



# PROTECTOR™ SERIES

6V Thermoplastic Housing Protected  
Lamps Choice of LED or Incandescent

TYPE \_\_\_\_\_  
 CATALOG # \_\_\_\_\_  
 \_\_\_\_\_  
 NOTES \_\_\_\_\_  
 \_\_\_\_\_



## FEATURES

### Housing

- Completely self-contained, thermoplastic construction with a polycarbonate lens that protects the fully-adjustable self-locking heads
- Optional tamper-proof screws

### Mounting

- Universal wall mounting pattern keyhole slots and a conduit knockout provide alternate mounting methods
- Optional ceiling mount includes safety wire and pre-machined housing to receive a securement screw

### Choice of lamp type

- High intensity mini tungsten 6V-5.4W
- MR16 LED Lamp, 6V-4W

### Electronics

- Integrated circuitry offers 120/277VAC 60Hz standard operation, LED pilot light rocker type, test switch, temperature compensated, low voltage battery disconnect, brownout protection and lock out (automatic battery connect)

### Improved Diagnostics option

- Optional improved diagnostic circuitry monitors every critical function of the unit and provides an audible and visual indicator when a fault is detected (non-audible versions available)

### NEXUS® option

- Units equipped with NEXUS® self-testing monitoring system circuitry shall self-test, in accordance with NFPA101 Life Safety Code for a minimum of 30 seconds monthly, 30 minutes every six months and 90 minutes annually as well as keep a history of all testing logs, plus feature real-time diagnoses, and provide the exact fixture location while notifying service personnel of the status of the fixture via email.

### Battery

- Available with sealed, maintenance-free Lead-Calcium batterie

### Approvals

- UL924 Listed
- UL924 Listed for use in Damp Locations (when ordered with DL option)

### Warranty (subject to proper installation and maintenance)

- Unit has a three year full warranty (excluding lamps and fuses)
  - Lead-Calcium battery has a three year full, plus three year pro-rata warranty
- Detailed warranty terms located at: <http://www.lightalarms.com>

## SPECIFICATIONS

Supply and install **Lightalarms® 2PT10/2PT18 Series** of 6V, 10.8/18W emergency lighting unit. Unit shall be fully automatic, self-contained, maintenance-free and listed to UL Standard 924.

**Circuitry** – shall include a 120/277V dual input transformer, automatic charging, instantaneous transfer, test switch, long life LED AC charge monitor light. The charger shall utilize a computer tested integrated circuit which samples the battery in relation to its temperature, state of charge and input voltage fluctuations. The charger shall be current limited, temperature compensated, shortcircuit protected and reverse polarity protected. The charger shall recharge the battery to rated capacity as per UL924 specifications. Electrical features shall include a Low Battery Voltage Disconnect circuit to protect the battery from deep discharge damage. Brownout protection for automatic unit operation when utility power drops low enough to dim incandescent lamps and extinguish fluorescent and HID lamps. Battery lockout feature to prevent battery discharge during installation to a non-energized circuit.

**Battery** – shall be 6V, maintenance-free and have the electrolyte in a sealed case. To prevent loss of electrolyte through gassing, the battery shall operate by the principle of electrolyte recombination. Housing- Heads and Shield- The housing and heads shall be constructed of high impact, UL 94-5VA flammability off white thermoplastic. The unit shall resist denting, peeling, scratching and corrosion. Heads shall have High Intensity Tungsten (HIT) lamps mounted in polished reflectors. The transparent lamp shield shall be constructed of acrylic.

**Mounting** – The unit shall be mountable in any orientation, on walls or ceilings. A universal mounting pattern, rear key-hole slots, and conduit entry on one end shall be provided. The lamp shield, housing and backplate shall be designed for snap-together assembly to eliminate screws and facilitate easy installation.

Unit shall be **Lightalarms®** catalog number \_\_\_\_\_.

