

# ECLIPSE<sup>NH</sup>



"ANS YOG PREPARED"

The 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 & 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° omni-directional area, with the capability of producing (3) alert signal options: Steady, Wail, and Fast Wail. The Eclipse<sup>NH</sup> 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> 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> is the ideal low-cost, battery operated choice to protect any community.

OMNI-DIRECTIONAL COVERAGE

107dB(C) AT 100 FEET

100% ALUMINUM DESIGN

5-YEAR LIMITED WARRANTY

THREE DISTINCT WARNING SIGNALS

FULL BATTERY OPERATION OR BATTERY BACK-UP



# ECLIPSE<sup>NH</sup> SPECIFICATIONS

## POWER REQUIREMENTS\*

Siren Motor: 48V (DC or full wave rectified AC)  
112 amps. (nom.)

## WIRING

Siren Motor: 2 AWG

## MOTOR TYPE

Siren: Series Wound DC 7Hp

## SIGNAL TYPES

Steady, Wail, Fast Wail

## OUTPUT FREQUENCY

Steady: 525 Hz

Signal Duration: 3min. (programmable)

Signal Output (SPL): 107dB(C) (on axis) at  
100' (30.5m)

Effective Range at 70dBC: 1300 ft (396 m) at  
-10 dBC per distance doubled

## WEIGHT

Siren Weight: 175 lbs. (79.5 kg)

Shipping Weight: 275 lbs. (125 kg)

## OPERATING TEMPERATURE

-30°C to +60°C\*\*

\* 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

## ORDER INFORMATION

ECLIPSE<sup>NH</sup> 107dB(C) Omni, Electro-Mechanical Siren

RME Roof or steel pole top mount bracket

## CONTROLLER OPTIONS

DC	Battery Cabinet & Contactor
DCFCB (L, H or U)	Battery Cabinet, Contactor & Controller Board
DCFCTB (H or U)	2-Way DTMF
DCFCTBD (H or U)	2-Way Digital
ACFCTB (H or U)	2-Way Digital, AC Only (Includes TRB)
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. Four (4) AC Delco Voyager Model M24MF required for DC operation.



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