

GENERAL DESCRIPTION

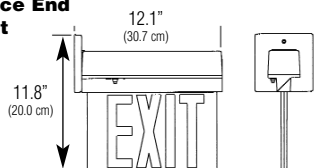
The Symmetry Series Edge-Lit Exit provides a progressive, thin, compact design that is complementary to upscale architectural spaces. This premium exit sign is ideal for commercial or retail architectural designs, while offering energy efficient power consumption. The simplified universal installation process makes the Symmetry Series Edge-Lit Exit both a specification product and electrical contractor favorite. The Symmetry Series is a Made in the USA product.

ILLUMINATION

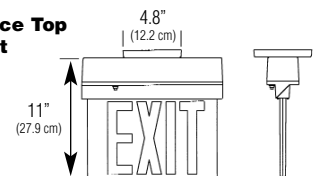
Illumination of the Symmetry Series tapered exit panel is accomplished with the use of high brightness LEDs offering even illumination. LEDs offer low maintenance replacement costs and long life.

DIMENSIONS

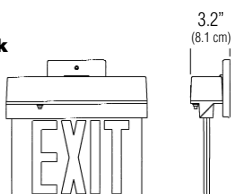
Surface End Mount



Surface Top Mount



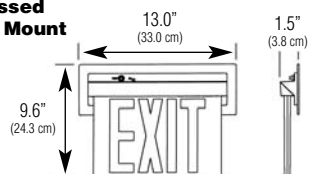
Surface Back Mount



Recessed Top Mount



Recessed Back Mount



Hole Dimensions for Recessed Mount



Dimensions are approximate and subject to change.

Symmetry Series

Edge-Lit Exits

AC Only and Emergency Operation LED Illumination



SHOWN: SEW1R

HOUSING

Impact resistant, UL 94 V-0, 5 VA thermoplastic housing/backbox can be used for both recessed and surface mount applications.

White housing is standard, with an optional black housing.

PANEL

The Symmetry Series Edge-Lit Exit stencil panel includes customer-installable NFPA-type directional chevrons, and is manufactured from high impact clear acrylic and silk-screened computer generated artwork. All artworks meet UL and NFPA standards for exit signage.

All models are supplied with white and mirrored inserts to complement the standard clear panel.

ELECTRONICS

AC Only - 120/277 VAC dual voltage input with surge protection.

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

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

BATTERY

Maintenance free, sealed nickel cadmium battery

Supplies 90 minutes of emergency power

Estimated service life of 10 years

Operating temperature range of 20°F (-7°C) to 95°F (35°C)

CODE COMPLIANCE

UL 924 listed

UL damp location listing optional 50°F (10°C) to 104°F (40°C)

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

ELECTRICAL SPECIFICATIONS

Input power requirements at 120 VAC

AC Only

Red - 5.16 watts
Green - 4.80 watts

Self-Powered

Red - 8.4 watts
Green - 5.4 watts

WARRANTY

Three year full electronics warranty

Five year full plus five year prorated battery warranty

ORDERING INFORMATION (EXAMPLE: SW1R)

SERIES	HOUSING/TRIM FINISH	# OF FACES	LETTER COLOR	FACTORY INSTALLED OPTIONS ¹
S = Symmetry AC LED Edge-Lit Exit	B = Black W = White	1 = Single Face 2 = Double Face	R = Red LED G = Green LED	2CKT1 = Two Circuit, 120 VAC 2CKT2 = Two Circuit, 277 VAC BF = Buzzer/Flasher (Self-Powered) BZ = DC Buzzer (Self-Powered) DL = Damp Location Listing EX = Special Input Transformer ¹ (specify voltage & frequency) FA = Fire Alarm Flasher FL = Emergency Flasher

ACCESSORIES (order as a separate line item)

PKIT12W² = Pendant Kit, 12" white finish
PKIT12B² = Pendant Kit, 12" black finish
SC = Bar Hanger Kit³

NOTES:

- Some option combinations may impact UL listing. Consult factory for specifics.
- Custom pendant lengths and colors available, consult factory.
- Required for recessed installations.

Specification Data for Symmetry Series Edge-Lit Exit

HOUSING

The Symmetry Series Edge-Lit Exits incorporates UL94 V-0.5A thermoplastic construction, and can be field configured for surface and recessed wall or ceiling mounting.

The housing is available in white or black.

PANEL

The Symmetry Series Edge-Lit Exit uses high impact acrylic panels that diffuse light evenly and provides a thin profile conducive to architectural design. The stencil panels include field-inserted directional chevrons and have universal orientation capability.

Models are supplied with white and mirrored insets to complement the standard clear panel.

ILLUMINATION

Illumination is provided by diffusing LEDs through acrylic panels. The illumination is even and very accentuated. LEDs provide long life and low maintenance.

The Symmetry Series Edge-Lit Exit LED models use high brightness LEDs to provide superior panel illumination for both red and green models.

ELECTRONICS

AC Only

120/277 VAC dual voltage input with surge protection.

Self-Powered

120/277 VAC dual voltage input with surge-protected, solid-state charging circuitry provides for a reliable charging system. The charging system is furnished with low voltage disconnect, AC lockout, brownout protection, AC indicator lamp and test switch.

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 AC lockout feature prevents battery drain prior to the initial energizing of utility power, and allows the installer to complete all wiring and electrical connections without energizing the emergency circuit.

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 utilizes a constant current charger. Battery recharge time after full discharge is less than the required UL 924 standard.

Line sensitive electronics cause an instantaneous transfer to battery power if utility power is lost, 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 housing.

BATTERY

Supplied standard with a maintenance free, sealed nickel cadmium battery. Battery is equipped with a quick connect plug for easy installation.

The Symmetry Series Edge-Lit Exit will provide a full 90 minutes of illumination at full output.

Suggested operating temperature range of 20°F (-7°C) to 95°F (35°C).

Battery service life at optimum operating temperature (72°F) is estimated at 10 years.

ELECTRICAL SPECIFICATIONS

Input power requirements at 120 VAC

AC Only

Red - 5.16 watts

Green - 4.80 watts

Self-Powered

Red - 8.4 watts

Green - 5.4 watts

CODE COMPLIANCE

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

SUGGESTED SPECIFICATION

Furnish and install Chloride's edge-lit 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. (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.

CHARGER (Self-Powered 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. Three year warranty provided.

BATTERY (Self-Powered Only) - The battery shall be maintenance free, sealed nickel cadmium utilizing sintered plate construction and polypropylene separators for trouble-free operation in ambient temperatures up to 85°F (30°C). Nickel cadmium batteries are supplied with a five year warranty.

ILLUMINATION - The Symmetry Series edge-lit exit signs shall be illuminated by high brightness LEDs. The Symmetry Series exit equipped with red LEDs shall consume 5.16 watts (120 VAC) or 8.4 watts (Self-Powered). The Symmetry Series exit equipped with green LEDs shall consume 4.80 watts (120 VAC) or 5.4 watts (Self-Powered).

HOUSING - The exit sign housing and backbox shall be constructed of UL 94 V-0, 5 VA thermoplastic. The exit shall have the flexibility of surface or recessed mounting in the field, and can be changed depending on the installation application. A clear faceplate shall be standard on single face and double face exits. Exit panels shall also be available with a white or mirrored background. The exit sign housing shall be white or black.



CHLORIDE
SYSTEMS

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