CHLORIDE
SYSTEMS

TYPE: _____

CATALOG NO.: _____

RCX Remote Series

Die Cast Aluminum Exits w/ 10.8 watts Remote Capability
Emergency Operation, LED Illumination

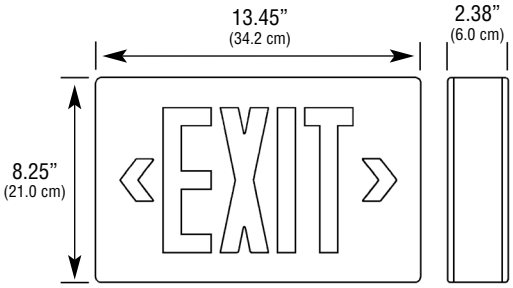
General Description

Chloride's new RCX Remote Series offers up to 10.8 watts of remote capability. The RCX Remote Series is ideal for locations that require an attractive, reliable and economical exit sign, plus desire the added benefit of remote capability.

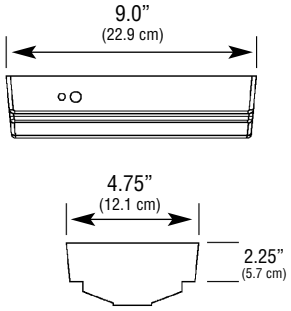
Illumination

Illumination of the exit stencil face is accomplished with long lasting, high output Light Emitting Diodes (LEDs). Hot spots and striations are eliminated by the internal "light chamber" especially designed around the high performance LED array.

Dimensions



Standard Canopy



Dimensions are approximate and subject to change.

Housing

Two-piece die cast aluminum construction with NFPA-type field selectable chevrons.

Housing and stencil face castings are available with durable epoxy-based powder coat paint finishes. A brushed aluminum stencil face is also available.

A positive latching exit stencil face provides secure closure yet is easily accessible for installation, maintenance and inspection.

Universal knockouts located on canopy backplate allow for wall mounting directly to standard junction boxes.

SHOWN: RCXLN1RW

Electronics

Emergency Operation - 120/277 VAC dual voltage input with surge-protected, solid-state circuitry provides for a reliable charging system.

Charging system is complete with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

Battery

Maintenance free, sealed lead calcium battery

Estimated service life of 5 years

Operating temperature range of 65°F (19°C) to 85°F (30°C)

Code Compliance

UL 924 listed, UL Damp Location Listing Optional

NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

Electrical Specifications

Input power requirements
Red = 10.4 watts (120 VAC), 10.8 watts (277 VAC)
Green = 9.8 watts (120 VAC), 10.8 watts (277 VAC)

Remote Capability
Max. Remote Load - 10.8 watts

Warranty

Three year full electronics warranty

Five year full plus five year prorated battery warranty

Ordering Information (Example: RCXLN1RWDL)

RCX	L	N				—	
SERIES	LAMP TYPE	BATTERY	STENCIL FACES	LETTER COLOR	STENCIL FACE/ HOUSING COLOR		FACTORY INSTALLED OPTIONS
RCX = Die Cast Aluminum Exit	L = LED	N = Self-Powered	1 = Single 2 = Double	R = Red G = Green	A = Natural Brushed Aluminum Face w/ Black Housing B = Black Stencil Face w/ Black Housing N = Natural Brushed Aluminum Face w/ Natural Brushed W = White Stencil Face w/ White Housing WA = Natural Brushed Aluminum Face w/ White Housing		DL = Damp Location Listing 10°C - 45°C

Specification Data for RCX Series Die Cast Aluminum LED Exit with Remote Capability

Housing

Two-piece construction from heavy duty die cast aluminum alloy.

Standard housing finish incorporates black or white epoxy-based powder coat paint. Standard stencil face finish for the black housing is brushed aluminum. A matching white stencil face is standard for the white housing.

NFPA-type chevrons are field selectable and brushed smooth after insertion to prevent unattractive sight lines.

