

## Economical All Hazard Siren System

**Whelen's HORNET Series All Hazard Sirens provide an economical alternative for replacing outdated electro-mechanical sirens.**

### SYSTEM FEATURES

- **HORNET** - Speaker Assembly
- Two-Compartment (Type I) Natural Finish Aluminum Cabinet
- 118dB @ 100'
- HORNET Speaker Includes One High Efficiency 400 Watt Speaker Driver
- 50' Cable Included
- Battery Powered, Minimum of 15 Minutes of Full Power Output with Batteries of Our Recommendation
- AC Temperature Compensated 5 Amp Battery Charger
- Local Controls or Remote Controls
- One Power Amplifier
- Rotor
- Electronic Siren Controller
- Tone Generator
- Timer
- Local Control Push Buttons
- SI TEST®
- Low Battery Alarm
- Battery Tray
- Lightning Arrestor
- Six Standard Public Warning Tones - Wail, Whoop, Attack, Hi-Lo, Alert, Airhorn

### SYSTEM OPTIONS

- **HSBC80** - Solar Power <sup>1</sup>
- **BSETHOR** - Whelen Approved Batteries
- **HPTB** - Speaker Pole Top Bracket
- Alternate Tone Set

### NOTES:

<sup>1</sup> Solar power option includes 2 - 80 watt panels, mounting bracket and regulator

### SIREN ACTIVATION CONTROLS

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®
- Low Battery Alarm (Two-Way only)

Other features are dependant upon one or two-way controls. Whelen equipment can be interfaced with many different types of two-way radio communications products and systems including 800Mhz trunking, Motorola's MOSCAD, FSK, Narrow-Band and VHF Low Band. The following is available as standard options. Contact factory for special applications.

### ONE-WAY CONTROLS

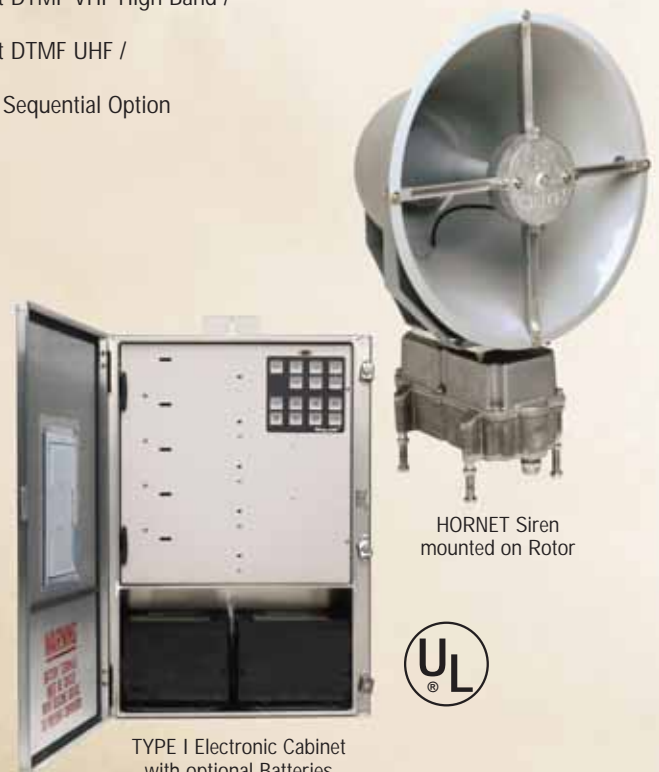
- **HAUXIN** - Auxiliary Board for Contact Closure Activation
- **HD2020LL** - 10 Digit DTMF Landline Activation
- **HD2020H** - 10 Digit DTMF VHF High Band / 150-170 Mhz
- **HD2020U** - 10 Digit DTMF UHF / 450-470 Mhz
- **HORTT** - Two-Tone Sequential Option

