

GENERAL DESCRIPTION

Chloride's CAD Series die cast exit sign combines traditional styling with reliable electronic technology ensuring the readiness of your emergency lighting. The CAD Series employs sealed, maintenance-free nickel cadmium batteries for emergency power.

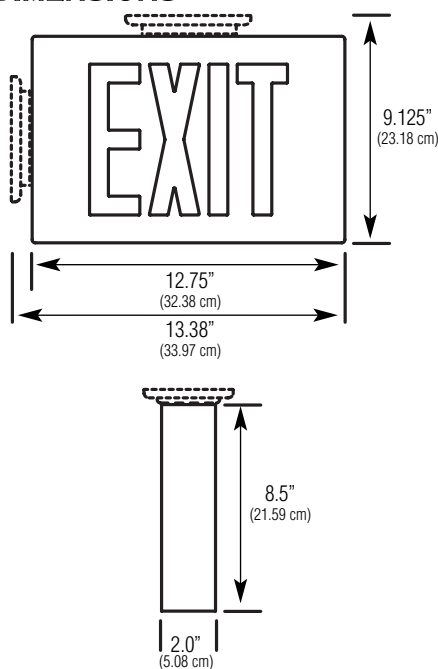
ILLUMINATION

Illumination of the stencil face is accomplished with long-lasting, high output Light Emitting Diodes (LEDs). Hot spots and striations are eliminated by the internal "light chamber" allowing for even illumination in normal and emergency situations.

INSTALLATION

CAD Series supplied standard with two faces, back plate, and canopy to easily facilitate back wall mount, ceiling and end mount. NFPA approved directional chevron knockouts are supplied on the faces. A universal knockout pattern is supplied on the back plate to accommodate back wall mount applications.

DIMENSIONS



Dimensions are approximate and subject to change.

CAD Series Die Cast Aluminum Exits

Self-Testing Diagnostics (Optional)

LED Illumination

Nickel Cadmium Battery

HOUSING

Rugged die cast aluminum housing, backplate, faces and canopy.

Exits are painted with a durable powder coat and available in a black frame with brushed aluminum stencil face, black frame with black stencil face, or white frame with white stencil face.

ELECTRONICS

120/277 VAC, 60 Hz, dual voltage input. Solid state circuitry is surge-protected and provides for a reliable charging system. Standard features include low voltage disconnect, labor saving AC lockout, brownout protection and instantaneous transfer.

Self-Testing Diagnostics (Optional)

The diagnostics routine is activated upon the presence of AC power to ensure proper installation and initialization. Continuous monitoring of the systems critical components include: battery disconnect/failure, charger failure, LED failure, AC line voltage monitoring and transfer circuit failure.

Fault/service monitoring is accomplished via a dual color LED on the outside of the unit so there is no need to open the fixture if trouble shooting is needed. The self-test routine satisfies the exception clause for periodic testing requirements of NFPA 101 and automatically tests the unit for one minute every thirty days and 90 minutes annually.

BATTERY

Maintenance free, sealed nickel cadmium battery supplies a minimum of 90 minutes of power in the emergency mode.

Estimated service life of 10 years.



SHOWN: CADNURWAD

CODE COMPLIANCE

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

ELECTRICAL SPECIFICATIONS

AC Only

Red = 0.026A (120 VAC), 0.012A (277 VAC)
Green = 0.026A (120 VAC), 0.012A (277 VAC)

Self-Powered

Red = 0.033A (120 VAC), 0.017A (277 VAC)
Green = 0.033A (120 VAC), 0.017A (277 VAC)

WARRANTY

Five year full warranty

ORDERING INFORMATION (EXAMPLE: CADNURWAD)

CAD		U			
SERIES	BATTERY TYPE	STENCIL FACES	LETTER COLOR	STENCIL FACE/ HOUSING COLOR	FACTORY INSTALLED OPTIONS
CAD = Die Cast Aluminum Exit	Blank = AC Only N = Nickel Cadmium	U = Universal 2 faces, backplate and canopy	R = Red G = Green	A = Natural Brushed Aluminum Face w/ Black Housing B = Black Stencil Face w/ Black Housing W = White Stencil Face w/ White Housing	AD = Self-Testing Diagnostics ¹
ACCESSORIES (order as a separate line item) PKIT12W ² = Pendant Kit, 12" white finish PKIT12B ² = Pendant Kit, 12" black finish					

NOTES:

- AD available on nickel cadmium models only and only as universal
- Custom pendant lengths and colors available, consult factory.

Specification Data for CAD Series Die Cast Aluminum LED Exit

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.

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. Five 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. Nickel cadmium batteries are supplied with a five year warranty.

ILLUMINATION - The CAD 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 normal or emergency mode. The AC Only version equipped with red LEDs shall consume 0.026A (120 VAC) or 0.012A (277 VAC). The AC Only version equipped with green LEDs shall consume 0.026A (120 VAC) or 0.012A (277 VAC). The Self-Powered version equipped with red LEDs shall consume 0.033A (120 VAC) or 0.017A (277 VAC). The Self-Powered version equipped with green LEDs shall consume 0.033A (120 VAC) or 0.017A (277 VAC).

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.

SELF-TESTING DIAGNOSTICS (Optional) - The CAD Series shall have self-testing diagnostics as an option. The self-testing routine shall initialize a 1 minute test every 30 days. Bi-color LED lamps will indicate the status of the LED, battery, and charger and provide visual alarms if a fault is detected.



CHLORIDE
SYSTEMS

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