

RM SERIES

RECESSED BACKBOX EMERGENCY LIGHT FOR DRYWALL APPLICATIONS

The RM Series recessed emergency light will complement any decor; offering a low profile, unobtrusive design combined with a rugged steel housing and reliable electronics. This fully recessed emergency unit is ideal for use in restaurants, office buildings and public locations needing a low profile design.

FEATURES

- Compact, flush-mount design
- Enclosure constructed of 20 gauge steel
- Unit comes standard with two high impact 9 watt thermoplastic PAR 36 lamps
- Quick connects for ease of installation of lamps
- Low voltage disconnect eliminates deep discharge
- Brown-out, short circuit and voltage surge protection
- Overcharge protection
- Maintenance free lead acid battery – standard
- Optional NiMH battery available
- Universal recessed mounting – ceiling or wall
- UL Listed 90 minute emergency run-time with 24 hour recharge time
- Optional Guardian Self-Test/Self-Diagnostics (G2) available
- Optional time delay (TD) available with a 15 minute delay
- Standard finish: White (Black optional)
- 120/277V dual primary, 50/60Hz input
- Assembled in the U.S.A.



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. See the full Exitronix warranty document for detailed information.

ORDERING INFORMATION Example: RM6-18-REN2-2-W-G2

Series	Wattage	Lamp Heads ¹	# of Lamps	Finish	Options (Factory Installed)
RM6 = 6 Volt Lead Acid	6 Volt Lead Acid	6 or 12 Volt LED	2 = 2 Lamps	W = White	G2 = Self-Test/Self-Diagnostics
RM6NM = 6 Volt NiMH	18 = 18 Watt	REN-2 = Renegade 3.6W LED		B = Black	HB = Hanger Bars for Drop Ceilings
RM12 = 12 Volt Lead Acid	25 = 25 Watt	6 Volt Tungsten Wedge Base			TD ² = Time Delay
RM12NM = 12 Volt NiMH	36 = 36 Watt	T0609 = 9 Watt			
	6 Volt NiMH	6 Volt Halogen			
	18 = 18 Watt	T06H12 = 12 Watt			
	25 = 25 Watt	12 Volt Tungsten Wedge Base			
	36 = 36 Watt	T1209 = 9 Watt			
	12 Volt Lead Acid	T1212 = 12 Watt			
	25 = 25 Watt	T1218 = 18 Watt			
	36 = 36 Watt	12 Volt Sealed Beam Halogen			
	12 Volt NiMH	R12H08 = 8 Watt			
	25 = 25 Watt	R12H12 = 12 Watt			
	36 = 36 Watt				

CONSTRUCTION

20 gauge steel housing with epoxy powder coat finish. Standard white finish with optional choice of black.

ILLUMINATION

Lamp head styles are constructed of durable steel in a color matching the finish of the cabinet (white is standard). Lamp housing features a unique twist locking collar that securely holds the lens and facilitates quick and easy re-lamping.

The RM series is supplied with 9 watt high intensity tungsten lamps as a standard. Alternate lamp wattages are available up to 18 watts in either tungsten or halogen option.

ELECTRICAL

Input

Dual-voltage input 120 or 277VAC at 50/60Hz.

Sealed Lead Acid Battery (Standard)

Exitronix sealed lead acid batteries are maintenance-free with a life expectancy of 5 years. Sealed lead acid batteries perform optimally in temperatures ranging from 15-40° C.

Nickel Metal Hydride Battery (NiMH)

Nickel metal hydride batteries are maintenance-free with a life expectancy of 15 years. NiMH batteries perform optimally in temperatures ranging from 0°C to 40°C (32°F to 104°F). NiMH batteries are more environmentally friendly than traditional NiMH or lead acid alternatives as they contain no cadmium or lead.

Emergency

The RM series will operate for a minimum of 90 minutes during a loss of power with a 24 hour maximum recharge time for sealed lead acid batteries and 48 hour recharge for a NiMH battery option.

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.

Test Button

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

INSTALLATION

The RM series emergency unit is designed to be fully recessed into a drop ceiling, standard ceiling or wall. Torsion springs securely hold the RM cover in place. Optional hanger bars for drop ceiling installations allow the unit to hang securely in place. The fully recessed design is ideal for running remote loads and maintaining an architectural element. Quick connects are provided for ease of installation of lamp heads.

Assembled in the USA

It is in full compliance with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements and assembled in the USA.

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 possible fault. 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 5 minute discharge and self-test every 30 days. A 90 minute discharge and self-test is performed every 6 months.

Time Delay (Option: TD)

The time delay feature will maintain emergency backup for 15 minutes 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 RM Series is UL listed and meets or exceeds the following: UL 924, NEC requirements and NFPA 101. City of Chicago Fire Code Approved.

DIMENSIONS

