



Revelation Series

NEW & Improved Design

THE UNSEEN SOLUTION

Virtually Invisible Emergency Lighting

The **Revelation Series** is architecturally designed for unobtrusive use in walls with cavity (dry wall with 4-inch studs) or un-insulated ceilings with horizontal beams or T-bar structures. In normal conditions (stand-by) the unit is completely concealed in the wall or ceiling. In case of power failure the door of the unit rotates open 180° and exposes the emergency lights (two high-efficiency MR16 lamps) to illuminate the path of egress.

Once AC power returns or at the end of discharge period, the lights turn off and the door rotates closed automatically, driven by a patent-pending, energy storage circuit. If needed the backbox can be shipped separately.

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 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. Special bar hangers for installation in sheet rock or T-bar ceilings are included in the package. 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, of specified power ranging from 12W to 50Watts each.

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



Diagnostic / Self Test Feature (optional)

Diagnostic / Self-Test circuitry 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 90 minutes annually.

Options

(Add Suffix to Model No.)

Suffix

Damp location listing (available on all models except RTN100) 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_

Accessories (order as a separate item)

Remote test switch (Metal Faceplate): RTS
 Remote test switch (Plastic Faceplate): RTS-1

Power Consumption Chart

AC Input	Maximum		Stand-By*	
	Input Current	Input Power	Input Current	Input Power
120V	0.25 A	30 watts	0.1 A	11 watts
277V	0.12 A	30 watts	0.05 A	11 watts

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

Unit Rating Chart

Model Number	*Watts to 87 1/2% of rated battery voltage			
	1 1/2 hrs.	2 hrs.	4 hrs.	8 hrs.
RTM40, RTN40	40	30	24	-
RTM70, RTN70	70	50	40	24
RTM100, RTN100	100	70	50	40

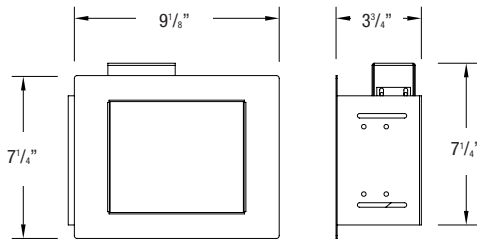
*National Electrical Code Specification

Outline and Dimensions

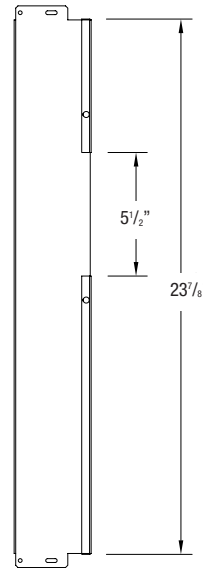
Dimensions are approximate and subject to change. Unit supplied with T-bar hanger kit package.

Charger & Battery Compartment:

For use in walls or ceilings with a cavity, not for use in block walls or solid ceilings.



REMOTE UNIT



BATTERY UNIT

No back box required

How To Order (example)

Battery Unit	RT	M	100	-2(50)	DL
	Series	Battery Type	Unit Capacity	Lamp Wattage	Options
	RT	M = Lead-Calcium N = Nickel-Cadmium	40 = 12V, 40W 70 = 12V, 70W 100 = 12V, 100W	-2(12) = 12W, MR16 each head -2(20) = 20W, MR16 each head -2(35) = 35W, MR16 each head -2(50) = 50W, MR16 each head -2 (20H) = 20W, MR16 high lumen output -2 (35H) = 35W, MR16 high lumen output -2 (50H) = 50W, MR16 high lumen output	AD = advanced diagnostic, audible ADNA = advanced diagnostic, non-audible D1 = time delay 5 minutes D2 = time delay 10 minutes D3 = time delay 15 minutes DL* = damp location X = backbox shipped separate
	*Available on all models except RTN100.				
Generator Unit	12	RTR	(20)	DL	
	Remote Voltage	Series	Wattage, each of the 2 lamps*	Options	
	12 = 120Volts DC 24 = 24Volts DC	RTR2= remote fixture	(12)= 12W, each head (20)= 20W, each head (35)= 35W, each head (50)= 50W, each head (20H)= 20W, MR16 high lumen output (35H)= 35W, MR16 high lumen output (50H)= 50W, MR16 high lumen output	DL = damp location	

*High lumen output lamps available with 12V only.