

Eclipse⁸ Omni-Directional Siren

Features

- **Omni-directional coverage**
- **115dB(C) at 100 feet**
- **100% aluminum design**
- **Three distinct warning signals**
- **Full battery operation or battery back-up**
- **Ideal for outdoor warning**
- **5-year limited warranty**



The Federal Signal Eclipse⁸ is a mid-sized DC-powered, omni-directional siren for outdoor warning that produces high intensity warning signals. This powerful and lightweight siren provides coverage with a maximum sound pressure level of 115dB(C) at 100-ft (+/- 1dB). The Eclipse⁸ siren is ideal for fire stations, communities, or nuclear plants. The high-decibel output provides maximum coverage with minimum installation costs. Operating from 48VDC, the siren utilizes the DC motor of our Federal Signal 2001-130 siren for proven reliability.

The siren's eight projector horns covers a 360-degree omni-directional area, with the capability of producing three signal options: steady, wail, and fast wail. The Eclipse⁸ siren also offers a unique dual-tone feature. It provides low-frequency coverage while creating high frequency harmonics in the optimal range where most people hear better. The Eclipse⁸ siren will supply a minimum of 15 minutes of continuous siren operation from its batteries even after 24 hours without AC power. The siren controls are available with battery (DC) operation, AC operation, AC operation with battery back-up and solar power options. One-way and two-way control via radio, IP, satellite, cellular or landline options are available. Designed to provide warning for events including: severe weather, local disasters, and all-hazard warning. The Eclipse⁸ siren is a perfect choice to protect any community.

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Specifications

Power Requirements*

Siren Motor	48V (DC or full wave rectified AC) 112 Amps (nom.)
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Wiring

Siren Motor	2 AWG
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Motor Type

Siren	Series Wound DC 7 Hp
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Signal Types

Steady, Wail, Fast Wail

Output Frequency

Steady	525 Hz
Signal Duration	3 min. (programmable)
Signal Output (SPL):	115dB(C) (+/- 1dB(C)) (on axis) at 100' (30 m)
Effective Range at 70 dB(C)	2200 ft (675 m) at -10dB(C) per distance doubled

Environmental

Operating Temperature**	-30°C to +60°C
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Weight

Siren Weight	255 lbs (116 kg)
Shipping Weight	380 lbs (173 kg)

Ordering Information

Eclipse ⁸	115 dB(C) omni, electro-mechanical siren
RME	Roof or steel pole top mount and bracket

See price list for controller and powering options.

Batteries are not included with any model.

* Power requirements refer to the power supplied by the batteries or optional AC operation with battery back-up.

** The siren can operate throughout this temperature range provided that battery temperature is maintained at -18°C or higher.