The mounting canopy is constructed from heavy duty die cast aluminum alloy and is painted to match frame color.

The RCX Series housing can be wall mounted without the use of a mounting canopy. Provisions are available via universal knock-outs for direct mounting to a recessed junction box. Knockouts allow top or end mounting of product utilizing matching canopy.

Battery

A maintenance free, sealed lead calcium battery is standard. Construction is of the sintered plate design and the battery assembly is equipped with a quick connect plug assembly for easy installation.

Standard sustained emergency operation is for 90 minutes with the LED illumination source providing full light output.

The suggested operating temperature range of 65°F (19°C) to 85°F (30°C) and should provide a service life of 5 years.

Electronics

Emergency Operation

Dual voltage 120/277 VAC input with surge protection is standard.

All components are located within the exit housing.

An indicator light is located on the bottom of the housing to signify that AC utility is present.

AC lockout prevents battery drain prior to the initial energizing of utility power.

The low voltage disconnect (LVD) feature will disconnect the battery prior to an unacceptable deep discharge, but not before the required 90 minute emergency operation.

The brownout protection circuitry will automatically switch the unit into the emergency mode if the utility voltage sags below 20% of nominal.

Battery charging circuitry is entirely solid-state, and of a constant current design. Battery recharge time after a complete discharge is less than the required UL 924 standard.

Solid-state circuitry causes an instantaneous transfer to battery power if either the loss of AC utility, or a brownout condition is detected. When line voltage is present and stabilized, the transfer circuitry switches back to normal operation and begins recharging the battery. The transfer circuitry can be tested via a momentary test switch located on the bottom of the housing.

Electrical Specifications

Input power requirements

Red = 10.4 watts (120 VAC), 10.8 watts (277 VAC)
Green = 9.8 watts (120 VAC), 10.8 watts (277 VAC)

Remote Capability

Max. Remote Load - 10.8 watts

Code Compliance

The RCX Series meets or exceeds all performance standards as required by UL 924, NFPA 101, NEC, BOCA, OSHA, and IBC.

Suggested Remote Lamp — Symmetry Remote Unit

Chloride's Symmetry Remote Unit is ideal for use with the RCX Series. Available in 6 volt operation with your choice of single 6 watt, 7.2 watt or 9 watt lamps, or dual 5.4 watt lamps.

Ordering Information

Single Lamp

ST66WG = 6V, 6W
ST76WG = 6V, 7.2W
ST96WG = 6V, 9W

Dual Lamp

SMR10WG = 6V, 5.4W (shown)

Suggested Specification

Furnish and install Chloride's LED exit sign model _____. The exit shall be constructed to meet Underwriter's Laboratories, Inc. Standard #924 and the National Electrical Code (NEC).

INSTALLATION AND OPERATION - Exit shall be easily field connected to a 120 or 277 VAC, 60 hertz, unswitched power source. Installation must comply with the NEC as well as other applicable codes. (Emergency Operation 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.

CHARGER (Emergency Operation Only) - Product shall utilize a constant current 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. Five year warranty provided.

BATTERY (Emergency Operation Only) - The battery shall be maintenance free, sealed lead calcium.

ILLUMINATION - The RCX Series indirect view LED exit signs shall incorporate 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 in the emergency mode. The RCX Series exit with red LEDs shall consume 10.4 watts (120 VAC) or 10.8 watts (277 VAC). The RCX Series exit with green LEDs shall consume 9.8 watts (120 VAC) or 10.8 watts (277 VAC). Max. remote load is 10.8 watts.

ENCLOSURE - The exit sign housing shall be constructed of heavy duty die cast aluminum. The final housing finish shall be an epoxy-based powder coat paint. The exit stencil face shall be constructed of the same aluminum alloy and will be completed with a brushed finish or matching paint. Chevron direction shall be field selectable, and if left in place will not disturb the visual line of the exit face.

ISO 9001 CERTIFIED
AMERICAN GLOBAL STANDARDS

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