

Big Power, Small Package, Budget Friendly



- **100% Maintenance Free**, not just the siren, the whole system!
- **Non-Rotating**: Forget the worries of rotating sirens, this unit has only two moving parts.
- **Compatibility**: This siren will integrate seamlessly with most existing siren systems.
- **5 year Warranty****: available so you can rest assured your siren will be functional at all times.

Near the top of the Sentry line, the 20V2T stands as the go to siren for tough jobs. Perfect for single or multiple siren installations, this siren is FEMA and USDA grant compliant. This 20 Horsepower brute is rated at 125 dB(c) @ 100 ft. continuous*. Not just for 25% of its cycle time, like its rotating competitors, the 125 dB measurement is for 100% of its full volume run time. Plus, just like its younger brother, this 125 dB is available in a dual 460 Hz arrangement (20V1T), the lowest pitch in the industry; meaning its sound will fade at a lower rate than its competitors, giving the user more distance per decibel. The standard 20V2T will provide 460/920 Hz giving the user the perfect balance of penetration power and reflection

benefit.

Of course, the 20V2T is available in either single or three phase power and can even be upgraded to battery functions by selecting its brother, the 16V1T-B. All exposed siren components are of powder coated metals, providing the most durable finish available. The siren can be upgraded to Stainless Steel for use in harsh environments. Shipping weight of the siren is 800 lbs.

Couple the 20V2T with the Generation 3 series siren controller, a motor starter and pole mounting bracket for a state of the art system created with tried and true technology for a winning combination.

Get ready for power.

ELECTRO-MECHANICAL SIRENS

produce stronger and further reaching sound than electronic sirens while providing far better reliability.

OMNI-DIRECTIONAL DEVICES

“..present a distinct advantage.. over rotational devices,” according to FEMA’s warning system guide. It says “a rotational device will have an overall lower dB level when assessed across a given time period than an Omni-directional device operating at the same frequency.” (4.4.5 FEMA OWS Technical Bulletin 2.0)

Further, the guide states: “Omni-directional sirens provide a greater area of coverage than do rotating or directional devices. They provide a more constant signal that improves public alerting...” (4.4.5 FEMA OWS Technical Bulletin 2.0)



Scan this QR Code with your smart phone to learn more about Sentry products.

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Siren Specifications

Performance

This siren is rated by Sentry @ 125 dB(c) at 100 ft.*

Estimated sound projection is 5,250 ft. (radius) continuous***

Sound pattern is Omni-Directional producing 100% volume at peak RPM 100% of the siren cycle time.

20V1T produces 460 Hz pitch
20V2T produces 460/920 Hz pitch

Power Requirements

Three Phase Siren:

20 Hp: 208/230/460V, 60 Hz
Starting Amps: 240 (assumes 230V)
Running Amps: 48
Uses Starter # S9W

Single Phase Siren:

Two (2) 10 Hp: 230V, 60 Hz
Starting Amps: 258 per motor
Running Amps: 47 per motor
Uses a Dual Contactor Starter # S10W

Siren Accessories

Generation 1® Siren Controller: Five function, push button siren controller with standard emergency functions plus test, and cancel. Unit also features "auto test" to allow your siren to function as a "noon whistle" or similar. Outputs both 110 VAC and 24 VDC for control of siren and of an alternate device such as a strobe light or buzzer. Gen 1 is hardwired to your siren via voltage carrying wires. NEMA 4X enclosure.



Generation 2® Siren Controller: Five function, push button siren controller with the added benefit of telephone activation. This new unit includes the standard emergency functions but allows users to "call" their siren, enter a security code, then control the sirens' functions from their telephone. Also features "auto test" to allow your siren to function as a "noon whistle" or similar. Outputs both 110 VAC and 24 VDC for control of siren and of an alternate device such as a strobe light or buzzer. Gen 1 is hardwired to your siren via voltage carrying wires. NEMA 4X enclosure.

Generation 3® Wireless Siren Controller: Four function, radio / wireless siren controller with all standard or custom emergency functions. Unit also features "auto test" to allow your siren to function as a "noon whistle" or similar. Outputs both 110 VAC and 24 VDC for control of siren and of an alternate device such as a strobe light or buzzer. The Gen3 can use 2 Tone Sequential or DTMF signals on almost any frequency. NEMA 4X enclosure.



Wireless Siren Transmitters: If you or your city doesn't already have an encoder or if you'd just like to control your siren yourself, choose one or both of our wireless transmitters from Kenwood® to control your emergency functions. Select from 2 Tone Sequential or DTMF formats on VHF or UHF frequencies. Place the 50 watt unit on your desk or carry the 5 watt unit on your belt. You'll always have the ability to control your siren no matter where you may be.

* - Sentry rating based on field tests using FEMA Guidelines; assumes perfect conditions, actual coverages may vary based on multiple factors. No guarantee is expressed or implied concerning dB or SPL of sirens.

** - 5 year warranty available for an extra fee.

*** - Based on FEMA guidelines of 9 dB drop and assumes perfect conditions, actual coverages may vary based on unforeseen factors. No guarantee is expressed or implied concerning sound coverage of sirens.