CH900X Series

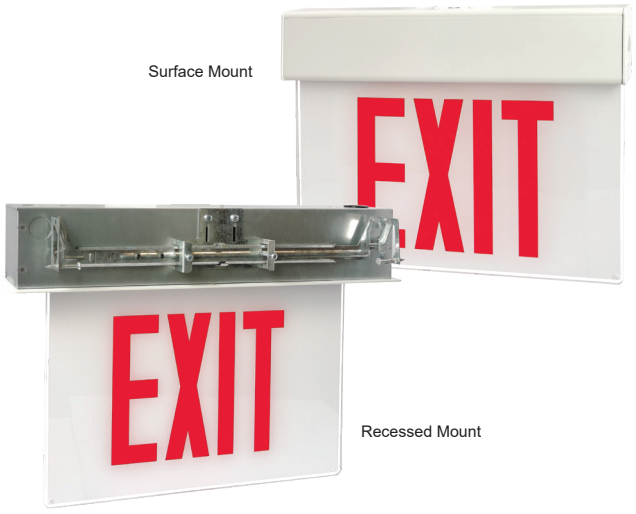
City of Chicago Edge-lit LED Exit

Model: _____ Date: _____

Accessories: _____

Job Name: _____ Type: _____

The CH900X Series LED edge-lit exit is City of Chicago approved and offered in surface or recessed mount configurations. The CH900X is available as AC-only or self-powered models featuring a Lithium Ion class battery that operates for a minimum of 90 minutes during a power outage. The recessed fixture is constructed with an extruded aluminum trim plate with a 20-gauge steel housing. The surface mount version utilizes an extruded aluminum housing and includes a steel canopy. Both versions are UL 924 compliant and come standard with a single-face, acrylic EXIT panel. A full range of alternative, field-installable, single- or double-face acrylic panels are available as accessories.

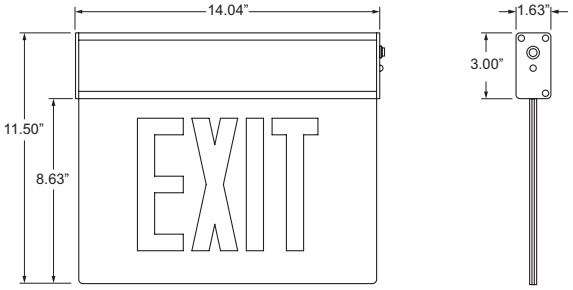


FEATURES AND BENEFITS

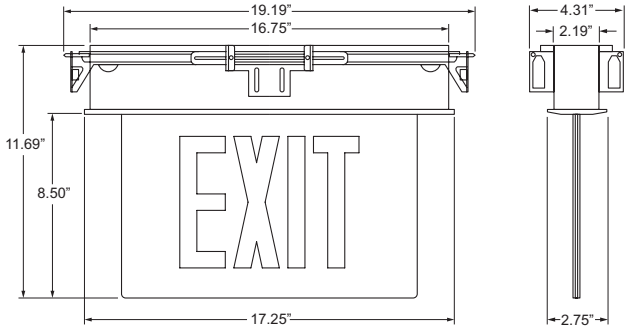
- Suitable for City of Chicago Emergency EXIT requirements
- Exit illuminated with high-output, long-life white LEDs
- Universal input voltage from 120VAC to 277VAC, 50/60Hz
- Recessed or surface mount

SPECIFICATIONS

Illumination:	Long-life, high-intensity, white LEDs
Construction:	Surface mount: Extruded aluminum housing (steel canopy included) Recessed mount: 20 Gauge steel housing with a white powder coated finish on an extruded aluminum trim plate (galvanized steel hanger bar assembly included)
Input:	Universal input, 120 to 277VAC, 50/60Hz
Battery:	Maintenance-free LiFePO4 battery
Run Time:	UL Listed 90 minute emergency run time, 24 hour recharge time
Electrical:	Low voltage disconnect eliminates deep discharge, brownout protection, overload and short circuit protection
Legend:	Fully illuminated red 6” characters with 3/4” stroke; ships standard with single-face CH900X-PANEL-3 (EXIT with no arrows)
Mounting:	CH900X-S can be ceiling, end or wall mounted (canopy included) as well as pendant (by others) mounted; CH900X-R can be recessed mounted into ceiling or wall.
Finishes:	White
Certifications:	UL 924 Listed, meets or exceeds City of Chicago, NEC requirements and NFPA 101
Warranty:	Any component that fails due to a manufacturing defect is guaranteed for five years, with a five year prorated warranty on the battery. The warranty does not cover physical damage, abuse or instances of uncontrollable natural forces. See the full Exitronix warranty document for detailed information. (Terms and conditions apply)



