

TWS 400H Directional Siren

Economical All Hazard Siren System

The TWS 400H Directional Siren delivers clear, powerful voice and siren communication.

SYSTEM FEATURES

- TWS 400H - Speaker Assembly
- Two-Compartment (Type I) Natural Finish Aluminum Cabinet
- 118dB @ 100'
- TWS 400H Speaker Includes One High Efficiency 400 Watt Speaker Driver
- 15 m Cable Included
- Battery Powered, Minimum of 30 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
- 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. When 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

- AUXIN - Auxiliary Board for Contact Closure Activation
- D2020LL - 10 Digit DTMF Landline Activation
- HD2020H - 10 Digit DTMF VHF High Band / 150-170 Mhz
- D2020U - 10 Digit DTMF UHF / 450-470 Mhz
- TWSTT - Two-Tone Sequential Option

TWO-WAY CONTROLS

- AUXCS - Two-Way Contact Closure Activation and Status Board
- C2020LL - Two-Way Landline Activation
- C2020H - 10 Digit DTMF VHF High Band / 150-170 Mhz
- C2020U - 10 Digit DTMF UHF / 450-470 Mhz
- C2020NH - 10 Digit DTMF VHF High Band Narrow-Band
- C2020NU - 10 Digit DTMF UHF Narrow-Band

OPTIONS:

- FSKXMOD - Converts the Siren Activation Controls to FSK Format
- STATUS - Cabinet Window LED Status Indicator
- PGINT - Paging Interface to Interface When Tones with Existing Paging Systems
- INTRU - Intrusion Alarm (available



TYPE I Electronic Cabinet with optional batteries



TWS 400H Siren



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Specification Data

Component	Height CM (Inches)	Width CM (Inches)	Depth CM (Inches)	Weight KG (Lbs.)
TWS 400H Speaker	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)

ELECTRICAL

- **Battery charger input:** 120 60Hz, 7A fuse, or 240VAC 50 Hz 5A fuse
 - **Battery charger output:** 28VDC, 5A#
 - **Batteries:** 2-12V, 80AH Sealed Lead Calcium Batteries
 - **Standby current:** 40mA
 - **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:

- **TWS 400H** - Speaker Assembly & Electronics Cabinet
- OPTIONS:
- **AUXIN** - Auxiliary Board for Contact Closure Activation
 - **AUXCS** - Auxiliary / Status Control Board for Contact Closure Activation and Status
 - **D2020LL, D2020H, D2020U** - One-Way Radio Control ①
 - **C2020LL, C2020H, C2020U** - Two-Way Radio Control / Status Monitoring, COMM/STAT™ ①
 - **C2020NH, C2020NU** - Two-Way Narrow-Band Radio Control / Status Monitoring, COMM/STAT™ ②
 - **TWSTT** - Two-Tone Sequential
 - **FSKXMOD** - FSK Format
 - **STATUS** - Cabinet Window LED Status Indicator
 - **PGINT** - Paging Interface to Interface Whelen Tones with Existing Paging Systems
 - **INTRU** - Intrusion Alarm
 - **SBC80** - Solar Power ②
 - **SETHOR** - One Pair of Batteries

NOTES

- ① 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.
- ② Solar power option includes 2 - 80 watt panels, mounting bracket and regulator
- ③ Contact Factory

Public Warning Products

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