

The RP Series provides a proven, reliable source of egress lighting housed in a classically designed package. Available in a wide variety of battery wattages, the RP Series incorporates high performance electronics in an attractive, impact resistant thermoplastic housing.

Model: _____ Date: _____
 Accessories: _____
 Job Name: _____ Type: _____

FEATURES

- Completely self-contained, compact design
- Rugged, injection-molded UL 94 V-0 flame retardant, high temperature thermoplastic housing
- Available in 6 or 12 volt with standard Renegade LED lamps
- Charge rate/power "ON" LED indicator light with test button
- AC lockout for ease of installation and installer protection
- Low voltage disconnect eliminates deep discharge
- Brown-out, short circuit and voltage surge protection
- Maintenance-free sealed lead calcium battery
- Optional NiCad battery available
- UL listed 90 minute emergency run time, 24 hour recharge time
- Optional Guardian Self-Test/Self-Diagnostics (G2) available
- Optional time delay feature available
- Standard finish: White
- 120/277V dual primary, 60Hz input
- Complete fixture series meets American Recovery and Reinvestment Act of 2009 (ARRA) requirements and Buy American provisions



WARRANTY

Any component that fails due to manufacturer's defect is guaranteed for 5 years with a separate 5 year pro-rated warranty on the battery. The warranty does not cover physical damage, abuse or instances of uncontrollable natural forces. Manufacturer reserves the right to charge for such repairs if deemed necessary.



ORDERING INFORMATION Example: RP6-25-REN2-2-W-TA

Series	Wattage	Lamp Heads ¹	# Of Lamp Heads	Finish	Options (Factory Installed)
RP6 = 6 Volt, Lead Calcium Battery	6 Volt, Lead Calcium	6 or 12 Volt LED	0 = No Lamps	W = White	G2 ² = Self-Test/Self-Diagnostics
RP6N = 6 Volt, NiCad Battery	18 = 18 Watts	REN1 = PAR18 3.6W LED	1 = 1 Lamp Head		TA ² = Time Delay 120VAC
RP12 = 12 Volt, Lead Calcium Battery	25 = 25 Watts	REN2 = PAR36 3.6W LED	2 = 2 Lamp Heads		TB ² = Time Delay 277VAC
RP12N = 12 Volt, NiCad Battery	36 = 36 Watts	6 Volt Tungsten Sealed Beam			LC = 3' Line Cord
	50 = 50 Watts	R0608 = 8 Watt			
	6 Volt, NiCad	R0618 = 18 Watt			Accessories³ (Field Installed)
	14 = 14 Watts	R0625 = 25 Watt			WG-6 = Wire Guard (Back Mount)
	18 = 18 Watts	12 Volt Tungsten Sealed Beam			XG-90 = Poly Guard (Back Mount)
	25 = 25 Watts	R1212 = 12 Watt			
	12 Volt, Lead Calcium	R1218 = 18 Watt			
	50 = 50 Watts	R1225 = 25 Watt			
	12 Volt, NiCad	6 Volt Halogen Sealed Beam			
	25 = 25 Watts	R06H08 = 8 Watt			
	36 = 36 Watts	R06H12 = 12 Watt			
	50 = 50 Watts	12 Volt Halogen Sealed Beam			Notes
	100 = 100 Watts	R12H08 = 8 Watt			¹ Alternate lamp heads are available, consult factory
		R12H12 = 12 Watt			² Not available with NiCad battery
		R12H25 = 25 Watt			³ Order as separate line item

CONSTRUCTION

Precision molded unit and lamp housings constructed of UV stable UL 94 V-0 flame retardant, corrosion proof thermoplastic. Units resist denting, peeling, scratching and corrosion. Not recommended for outdoor use. Toolless access provided for easy maintenance, universal J-box mounting pattern and keyhole slots provided for simple installation.

