Phantom™ Series

New and Improved Design

Now Availablewith Nickel-Cadmium Batteries
Decorative and Discreet

The Phantom Series goes virtually undetected, blending into any environment. When AC power fails and lights go out, that is when the Retract-Lite emerges to illuminate the path to safety. This new unit is architecturally designed for unobtrusive use in walls with cavity 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.

FEATURES

- Each unit is computer-tested and aligned mechanically for optimum operation
- High quality textured powder coat finish
- Costumize finish on site (wallpapper and paint)
- Special hanger bars for T-Bar cieling
- The DC remote unit comes as a complete one piece module
- 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
- MR-16 halogen lamps for superior photometrics

POWER CONSUMPTION CHART

	Maximum		Stand-By	
AC Input	**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

UNIT RATING CHART

*Watts to 87 1/2% of Rated Battery Voltage				
Model #	**1 1/2 hrs.**	**2 hrs.**	**3 hrs.**	**4 hrs.**
RTM40, RTN40	40	30	24	-
RTM70, RTN70	70	50	40	24
RTM100, RTN100	100	70	50	40

* National Electrical Code Specification

DIAGNOSTIC/SELF TEST FEATURE

The self-test feature will simulate a power loss for 30 seconds every 30 days and a full 90-minute test every 12 months.

ELECTRICAL

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

Transfer: dust-tight, sealed relay; automatically deploys the door assembly and powers the emergency lights.

LVD: (low-voltage battery disconnect): automatically removes the electrical load (lamps, motor) when the battery reaches 87%of its nominal voltage.

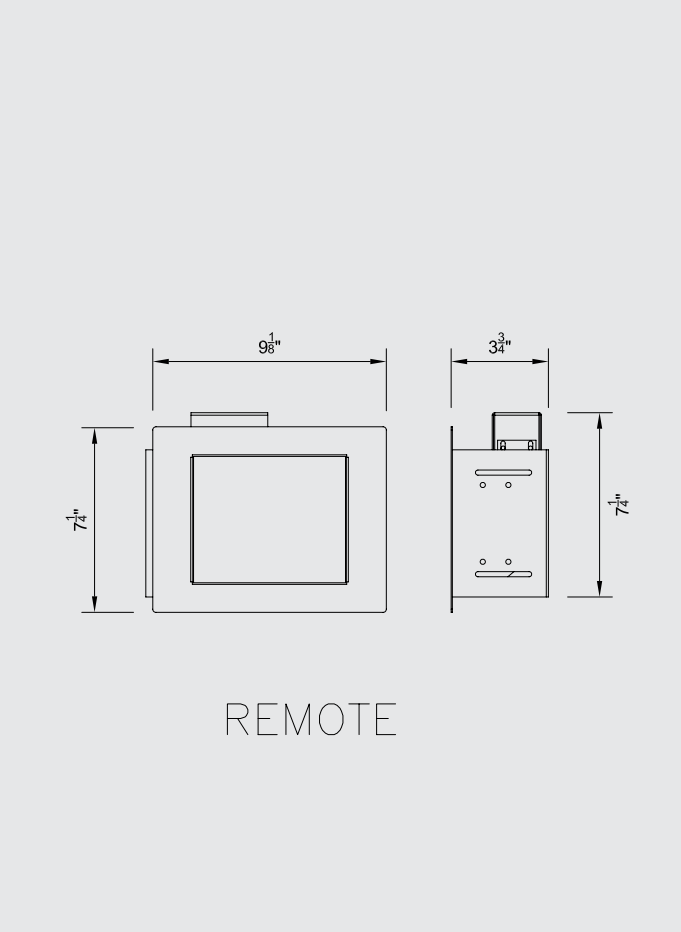
Lockout: labor-saving electronic circuit automatically connectsm the battery when the AC circuit is activated.

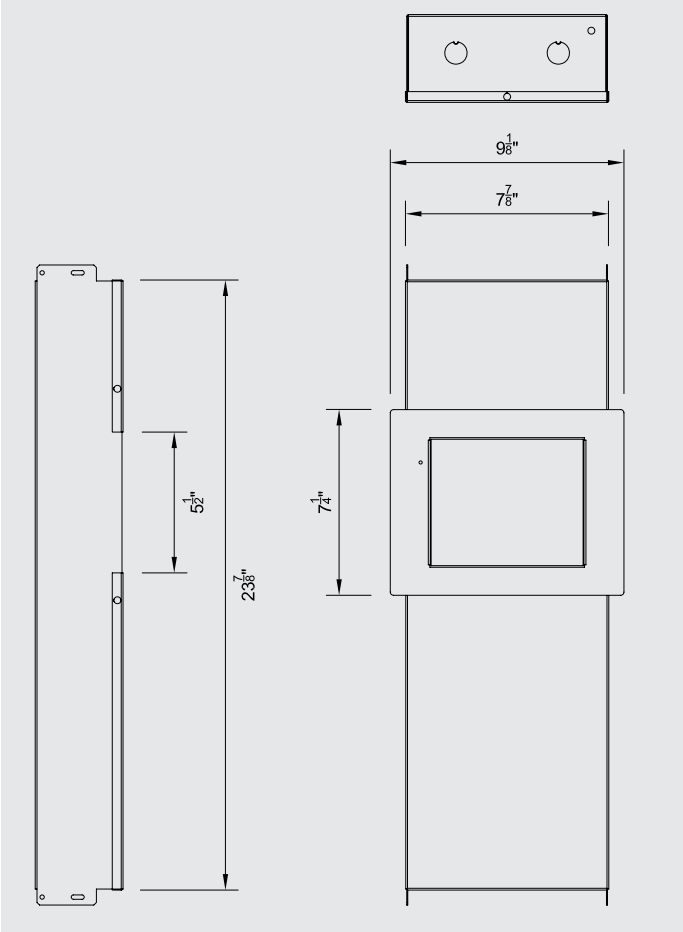
Brown-out: close-tolerance electronic circuit activates the emergency lights when the utility power dips below 80 – 85%of nominal voltage.

Charger: the Pulse-Plus charging circuit utilizes a microcontroller integrated circuit, that samples the battery in relation to the ambient temperature, state of charge, and input voltage fluctuations.

The charger is current limited, temperature compensated, short-circuit proof, and reversepolarity protected. The circuit will charge in accordance with UL924 requirements.

DIMENSIONS





ORDERING FORMAT

PH	M	100	-2(20)	DL
Series	**Battery Type**	**Unit Capacity**	**LampWattage***	**Options**
	M = Lead-Calcium	**40** = 12V, 40W	**-2(12)** = 12W, MR16 each head	**ID** = improved diagnostic, audible
	N = Nickel-Cadmium	**70** = 12V, 70W	**-2(20)** = 20W, MR16 each head	**IDNA** = improved diagnostic, non-audible
		100 = 12V, 100W	**-2(35)** = 35W, MR16 each head	**T1** = time delay 5 minutes
			-2(50) = 50W, MR16 each head	**T2** = time delay 10 minutes
			-2 (20H) = 20W, MR16 high lumen output	**T3** = time delay 15 minutes
			-2 (35H) = 35W, MR16 high lumen output	**DL** = damp Location*
			-2 (50H) = 50W, MR16 high lumen output	**X** = Backbox Shipped separate
			** Note: High lumen-output available with 12V only*	**Note : Damp location with Nickel-Cadmium batteries Only: Up to 70w max*