## POWER CONSUMPTION / UNIT RATING CHART

SERIES	DC SPECS						AC SPECS	
	BATTERY TYPE	DC VOLTAGE	87.5% BATTERY CAPACITY (IN WATTS) <sup>1</sup>				UNITS DUAL VOLTAGE <sup>2</sup>	CURRENT MAXIMUM
			90 MIN.	2 HRS.	3 HRS.	4 HRS.		
2PT10	Lead-Calcium	6V	10.8	8.5	-	-		
2PT18		6V	18	12	10	7		

<sup>1</sup> National Electrical Code Specification

<sup>2</sup> All units 120/277 dual voltage, information based on wiring to specific voltage type

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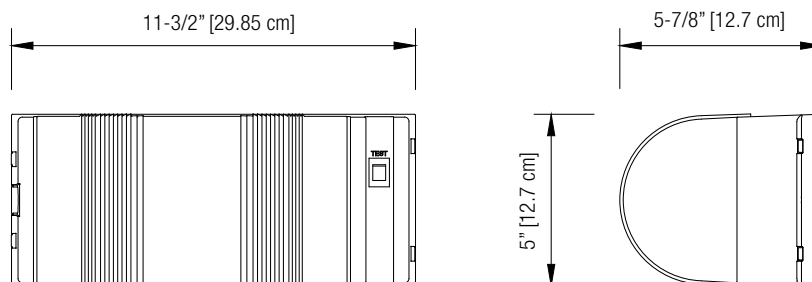
6V Thermoplastic Housing Protected Lamps Choice of LED or Incandescent



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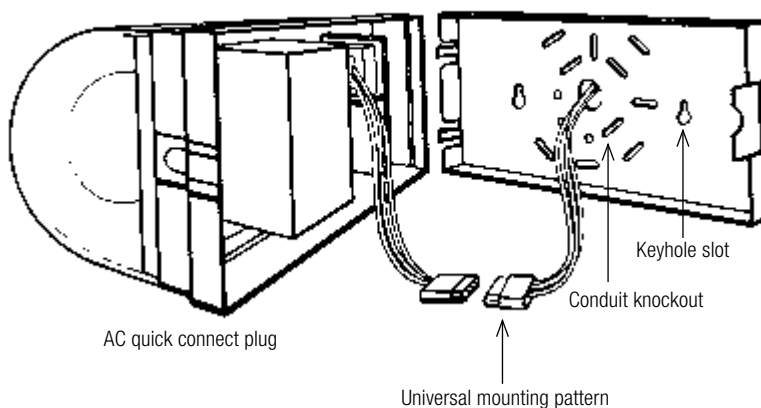
## DIMENSIONS

Dimensions are approximate and subject to change.



### Fast & Easy Installation

Snap-together design eliminates screws.



The Protector™ Series AC quick-connect plug, battery lock out feature and snap together design make installation fast and easy. With the AC quick-connect plug, contractors simply make the AC connection to the plug, mount the back plate and plug in the unit. The battery lock out feature is an AC activated load switch that prevents the batteries from discharging until the unit is energized with AC power. This allows the contractor to install the Protector™ Series and connect the batteries in one convenient operation. Universal mounting pattern keyhole slots and a conduit knock out provide alternate mounting methods.

## ORDERING FORMAT

HEADS	SERIES	LAMP SUFFIX	UNIT TYPE	HOUSING COLOR	OPTIONS
2= 2 heads	PT10= 6V-10.8W PT18= 6V-18W	LD1= 6V-4W, MR16 LED L5= Mini tungsten, 6V-5.4W	Blank= Standard Unit ID= Improved Diagnostic (audible) IDNA= Improved Diagnostic (non-audible) NEX= Nexus® wired <sup>1</sup> NEXRF= Nexus® wireless <sup>1</sup>	Blank= Mist white B= Black	V= Voltmeter <sup>1</sup> DL= Damp Locations 68-86°F / (20-30°C) VS= Vandal-Resistant Screws 3CP= Line Cord 120V (Supplied but not installed) CM= Ceiling mount
			<sup>1</sup> Available with 2PT10 only		<sup>1</sup> Available with Standard unit only

EXAMPLE: 2PT10LD1ID