

# ECLIPSE<sup>8</sup>



"ARE YOU PREPARED"

The Eclipse<sup>®</sup> 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 feet (+/- 1dB). The Eclipse<sup>®</sup> 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 2001 siren series for proven reliability.

The siren's (8) eight projector horns covers a 360<sup>o</sup> omni-directional area, with the capability of producing (3) three signal options: Steady, Wail, and Fast Wail. The Eclipse<sup>®</sup> 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 Eclipse<sup>®</sup> 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, and AC operation with battery back-up. One-way and Two-way radio control or landline options are available. Designed to provide warning for events including: severe weather, local disasters, and all-hazard warning. The Eclipse<sup>®</sup> is a perfect choice to protect any community.

OMNI-DIRECTIONAL COVERAGE

115dB(C) AT 100 FEET

100% ALUMINUM DESIGN

5-YEAR LIMITED WARRANTY

THREE DISTINCT WARNING SIGNALS

FULL BATTERY OPERATION OR BATTERY BACK-UP



# ECLIPSE<sup>8</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): 115dB(C) (+/- 1dB) (on axis)  
at 100' (30.5m)  
Effective Range at 70dBC: 2200 ft (670 m) at  
-10dB(C) per distance doubled

## WEIGHT

Siren Weight: 255 lbs (116 kg)  
Shipping Weight: 380 lbs (173 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>8</sup> 115dB(C) Omni, Electro-Mechanical Siren

RME Roof or steel pole top mount and bracket

## CONTROLLER OPTIONS

DCB	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
TRB	Transformer Rectifier for AC or AC/DC Operation
2001AC	ACControl 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.