



Type No. \_\_\_\_\_

Job Name \_\_\_\_\_

Catalog No. \_\_\_\_\_



Shown: XRC2



# Unison II Series

- **Thermoplastic Combination**
- **Emergency LED Exits**
- **High Performance, Adjustable Lamps**
- **Long Life, Energy Saving LEDs**
- **Compact Design**
- **Diagnostics Available**

## Housing

- Contractor-friendly, snap-together construction
- UL 94, 5 VA high impact thermoplastic
- Universal installation along top or rear of housing
- Stencil face is easily removed
- Field-selectable chevrons
- Canopy furnished with all models

## Battery

- Maintenance free, sealed lead calcium battery has an expected service life of 5 years with an operating range of 50°F (10°C) to 104°F (40°C)\*
- Batteries are installed at the factory and include a quick connector plug assembly
- Extra battery option provides up to 12 W capacity at 6 V for remote lamps

\* Increases or decreases in temperature will affect battery performance and/or capacity. Optimum battery performance realized at 77°F (25°C).

## Illumination

- Emergency illumination is provided by two high performance lamp heads integral to the product housing
- Each lamp head can be positioned on top, side or "in-between"
- Standard lamp reflector system uses a high intensity 5.4 W T-5 wedge base tungsten lamp
- Illumination of the exit face is accomplished with long lasting, high output Light Emitting Diodes (LEDs), without hot spots or striations

## Installation

- All models are designed with an easy snap together design, and supplied with two faces, a backplate and a canopy making this sign universal to most mounting configurations

## Electronics

- 120/277 VAC input with surge-protection
- Lead calcium units utilize a solid-state, fully automatic, voltage regulated charger
- Brownout protection activates lights when AC voltage drops 20% below nominal
- Labor saving AC lockout feature
- Low voltage disconnect prevents deep battery discharge

## Electrical Specifications

### Self-Powered

- Red: 0.027 A (120 VAC), 0.012 A (277 VAC)
- Green: 0.030 A (120 VAC), 0.013 A (277 VAC)

### Code Compliance

- UL 924 listed
- UL damp location listed
- NFPA 101, NEC, BOCA, OSHA, and IBC illumination standards

## Application

- Ideal for commercial, retail, and office locations where an attractive, highly reliable and easily installed combination emergency/exit sign is needed
- Can be installed using top or rear housing

## Warranty

- Electronics: 3 years
- Battery: 1 year full, 4 years pro-rata

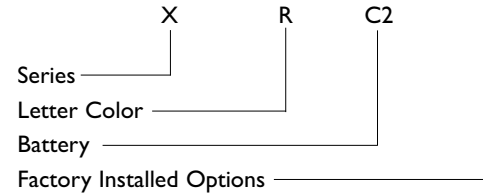
# Unison II Series Combination

## Ordering Information

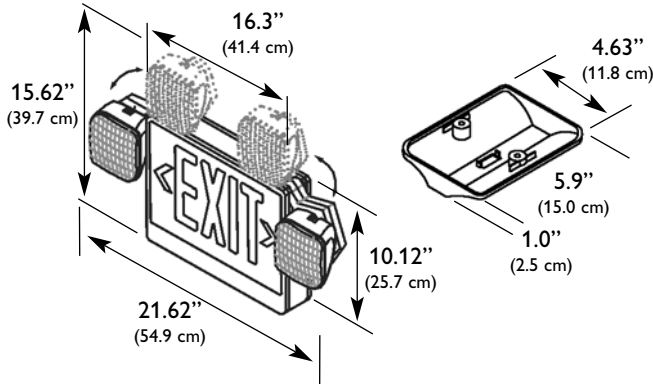
<b>X</b>		<b>C2</b>	
SERIES	LETTER COLOR	BATTERY	FACTORY INSTALLED OPTIONS
<b>X</b> = Unison Series II Thermoplastic LED Exit with White Housing	<b>R</b> = Red LEDs <b>G</b> = Green LEDs	<b>C2</b> = Combination Emergency Exit	<b>OT</b> = OmniTest Self-Diagnostics <b>XBAT</b> = 12W Remote Capability <sup>1</sup>

**NOTES:** 1) XBAT not available with OT Self-Diagnostics.

## Ordering Example



## Dimensions



Dimensions are approximate and subject to change.

## Suggested Specification

Furnish and install LightGuard combination emergency exit sign model \_\_\_\_\_. The exit shall be listed to Underwriter's Laboratories, Inc. Standard #924 and shall meet the standards of the National Electrical Code (NEC).

**INSTALLATION AND OPERATION** - Exit shall be easily field connected to a 120 or 277 VAC, 60 Hz, unswitched power source. Installation must comply with the NEC as well as other applicable codes. (Self-Powered Only) - Upon utility power failure or brownout, the unit shall automatically transfer to battery power and maintain the required illumination level for a minimum period of 90 minutes. Upon restoration of utility power, the charger shall restore the battery to full charge within UL 924 requirements following a rated discharge of not more than 90 minutes. The unit shall be damp location listed standard.

**CHARGER (Self-Powered Only)** - Product shall utilize a fully automatic, voltage regulated (lead calcium) charging system which will maintain the battery at full capacity without the need for periodic exercising or equalization. The following features shall be standard: low voltage disconnect (LVD), brownout protection and AC lockout.

**BATTERY (Self-Powered Only)** - The battery shall be maintenance free, sealed lead calcium. Sealed lead calcium batteries shall provide trouble-free operation in temperatures up to 104° (40°C) and are supplied with a one year full warranty. The battery shall be factory installed, and supplied with a modular connector assembly for installation.

**ILLUMINATION** - Illumination shall be provided by two externally mounted, fully adjustable reflector systems utilizing a high output tungsten lamp source. Lamp reflectors shall be constructed of a high efficiency lamp chamber which utilizes a 5.4W tungsten lamp. Exit sign illumination shall be indirect, and accomplished by utilizing high intensity LEDs. The LEDs shall be designed so that the unlikely failure of one LED will not affect the integrity of the total sign while in the emergency mode.

**HOUSING** - Housing construction shall be impact resistant UL 94, 5 VA rated thermoplastic. Product shall be furnished with a standard white finish. Units shall be designed to back mount or canopy mount to 3 1/2, 4" octagon, or 4" square junction boxes and will be supplied with a knockout pattern to facilitate mounting. The housing and backplate, or housing, canopy and mounting plate (ceiling mounting) shall snap together, and shall be rigidly secured to the junction box via metal screws.

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



272 West Stag Park Service Road • Burgaw, NC 28425  
(910) 259-1131 • FAX (800) 403-6927  
www.lightguard.com

L2163R11  
1/12 IH