



new feature

# RG-HZ Series

Battery Unit Hazardous  
Locations: Class I Div 2,  
Class II Div 1&2 and Class III



## FEATURES

- N** • Includes the addition of Class II Div 1&2 Groups E, F and G as well as Class III ratings
- Certified Class I Zone 2, Groups IIA, IIB and IIC
- Certified Class I Division 2, Groups A, B, C and D as per CSA C22.2 No.137-M1981
- Certified temperature codes for several types of emergency lamps
- Suited for areas with the risk of flammable gases, vapors or liquids that can create an explosive atmosphere
- Heavy-duty 1/8" thick aluminum back plate with keyholes for secure wall-mount installation
- Two LED lamps, shielded by a cast aluminum housing and a polycarbonate cover
- N** • 6W LED emergency lights provide 100 ft of egress illumination on a 6-foot wide path
- Sealed, maintenance-free, Lead-Calcium batteries with up to 150W emergency power
- Built-in microcontroller-based battery charger and auto-diagnostics circuitry
- 1/2" electrical conduit entry on both sides and at the top
- Auto-testing capabilities (specific load requirements)
- Meets or exceeds CSA C22.2 No.141-15

See warranty details at: [www.tnb.ca/en/brands/lumacell](http://www.tnb.ca/en/brands/lumacell)

## TYPICAL SPECIFICATIONS

Supply and install **Lumacell® RG-HZ Series** battery units. Designed specifically for Hazardous Location environments, the equipment frame shall be of industrial grade polymeric material with gaskets around both sides of the contour. The frame shall be fixed between two plates made of 1/8" thick aluminum sheet. The back plate shall include four keyholes for wall-mount installation. The front plate shall include two water-tight lenses for pilot lights: AC-on and "Service required". When specified, the equipment shall have attached a lower compartment containing two emergency lights with adjustable swivels and LED lamps. The lamps shall be shielded by a cast aluminum housing and protected by a shock-absorbent, transparent polycarbonate cover.

The equipment shall be certified for Hazardous Locations: Class I Division 2 Groups A, B, C and D, Class II Division 1&2 Groups E, F and G as well as Class III. The standard equipment shall have a dual voltage input: 120/347VAC and shall be equipped with a magnetic test switch located on the left side of the frame. The unit shall include self-testing/auto-diagnostic functions monitored by a micro-controller and shall automatically self test for one minute every 30 days, 10 minutes every 6 months and 30 minutes annually. The "Service required" LED shall light when a fault is detected. A four-LED diagnostic display located inside the equipment shall identify the source of the failure (battery, charger circuitry, lamp load).

The unit shall be listed CSA C22.2 No.141-15 and No. 137 – M1984 certified. Equipment is **Lumacell®** Model: \_\_\_\_\_

### HAZARDOUS LOCATION FAMILY CLASS I, II AND III



- LH Series Pictogram Exit Sign



- LER-HZ Series Exit Sign



- LHC Series Pictogram Exit Sign



- 3LER-HZ Series Exit Sign



- MQM-HZ Series Remote Fixtures

## TEMPERATURE CODES (CLASS I DIVISION 2)

LAMP RATING	TEMPERATURE CODE	MAX. TEMPERATURE	REPLACEMENT LAMP
6V-4W LED	T4A	120°C	580.0097-L
6V-5W LED	T4A	120°C	580.0122-L
12V-4W LED	T4A	120°C	580.0093-L
12V-5W LED	T4A	120°C	580.0104-L
12V-6W LED	T4	135°C	580.0106-L

Note: Use qualified replacement lamps to avoid risk of over-heating.

