mount and SBC280 solar power options

One cell with pole top bracket (dimensions)

VisuAlert™ Omni-Directional visual warning option

ISB24R Red strobe beacon top mount option, 24VDC

L31HRF4 Red Super-LED® beacon (single color only) top mount option, 24VDC

FIRE DEPARTMENT

"Our Mass Notification Products Speak for Themselves"™