

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Whelen's HORNET Series All Hazard Sirens provide an economical alternative for replacing outdated electro-mechanical sirens.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
- 118dBC @ 100'
- HORNET Speaker Includes One High Efficiency 400 Watt Speaker Driver
- 15 m 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 ¹
- Alternate Tone Set

NOTES:

¹ 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
- 15 m of RG213 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

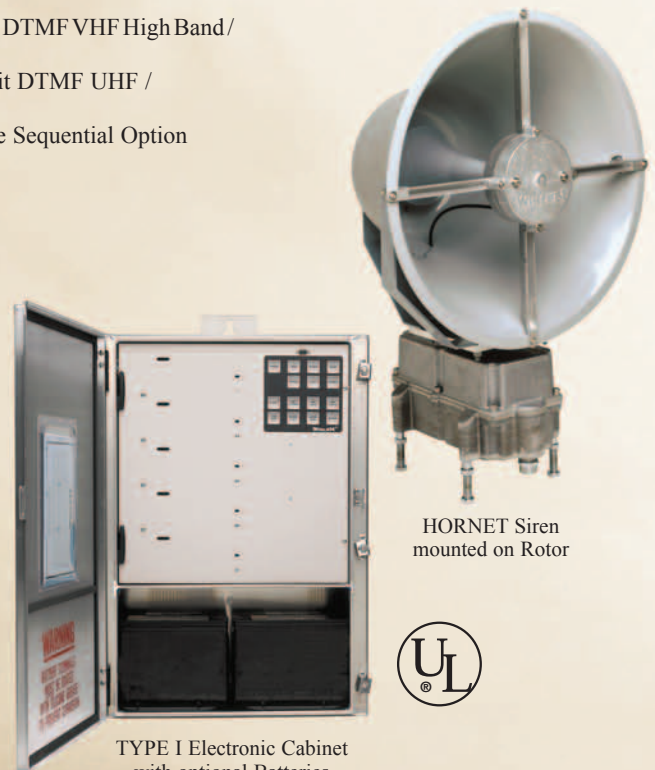
- HAUXIN - Auxiliary Board for Contact Closure Activation
- HD2020LL - 10 Digit DTMF Landline Activation
- HD2020H - 10 Digit DTMF VHF High Band / 150-170 Mhz
- HD2020U - 10 Digit DTMF UHF / 450-470 Mhz
- HORTT - Two-Tone Sequential Option

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 CM (Inches)	Width CM (Inches)	Depth CM (Inches)	Weight KG (Lbs.)
HORNET Speaker & Rotor	104.2 (41.0)	77.5 (30.5)	58.4 (23.0)	50.8 (112)
Electronics Cabinet - Type I	82.6 (32.5)	57.2 (22.5)	26.7 (10.5)	28.1 (62)*

*Less batteries. Two batteries, CTV-80A 2-12V, 80AH Sealed Lead Calcium (user supplied, add 23.3kg)

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PUBLIC WARNING PRODUCTS

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ELECTRICAL

- **Battery charger input:** 120VAC, 60Hz, 3A Fuse or 240 VAC 50Hz 5A fuse
 - **Battery charger output:** 28VDC, 5A#
 - **Batteries:** 2-12V, 80AH Sealed 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
 - **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, 15 m of RG213 antenna cable and polyphaser.
- ❷ Solar power option includes 2 - 80 watt panels, mounting bracket and regulator
- ❸ Contact Factory