

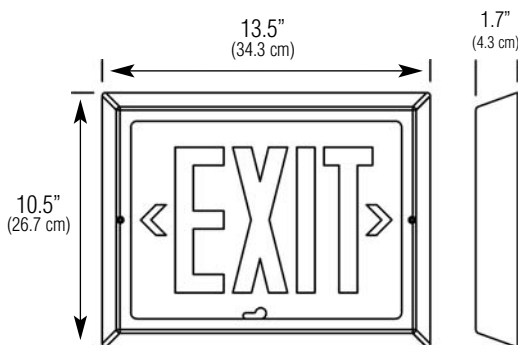
GENERAL DESCRIPTION

The Infinity II series is designed for direct, back-mount installations including low-level, floor proximity applications. A die cast aluminum frame with polycarbonate face plate is provided for increased protection against incidental or intentional abuse allowing the Infinity II to reside in commercial or light industrial designs. The Infinity II series meets the Buy American requirements.

ILLUMINATION

Illumination of the stencil face is accomplished with long-lasting, high output LED's producing an average illumination level in excess of 25 fL (85.7 cd/m²) at the end of the 90-minute emergency run time.

DIMENSIONS (AC only and self-powered models)



Dimensions are approximate and subject to change.

Infinity II Series

**AC Only and Self-Powered
Standard Self-Diagnostics Electronics*
LED Illumination
Surface Mount, Single Face**

HOUSING

Durable powder coated cast aluminum housing offers an extremely low profile finish when installed and is fully compliant to ADA requirements. The 20 gauge steel back plate mounts directly to the wall surface via keyhole slots. All electronics are contained within the housing eliminating the need to recess components into the wall. Tamperproof hardware and bit are supplied standard.

ELECTRONICS

AC Only - 120/277 VAC dual voltage input with surge protection is standard on all models.

Emergency Operation - Charging system is microprocessor driven with software embedded diagnostic routine and temperature compensation. See specification sheet C1465 for electronics details. 120/277 VAC input, surge protection, brownout, AC lockout and low voltage disconnect features are standard.

INTELLI-CHARGE SELF-TESTING DIAGNOSTICS (OPTIONAL)

The Intelli-Charge diagnostic/charging platform with self-testing mode automatically runs a one-minute self-test every 30 days and a 30-minute test on the sixth and twelfth month. A one-minute or 90-minute test may be initiated via the push to test switch on the unit or by activating the appropriate test command on the optional IR test device.

BATTERY

Maintenance-free, sealed nickel metal hydride battery designed to exceed the minimum 90-minute run requirement with an estimated service life of 10 years. All models are standard location listed for use in temperatures ranging from 65° F (18° C) to 85° F (29° C).



SHOWN: LACWWRIC

CODE COMPLIANCE

UL 924 listed
NEMA Premium certified
NFPA 101, NEC, BOCA, OSHA and IBC illumination standards

ELECTRICAL SPECIFICATIONS

AC Only Red

120 VAC, 0.035 A, PF = 0.95
277 VAC, 0.015 A, PF = 0.95

AC Only Green

120 VAC, 0.034 A, PF = 0.97
277 VAC, 0.015 A, PF = 0.97

Self-Powered Red

120 VAC, 0.040 A, PF = 0.90
277 VAC, 0.018 A, PF = 0.90

Self-Powered Green

120 VAC, 0.042 A, PF = 0.90
277 VAC, 0.018 A, PF = 0.90

WARRANTY

Five year full electronics warranty
Five year full plus five year prorated battery warranty

*Self-powered models incorporate the Intelli-Charge diagnostics electronics package. Self-testing is a factory installed option.

ORDERING INFORMATION (EXAMPLE: LACWWRIC)

SERIES	FRAME COLOR	STENCIL/LETTER COLOR	MODEL DESIGNATOR	FACTORY INSTALLED OPTIONS ¹
LAC = AC Only LSPN = Self-Powered NiCad Battery	B = Black W = White	R = Brushed Aluminum w/ Red Letters G = Brushed Aluminum w/ Green Letters WR = White w/ Red Letters WG = White w/ Green Letters BR = Black w/ Red Letters BG = Black w/ Green Letters	IC = Intelli-Charge Diagnostics	2CKT1 = 120 VAC Two Circuit (AC only models) 2CKT2 = 277 VAC Two Circuit (AC only models) BF = Buzzer/Flasher (self-powered models only) BZ = Buzzer (self-powered models only) DC = 12-48 VDC Input (AC only models) EX = Special Input Transformer ¹ (specify voltage & frequency) FA = 24 VDC Fire Alarm Interface FL = Emergency Flasher (self-powered models only) T = Self-Testing Diagnostics (non-audible, self-powered models only) TA = Audible Self-Testing Diagnostics (self-powered models only)

ACCESSORIES (order as a separate line item)

ICIR = Intelli-Charge Infra-Red Remote
T15TPTOOL = Tamperproof Screwdriver

NOTES:

1) Some option combinations may impact UL listing. Consult factory for specifics.

