

RS SERIES

HIGH-CAPACITY STEEL EMERGENCY LIGHT

FEATURES

- Enclosure constructed of rugged 20 gauge steel
- Available in 6, 12 or 24 volt with wattages ranging from 120-360 watts with knockouts for side mounted heads allowing for up to 4 lamp heads per unit
- 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
- Optional NiCad battery available
- CSA listed 90 minute emergency run time, 24 hour recharge time
- Optional Guardian Self-Test/ Self-Diagnostics (G2) available
- Optional time delay (TD) feature available
- Standard finish: Black or White
- 120/277V dual primary, 60Hz input
- Assembled in the U.S.A.



WARRANTY

Any component that fails due to manufacturers defect is guaranteed for 3 years with a separate 3 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: RS12-200-T1218-2-W-G2

Series	Wattage	Lamp Heads ¹	# Of Lamp Heads	Finish	Options (Factory Installed)
RS6 = 6 Volt Lead Calcium	6 Volt, Lead Acid	6 Volt Tungsten Wedge Base	0 = No Lamps	W = White	G2 = Self-Test/Self-Diagnostics
RS12 = 12 Volt Lead Calcium	120 = 120 Watts	T0609 = 9 Watt	2 = 2 Lamp Heads	B = Black	LC = 3' Line Cord
RS12N = 12 Volt NiCad	200 = 200 Watts	6 Volt Tungsten Sealed Beam	3 = 3 Lamp Heads		TD ² = Time Delay
RS24 = 24 Volt Lead Calcium	12 Volt, Lead Acid	R0608 = 8 Watt	4 = 4 Lamp Heads		
RS24N = 24 Volt NiCad	180 = 180 Watts	R0618 = 18 Watt			
	360 = 360 Watts	R0625 = 25 Watt			Accessories³ (Field Installed)
	12 Volt, NiCad	12 Volt Tungsten Wedge Base			WG-A = Wire Guard (Back Mount)
	130 = 130 Watts	T1209 = 9 Watt			XG-PS = Poly Guard (Back Mount)
	200 = 200 Watts	T1212 = 12 Watt			
	24 Volt, Lead Acid	T1218 = 18 Watt			
	280 = 280 Watts	12 Volt Tungsten Sealed Beam			
	360 = 360 Watts	R1212 = 12 Watt			
	24 Volt, NiCad	R1218 = 18 Watt			
	200 = 200 Watts	R1225 = 25 Watt			
		24 Volt Tungsten Wedge Base			
		T2409 = 9 Watt			
		T2418 = 18 Watt			

Notes

¹ Alternate lamp heads are available, see Remote Lamp Heads specification sheet or consult factory

² Not available on units with NiCad battery

³ Order as separate line item

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CONSTRUCTION

The RS series is die-formed 20 gauge steel housing with epoxy powder coat finish. White finish is standard. Universal J-box mounting patten and keyhole slots provided for simple installation. Knockouts are provided on top, back, and sides for easy wire entry. Can also be shelf mounted – ordered separately.

ILLUMINATION

Fully adjustable, attractive lamp heads allow for maximum light to be delivered to the path of egress. Up to 4 lamp heads may be installed on each emergency unit. Emergency lights vary – see ordering information for details. The RS series is RENEGADE compatible – 3.6W LED per head.

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.

Sealed Nickel Cadmium Battery – NiCad (Option: NC)

Exitronix sealed 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 0-40 degrees C. 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 RS series exit 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.

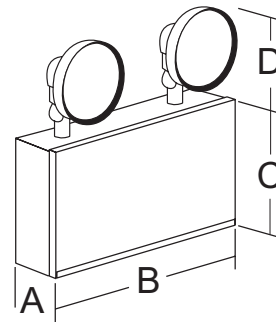
Time Delay (Option: TD)

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

DIMENSIONS



	A	B	C	D
6 & 12V 120-180W	6.00"	13.00"	10.00"	6.00"
12 & 24V 200-360W	6.00"	18.00"	10.00"	6.00"