Surface Mount



Recessed Mount

ORDERING INFORMATION **Example:** CH900X-S-WB-WH

Series	Mounting	Power Source	Finish	Single-face Panel Accessories[2,3,5]	Double-face Panel Accessories[2,4,5]
CH900X[1]	S = Surface	LB = AC Only	WH = White	CH900X-PANEL-3 = Exit (Included)	CH900X-PANEL-18 = Exit
	R = Recessed	WB = With Battery		CH900X-PANEL-6 = Exit ►	CH900X-PANEL-21 = Exit ◄ or ►
				CH900X-PANEL-9 = Exit ◄	CH900X-PANEL-24 = Exit ◄ ►
				CH900X-PANEL-12 = Exit ◄ ►	CH900X-PANEL-17 = Stairs
				CH900X-PANEL-2 = Stairs	CH900X-PANEL-20 = Stairs ◄ or ►
Notes				CH900X-PANEL-5 = Stairs ►	CH900X-PANEL-23 = Stairs ◄ ►
[1] Come standard with single-face EXIT Panel-3 (no arrows)				CH900X-PANEL-8 = Stairs ◄	
[2] All panels supplied with red letters on a white background				CH900X-PANEL-11 = Stairs ◄ ►	
[3] One faceplate only					
[4] Two faceplates				**Mounting Accessories[5]** (Field Installed)	
[5] Order as separate line item				S900-PENDANT-ADAPTER = Pendant Adapter	

CONSTRUCTION
The CH900X-S (surface mount version) utilizes an extruded aluminum housing and an included steel canopy. The CH900X-R (recessed mount version) utilizes a 20 Gauge steel housing supplied with a galvanized steel adjustable hanger bar assembly. An extruded aluminum trim plate is included on the recessed mount version. Both versions are supplied standard with a white powder coat finish on viewable surfaces.

Panels
Constructed of clear, impact and scratch-resistant, optical-grade acrylic panels with white background and red silk-screened lettering. Stencil letters are 6” high with 3/4” stroke as required by UL 924 standard.

ILLUMINATION
High-intensity white LEDs provide superior brightness with energy consumption of less than 5W. LEDs are a maintenance-free lighting solution with an estimated life of up to 100,000 hours.

ELECTRICAL
Input
Universal input voltage 120 to 277VAC @ 50/60Hz. Overload and short circuit protection included.

LiFePO4 Battery
Maintenance-free, long-life, rechargeable LiFePO4 batteries. Fully automatic, solid-state charger initiates battery charging to recharge a discharged battery within 24 hours. The internal solid-state transfer switch automatically connects the internal battery to power the LED board for a minimum of 90 minutes of illumination during the loss of utility power. An LED indicator light alerts occupant on battery condition (Steady-normal, Blinking-check battery).

Emergency
The CH900X Series exit will operate for a minimum of 90 minutes during a loss of power with a 24 hour maximum recharge time for the battery.

Brownout Circuit
Brownout circuit monitors the line voltage. As the line voltage sags and can no longer illuminate the exit sign to meet UL 924 visibility test, the emergency circuit will turn on to supply a portion or all the power to illuminate the sign for 90 minutes until the line voltage is restored.

Low Voltage Disconnect
Low Voltage Disconnect (LVD) measures the battery terminal voltage. The LVD continuously monitors the battery terminal voltage and if it should fall below a preset voltage threshold, the LVD will disconnect the load. When the battery is recharging and voltage is raised above another preset voltage threshold, the load is automatically reconnected.

Test Button
The test button is easy to locate and provides manual verification of the transfer circuit and emergency lamps.

INSTALLATION
Installs in minutes with easy-to-read instructions and detailed diagrams. A steel canopy is provided for wall, ceiling or end mounting for surface mount versions. The surface mount version also includes knockouts on top for pendant mounting. The recessed version can be ceiling or wall mounted. No special hardware or tools necessary. Internally housed components and battery.

CONFORMANCE TO CODES & STANDARDS
The CH900X Series is UL 924 Listed and meets or exceeds the following: City of Chicago Fire Code, NEC requirements and NFPA 101.

PENDANT ADAPTER