Specification Data for Infinity II Series Institutional LED Exit

HOUSING

Durable powder coated cast aluminum housing offers an extremely low profile finish when installed and is fully compliant to ADA requirements. The 20 gauge steel back plate mounts directly to the wall surface via keyhole slots. All electronics are contained within the housing eliminating the need to recess components into the wall.

ELECTRONICS

AC Only and Self-Powered

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

Self-Powered

A dual function indicator light is located on the face of the unit to signify that AC utility is present, as well as indicating the charge status.

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 drops below 85% of nominal.

BATTERY

Maintenance-free, sealed nickel metal hydride battery designed to exceed the minimum 90-minute run requirement with an estimated service life of 10 years.

All models are standard location listed for use in temperatures ranging from 65° F (18° C) to 85° F (29° C).

Illumination of the stencil face is accomplished with long-lasting, high output LED's producing an average illumination level in excess of 25 fl (85.7 cd/m²) at the end of the 90-minute emergency run time.

ELECTRICAL SPECIFICATIONS

AC Only Red

120 VAC, 0.035 A, PF = 0.95

277 VAC, 0.015 A, PF = 0.95

AC Only Green

120 VAC, 0.034 A, PF = 0.97

277 VAC, 0.015 A, PF = 0.97

Self-Powered Red

120 VAC, 0.040 A, PF = 0.90

277 VAC, 0.018 A, PF = 0.90

Self-Powered Green

120 VAC, 0.042 A, PF = 0.90

277 VAC, 0.018 A, PF = 0.90

CODE COMPLIANCE

The Infinity II 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 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. (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.

ELECTRONICS AC-Only Models - The exit sign shall be easily field connected to 120 or 277 VAC, 60 Hz un-switched power source. The exit sign equipped with red LED's shall consume 0.035 A with a power factor of 0.95 (120 VAC) and 0.015 A with a power factor of 0.95 (277 VAC). The exit sign equipped with green LED's shall consume 0.034 A with a power factor of 0.97 (120 VAC) and 0.015 A with a power factor of 0.97 (277 VAC). Available, factory-installed options shall include a two-circuit module to accommodate 120/120 or 277/277 VAC for use with a generator or central inverter system; a fire alarm activated flasher option to accommodate an input from a fire alarm panel and provide a flashing rate when the alarm system is activated.

Self-Powered Models - All self-powered models shall be provided with Chloride's Intelli-Charge diagnostics electronics platform. The exit sign shall be easily field connected to 120 or 277 VAC, 60 Hz un-switched power source. Intelli-Charge will detect and notify the installer regarding incorrect wiring of the transformer primary and restrict the damaging effects from affecting the printed circuit board. The Infinity II Series exit sign equipped with red LED's shall consume 0.040 A with a power factor of 0.90 (120 VAC) and 0.018 A with a power factor of 0.90 (277 VAC). The Infinity II Series exit sign equipped with green LED's shall consume 0.042 A with a power factor of 0.90 (120 VAC) and 0.018 A with a power factor of 0.90 (277 VAC). The Intelli-Charge electronics package shall provide continuous, real-time monitoring of all the critical equipment functions including, but not limited to: line voltage status and condition, charger fault, transfer fault, battery fault, and LED load fault and notify personnel with a visual indicator sequence. Optional audible diagnostics as well as self-testing diagnostics shall be available from the factory. The self-testing option shall satisfy the periodic testing requirements in NFPA 101, Life Safety Code as well as the International Building Code (IBC). The Intelli-Charge circuit shall continuously sample ambient temperature conditions and adjust the charging regime to compensate for typical and dramatic ambient conditions to maximize the life of the battery. An on-board IR receiver shall be standard and pre-programmed to operate from an optional IR user interface device (available as an accessory item).

BATTERY (Self-Powered Only) - The battery shall be maintenance free, sealed nickel metal hydride for trouble-free operation in ambient temperatures up to 85°F (29°C). Nickel metal hydride batteries shall be supplied with a five year warranty.

ILLUMINATION - Illumination of the stencil face is accomplished with long-lasting, high output LED's producing an average illumination level in excess of 25 fl (85.7 cd/m²) at the end of the 90-minute emergency run time.

HOUSING - The exit sign frame shall be constructed of a durable powder coated cast aluminum housing offers an extremely low profile finish when installed and is fully compliant to ADA requirements. The 20 gauge steel back plate mounts directly to the wall surface via keyhole slots.



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SYSTEMS

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