## POWER CONSUMPTION AND UNIT RATING

MODEL	AC SPECS		WATTAGE CAPACITY				
			30 MIN	1H00	1H30	2H00	4H00
RGHZ36	120/347VAC	0.15/0.06 A	36	21	15	12	-
RG12HZ72		0.30/0.10 A	72	42	30	24	12
RG12HZ72		0.30/0.10 A	120	70	50	40	20
RG12HZ150		0.30/0.10 A	150	-	72	-	-



new feature

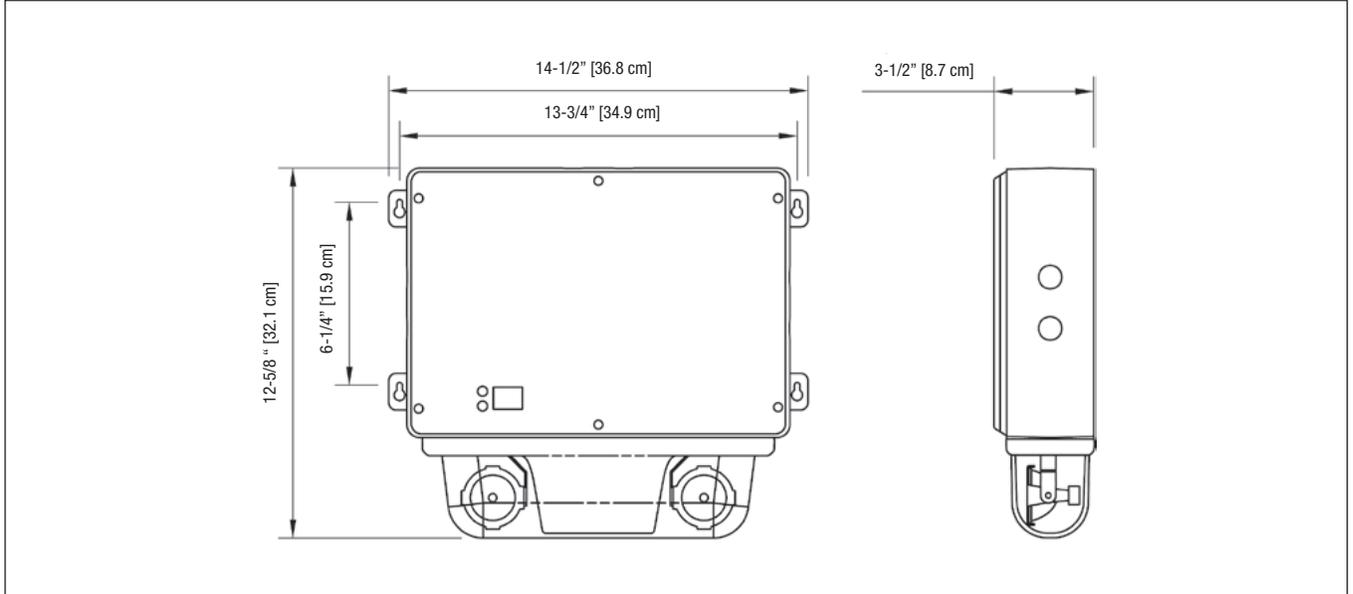
# RG-HZ Series

Battery Unit Hazardous Locations: Class I Div 2, Class II Div 1&2 and Class III



## DIMENSIONS

Dimensions are approximate and subject to change.



## ORDERING INFORMATION

SERIES	CAPACITY	# OF HEADS	LAMP/WATTAGE	COLOUR	AC VOLTAGE	CHARGER TYPE
RGHZ= 6V RG12HZ= 12V	36= 6V-36W 72= 12V-72W 120= 12V-120W 150= 12V-150W	Blank= no heads 2= 2 heads	LD1= MR16 LED, 6V-4W LD2= MR16 LED, 6V-5W LD7= MR16 LED, 12V-4W LD9= MR16 LED, 12V-5W LD10= MR16 LED, 12V-6W	Blank= grey	Blank= 120/347VAC ZC= 277VAC	AT= auto-test <sup>1</sup> ATN= auto-test, non-audible <sup>1</sup> NEXRF= wireless NEXUS <sup>®</sup> system interface <sup>2</sup>

<sup>1</sup>Minimum lamp load required: 20% of unit capacity

<sup>2</sup>Not all options available with NEXUS<sup>®</sup> System. Please consult your sales representative

EXAMPLE: RGHZ362LD7AT