

The LRP Series has been developed with versatility, durability and architectural appeal in mind. The injection molded thermoplastic housing is both impact-resistant and UV stabilized. The LRP is supplied with your choice of 6 or 12 volt and manufactured with a range of 18-100 watts.

Model: \_\_\_\_\_ Date: \_\_\_\_\_  
 Accessories: \_\_\_\_\_  
 Job Name: \_\_\_\_\_ Type: \_\_\_\_\_

**FEATURES**

- Completely self-contained
- Rugged, injection-molded UL94 5VA flame retardant, high-temperature thermoplastic housing
- Each fully-adjustable, high-intensity lamp head contains 9 watt tungsten 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 lead acid battery
- UL listed 90 minute emergency run time, 24 hour recharge time
- Standard finish: Beige
- 120/277V dual primary, 60Hz input



**WARRANTY**

Any component that fails due to manufacturers defect is guaranteed for 5 years with a separate 2 year pro-rated warranty on the battery. The warranty does not cover physical damage, abuse or acts of God. See the full Exitronix warranty document for detailed information.



**ORDERING INFORMATION Example: LRP6-50**

| Series                                   | Wattage         | Accessories <sup>1</sup> (Field Installed) |
|--|-----------------|--|
| LRP6 = 6 Volt                            | <b>6 Volt</b>   | WG-7 = Wire Guard (Back Mount)             |
| LRP12 = 12 Volt                          | 18 = 18 Watts   | XG-6 = Poly Guard (Back Mount)             |
|  | 50 = 50 Watts   |  |
|  | 100 = 100 Watts |  |
|  | <b>12 Volt</b>  |  |
| <b>Notes</b>                             | 50 = 50 Watts   |  |
| <sup>1</sup> Order as separate line item | 100 = 100 Watts |  |

## CONSTRUCTION

The LRP series is a precision molded unit with lamp housings constructed of UV stable UL 924 V-0 flame retardant, corrosion proof thermoplastic. Units resist denting, peeling, scratching and corrosion. Not recommended for outdoor use. Tool-less 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 6 volt, 7.2 watt or 12 volt, 9 watt wedge base incandescent lamps.

## 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. Sealed lead acid batteries provide a relatively large power-to-weight ratio making them ideal for emergency applications. 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 15-40 degrees C.

### Emergency

The LRP 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

This emergency unit can be surface mounted utilizing a universal j-box mounting pattern and gasket provided.

## CONFORMANCE TO CODES & STANDARDS

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

## OPERATION INFORMATION

| Voltage | Series    | Watts for 1½ Hours | Lamp Watts | Total Connected Heads/Fixtures |       |        |
|---------|-----------|--------------------|------------|--------------------------------|-------|--------|
|         |           |                    |            | 4-Hrs                          | 2-Hrs | 1½ Hrs |
| 6       | LRP6-18   | 18                 | 7.2        | N/A                            | N/A   | 2      |
| 6       | LRP6-36   | 36                 | 7.2        | N/A                            | N/A   | 2      |
| 6       | LRP6-50   | 54                 | 7.2        | 2                              | 4     | 6      |
| 6       | LRP6-100  | 100                | 7.2        | 3                              | 6     | 11     |
| 12      | LRP12-50  | 54                 | 9          | N/A                            | 3     | 4      |
| 12      | LRP12-100 | 100                | 9          | 3                              | 6     | 8      |

## DIMENSIONS

