



Mini Revelation Series

The Next Generation of concealed emergency lighting: smaller size, full retrofit, impressive illumination.

Evaluated to UL924 Standard

The *Mini Revelation Series* from *Emergi-lite* is the next generation of concealed emergency lighting equipment, specially designed for retrofitting in finished walls with a cavity (dry-wall with 4-inch studs). In normal conditions (stand-by) the unit is completely concealed in the wall.

Standard Features

Reliability

Each unit is fully computer-tested and aligned mechanically for optimum operation. The electrical parts (motor, electronic circuitry) carry a five-year warranty.

Unit Data

The normally exposed parts of the unit (flat door and frame) are covered with a high-quality, powder coated textured off-white finish, which integrates well with most wall and ceiling paints. The surface finish can also be customized on site with paint, wallpaper or other coverings. The self-powered battery unit is contained in a heavy-duty galvanized steel back-box, concealed in the wall or ceiling and includes a combined test switch and pilot light, accessible through the frame. The module includes the electrical junction box and is installed on the wall stud or ceiling beam with the help of a simple, U-shape bracket. Each unit comes standard with two (2) MR-16 halogen lamps

Pulse-Plus Battery Charger:

The charger circuitry offers a 120/277 Vac 60 Hz, 0.25/0.12 Amp, automatic charger, built around a micro-controller integrated circuit. Circuit standard features: current limiting, temperature-compensated cut-off voltage, brown-out transfer, low-voltage battery disconnect and battery lockout (Prevents activation in the d.c. mode until initial a.c. activation).

Power requirements: 120/277 Vac, 60 Hz, 0.25/0.12 Amps

Power Consumption Chart

Model	AC Input	Maximum		Stand-By (Ni-Cd, NiMH)*	
		Input Current	Input Power	Input Current	Input Power
MRT_40	120 Vac	0.25 A	30 W	0.1 A	11 W
	277 Vac	0.12 A	30 W	0.05 A	11 W
MRTG	120 Vac	0.95 A	110 W**	-	-
	277 Vac	0.45 A	110 W**	-	-

* Stand-by power consumption is 50% lower for Lead-Calcium batteries

** Maximum power when equipped with 2 x 50W lamps (generator unit)



Advanced Diagnostic Feature (optional)

Advanced Diagnostic is optional on all self-powered models. This circuitry is programmed to ensure the equipment readiness and reliability by continuously monitoring every critical function of the unit. If a problem occurs, the pilot light located on the front of the unit, will change color from solid green to a flashing red light, indicating a fault. A detailed diagnostic legend is available on the door back side and provides fault identification (battery, charger circuitry, lamps) for the maintenance personnel. The self-test feature will simulate a power loss for minimum 30 seconds every 30 days, 30 minutes every 6 months and a full 90-minute annually.

Options

Power requirements: 120/277 Vac, 60 Hz, 0.25/0.12 Amps

(Add Suffix to Model No.)

Suffix

- Damp location listing (available on all models except MRTM40) DL
- Advanced diagnostic (audible) AD
- Advanced diagnostic (non-audible) ADNA
- Time delay (D1=5, D2=10, or D3=15 minutes) D_*

** (AD or ADNA) includes a Time Delay function, if needed it can be enabled/disabled in the field or it can be preset at the factory by including the suffix AD-D_ or ADNA-D_

