



PhantomTM

SERIES

NOW AVAILABLE WITH NICKEL-CADMIUM BATTERIES

New and Improved Design

- 40, 70 and 100 watt version with lead calcium and nickel cadmium batteries
- One standard back box for all unit wattages and battery types
- Complete 360° door rotation 180° to open, 180° to close
- "Snap-in" modular design, lighting module has keyholes for ease of installation
- Slip gear mechanism protects the unit and objects that would cause the door rotation to be forcibly stopped before reaching a full 180° degrees turn



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.



Lightalarms



Features

- Each unit is computer-tested and aligned mechanically for optimum operation
- High quality textured powder coat finish
- Customize finish on site (wallpaper and paint)
- Special hanger bars for T-Bar ceiling
- 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

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 connects the battery when the AC circuit is activated.

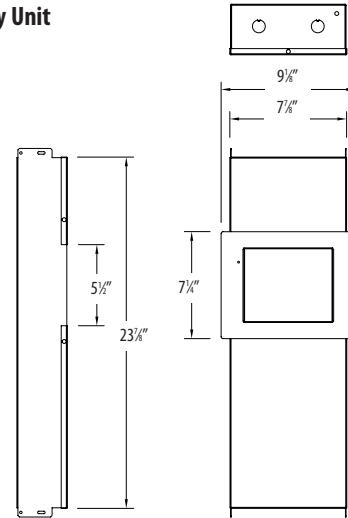
Brown-out: close-tolerance electronic circuit activates the emergency lights when the utility power dips below 80 – 85% of nominal voltage.

Charger: the Pulse-Plus charging circuit utilizes a micro-controller 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 reverse-polarity protected. The circuit will charge in accordance with UL924 requirements.

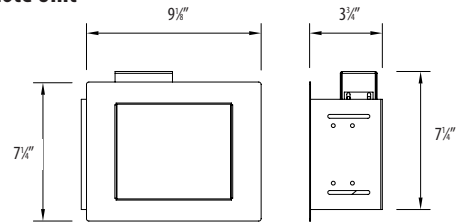
Outline and Dimensions

(Dimensions are approximate and subject to change without notice.)

Battery Unit



Remote Unit



*Opening for remote unit wall or ceiling mount to be 5.75" x 8".

Accessories sold as separate item

- Remote test switch
- Metal Faceplate: PSW
- Plastic Faceplate: PSW-1

Ordering Format

Example:

PH M 100 -2(20) DL

Series	Battery Type	Unit Capacity	Lamp Wattage*	Options
PH	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	

Remote Ordering Format

Example:

12 PHR2 -50

Remote Voltage	Series	Lamp Wattage	Option
12 = 12V, DC	PHR2 = remote fixture	-12 = 12W MR16	DL = damp location
24 = 24V, DC		-20 = 20W MR16	
		-35 = 35W MR16	
		-50 = 50W MR16	
		-20H = 20W MR16, high lumen output	
		-35H = 35W MR16, high lumen output	
		-50H = 50W MR16, high lumen output	
	*Note: High lumen-output available with 12V only		



www.lightalarms.com

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