ILLUMINATION

Two, fully adjustable, attractive lamp heads allow for maximum light to be delivered to the path of egress. Emergency lights consist of two Renegade 3.6w LED lamp heads as standard.

ELECTRICAL

Input

Dual-voltage input 120 or 277VAC @ 60Hz.

Sealed Lead Acid Battery – SLA

Exitronix sealed lead acid batteries are maintenance-free with a life expectancy of 5 years. Lead Acid batteries are constructed of a series of plates stacked with separators designed to optimize the efficiency and prolong the life of the battery. Lead Acid batteries perform optimally in temperatures ranging from 15°C - 40°C (56°F - 104°F).

Nickel Cadmium Battery – NiCad

Exitronix nickel cadmium batteries are maintenance-free with a life expectancy of 15 years. Nickel cadmium batteries offer high discharge rates and continue to perform in a vast temperature range from 0°C - 40°C (32°F - 104°F). NiCad technology provides long lasting, safe and reliable performance by utilizing the jelly-roll design and allows a Ni-Cad cell to deliver a much higher maximum current than an equivalent size alternative battery. As a relatively larger area of the electrode is in contact with the active material in each cell, the internal resistance for an equivalent sized NiCad cell is lower which increases the maximum current that can be delivered.

Emergency

The RP series will operate for a minimum of 90 minutes during a loss of power with a 24 hour maximum recharge time for the battery.

Brownout Circuit

The brownout circuit monitors the flow of AC current to the unit and triggers the emergency lighting system once a set reduction of AC power occurs. This dip in the voltage will cause many fixtures to extinguish causing loss of normal lighting even though a total power failure has not occurred.

Low Voltage Disconnect

When the battery's terminal voltage falls below predetermined levels, the low-voltage circuit disconnects the emergency lighting load. The disconnect remains in effect until normal power is restored, preventing deep battery discharge and improving the life of the battery. The disconnect will also automatically reconnect the load circuit once the battery voltage returns to a normal value after charging.

Solid-State Transfer

The unit features a solid-state switching transistor which eliminates damaged contacts or mechanical failures associated with relays. The switching circuit is designed to detect a loss of AC power and automatically energizes the lamps. Upon restoration of the AC voltage, the emergency lamps will switch off and the charger will automatically recharge the battery.

Overload and Short-Circuit Protection

The solid-state overload monitoring system in the DC circuit disconnects the lamp load from the battery should excessive wattage demands be made and automatically resets when the overload or short-circuit is removed. This overload current protective characteristic eliminates the need for fuses or circuit breakers for the DC load.

Test Button

Our easily located test button allows for manual verification of proper operation of the transfer circuit and emergency lamps.

INSTALLATION

A universal mounting pattern and rear keyhole slots are provided for wall mounting.

Made in the USA (STANDARD)

Many of our products can be produced or transformed to comply with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements and Buy American provisions. These fixtures meet LEVEL 1 compliance when option is requested – please call factory for details with questions.

Guardian Self-Test/Self-Diagnostics (Option: G2)

The Guardian circuit continuously monitors the operating condition of the AC power, battery supply voltage, emergency lamp continuity and charging circuit.

The purpose of this option is to provide visual signaling in response to a fault at the EXIT sign battery and/or battery charger. If a failure is detected, visual status will occur immediately via the CHARGER LED and/or the BATTERY FAULT LED. The LEDs will stay illuminated until the fault is corrected.

The Guardian circuit also monitors the transfer circuit as well as performing automatic code compliant testing. The Guardian circuit will perform a 30 second discharge and self-test every 28-30 days. A 90 minute discharge and self-test is performed every 6 months.

Time Delay (Option: TA or TB)

The purpose of this feature is to allow additional time for “normally on” fixtures to return to full brightness prior to extinguishing the supplemental light from the emergency fixtures.

CONFORMANCE TO CODES & STANDARDS

The RP Series is UL listed and meets or exceeds the following: UL 924, NEC requirements and NFPA 101.

DIMENSIONS