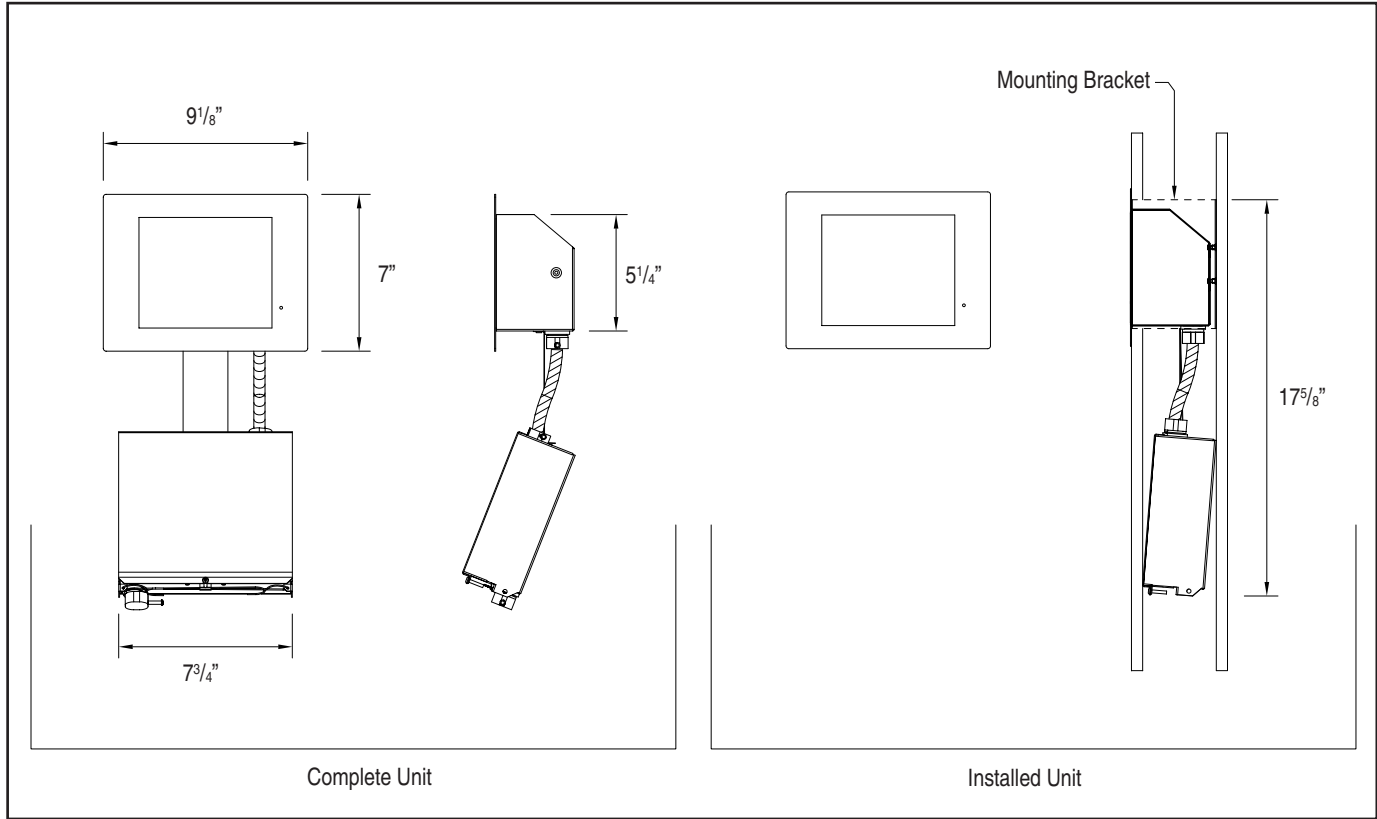
Unit Rating Chart

Model	Watts to 87.5% of rated battery voltage*			
	1 1/2 hrs.	2 hrs.	3 hrs.	4 hrs.
MRT_40	40	30	24	-

*National Electrical Code Specification

Outline and Dimensions

Dimensions are approximate and subject to change.



How To Order (example)

	MRT	M	40	AC input	-2(20)	ADNA
Battery Unit	<i>Series</i>	<i>Battery Type</i>	<i>Unit Capacity</i>	<i>AC input</i>	<i>Lamp Wattage</i>	<i>Options</i>
	MRT	M = Lead-Calcium N = Nickel-Cadmium H = Nickel-Metal Hydride	40 = 12V, 40 watts	Blank = 120/277Vac	-2 (12) = 12 watts each head -2 (20) = 20 watts each head -2 (20H) = 20 watts, high lumen output	AD = advanced diagnostic ADNA = advanced diagnostic, non-audible D1 = time delay 5 min D2 = time delay 10 min D3 = time delay 15 min DL = damp location (only MRTN40, MRTH40)
Generator Unit	MRT	G = Remote AC generator	Blank = max. 100W	1 = 120 Vac 2 = 277 Vac	-2 (12) = 12 watts each head -2 (20) = 20 watts each head -2 (35) = 35 watts each head -2 (50) = 50 watts each head -2 (20H) = 20 watts, high lumen output -2 (35H) = 35 watts, high lumen output -2 (50H) = 50 watts, high lumen output	DL = damp location