

# Eclipse<sup>NH</sup> Omni-Directional Siren

## Features

- **Omni-directional coverage**
- **107dB(C) at 100-ft**
- **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 Eclipse<sup>NH</sup> is a mid-size, DC-powered, omni-directional siren for outdoor warning. This powerful and lightweight outdoor siren provides coverage with a maximum sound pressure level of 107dB(C) at 100 feet (+/- 1dB). The Eclipse<sup>NH</sup> is ideal for fire stations, small and mid-size communities, or nuclear plants. The siren output offers maximum coverage with minimum cost and proven reliability of Federal Signal. The siren covers a 360-degree omni-directional area, with the capability of producing three alert signal options: steady, wail and fast wail.

The Eclipse<sup>NH</sup> siren also offers a unique dual-tone feature. The siren provides low-frequency coverage while creating high frequency harmonics in the optimal range where most people hear better.

The Eclipse<sup>NH</sup> siren battery operated controllers will supply a minimum of 15 minutes of siren operation from its batteries even after 24 hours without AC power. The siren controls are available with battery (DC) operation, AC operation, and AC operation with battery back-up. One-way and two-way radio control or landline options are available. Designed to provide warning for hazardous conditions, civil defense, and general warning the Eclipse<sup>NH</sup> siren is the ideal low-cost, battery operated choice to protect any community.



**FEDERAL SIGNAL**  
Safety and Security Systems

*Advancing security and well being.*

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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 and fast wail

### Output Frequency

Steady	525 Hz
Signal Duration	3 min. (programmable)
Signal Output (SPL):	107dB(C) (on axis) at 100' (30 m)
Effective Range at 70 dB(C)	1300 ft (396 m) at -10dB(C) per distance doubled

### Environmental

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

Siren Weight	175 lbs (79.5 kg)
Shipping Weight	275 lbs (125 kg)

\* 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.

### Ordering Information

Eclipse <sup>NH</sup>	107 dB(C) omni, electro-mechanical siren
RME	Roof or steel pole top mount and bracket
DCB	Battery cabinet & contactor
DCFB (L, H or U)	Battery cabinet, contactor and controller board
DCFCTBD (H or U)	Two-way digital
DCFCTBD-IP	IP-enabled, two-way electro-mechanical controller
ACFCTBD (H or U)	Two-way digital, AC only
TRB	Transformer rectifier for AC or AC/DC operation
2001AC	AC control box (includes TRB)
FC (L,H or U)	Federal Controller (one-way, AC activation)

*Batteries are not included with any model.*