### TWO-WAY CONTROLS

- **HAUXCS** - Two-Way Contact Closure Activation and Status Board
- **HC2020LL** - Two-Way Landline Activation
- **HC2020H** - 10 Digit DTMF VHF High Band / 150-170 Mhz
- **HC2020U** - 10 Digit DTMF UHF / 450-470 Mhz
- **H2020NH** - 10 Digit DTMF VHF High Band Narrow-Band
- **H2020NU** - 10 Digit DTMF UHF Narrow-Band

### OPTIONS:

- **HFSKXMOD** - Converts the Siren Activation Controls to FSK Format
- **HSTATUS** - Cabinet Window LED Status Indicator
- **HPGINT** - Paging Interface to Interface Whelen Tones with Existing Paging Systems
- **HINTRU** - Intrusion Alarm (available with Two-Way only)



HORNET Siren mounted on Rotor



TYPE I Electronic Cabinet with optional Batteries (BSETHOR)

# HORNET™

## Specification Data

Component	Height Inches (CM)	Width Inches (CM)	Depth Inches (CM)	Weight Lbs. (kg)
HORNET Speaker & Rotor	41.0 (104.2)	30.5 (77.5)	23.0 (58.4)	112 (50.8)
Electronics Cabinet - Type I	32.5 (82.6)	22.5 (57.2)	10.5 (26.7)	62 (28.1)*
Pole Top Bracket (Optional)	30.0 (76.2)	12.0 (30.5)	10.0 (25.4)	71 (32.3)

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

# WHELEN®

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Whelen Engineering Company, Inc. reserves the right to upgrade its products with design improvements without notification.

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### ELECTRICAL

- **Battery charger input:** 120VAC, 60Hz, 3A Fuse
  - **Battery charger output:** 28VDC, 5A#
  - **Batteries:** 2-12V, 60AH Lead Calcium
  - **Standby current:** 40mA
  - **Rotor motor:** <1A, 24VDC
  - **Operating current:** 22A, 24VDC
  - **Power amplifier output power:** 400 watts
- # U.L. Recognized Component

### ENVIRONMENTAL

- **Operating temperature:** -35C to +60C
- **Storage temperature:** -65C to +125C
- **Humidity, non condensing:** 0 to 95%

### ORDERING INFORMATION

**BASIC SYSTEM INCLUDES ALL OF THE FOLLOWING:**

- **HORNET** - Speaker Assembly & Electronics Cabinet
- OPTIONS:**
- **HAUXIN** - Auxiliary Board for Contact Closure Activation
  - **HAUXCS** - Auxiliary / Status Control Board for Contact Closure Activation and Status
  - **HD2020LL, HD2020H, HD2020U** - One-Way Radio Control ❶
  - **HC2020LL, HC2020H, HC2020U** - Two-Way Radio Control / Status Monitoring, COMM/STAT™ ❶
  - **OC2020NH, OC2020NU** - Two-Way Narrow-Band Radio Control / Status Monitoring, COMM/STAT™ ❷
  - **HORTT** - Two-Tone Sequential
  - **HFSKXMOD** - FSK Format
  - **HSTATUS** - Cabinet Window LED Status Indicator
  - **HPGINT** - Paging Interface to Interface Whelen Tones with Existing Paging Systems
  - **HINTRU** - Intrusion Alarm
  - **HSBC80** - Solar Power ❷
  - **HPTB** - Speaker Pole Top Bracket
  - **BSETHOR** - One Pair of Batteries

#### NOTES

- ❶ 10 digit DTMF Controls • Landline • VHF High Band/150-170 Mhz • UHF/450-470 Mhz  
Our VHF High and UHF siren activation control packages include tone squelch, radio, radio interface, 2-3dB gain omni-directional antenna with bracket, 35' of RG58 antenna cable and polyphaser.
- ❷ Solar power option includes 2 - 80 watt panels, mounting bracket and regulator
- ❸ Contact Factory