C A PM I LS

EXP Series
Hazardous Location

Battery Units
Self-Powered Exit Signs
Combination Units

CSA certified for use in hazardous locations

The **EXP Series** of battery equipment is designed to cover emergency lighting applications for the **entire spectrum** of hazardous locations, where inflammable gases, vapors, liquids, dust particles or fabrics tissues are permanently present or are likely to exist. .

The **EXP Series** combines in one simple-to-order catalogue family three traditional emergency lighting products with battery back-up: battery units with emergency lights, self-powered exit signs, and combination units with emergency lights and exit sign. The equipment is also available with additional emergency power capacity to drive remote heads and exit signs..

Features

- CSA Certified for use in hazardous locations:
  - Class I, Divisions 1 and 2, Groups A, B, C, D
  - Class II, Divisions 1 and 2, Groups E, F, G
  - Class III, Divisions 1 and 2
- Die-cast aluminum body with grey epoxy powder coat finish; clear, impact and heat resistant prismatic glass globe
- Long-life, maintenance-free lead-calcium battery
- Battery charger is current limited, temperature compensated, short-circuit proof and reverse polarity protected
- Emergency heads with one or twin lamp design
- Self-powered exit (combo) includes a transfer circuit to drive four LED-based exit signs
- Exit sign uses a LED lamp with **ALINGAP** technology
- Exit sign is CSA certified, meets or exceeds C860-01 and NRCAN/C860-01 requirements
- The self-powered version is also CSA C22.2 No. 141 certified
- New, easy-to-build catalogue number based on the Emergi-lite Severity Codes
- Also available as remote exit signs and remote fixtures; refer to the LPEX-XP and EFXPR catalogue sheets

C860

EMERGI-LITE

Project/Location:		Date:	
Contractor:		Prepared by:	

EXP Series

C A PM I LS

Typical Specification

Supply and install the Emergi-lite **EXP Series** of hazardous locations battery equipment. The battery unit housing will be constructed of die cast aluminum with grey epoxy powder coat finish. The equipment shall be rated for 120, 277 or 347 volts, 60 Hz input and be CSA listed. The equipment shall have an output of _____ volts and _____ watts and shall supply the rated load for a minimum of a 1/2 hour to 87,5% of the rated battery voltage. The battery shall be a long-life, maintenance-free lead-calcium type. The charger shall be fully computer tested and have its charge voltage set in the factory to ± 1% tolerance. The charger shall be current limited, temperature compensated, short-circuit proof and reverse polarity protected. The charger shall be furnished with an electronic lockout circuit, which will connect the battery when the AC circuit is activated, and an electronic brownout circuit, which will activate the emergency heads when the utility power dips below 75% of nominal voltage.

Where required the equipment shall come complete with _____ heads, each of them equipped with _____ lamp(s) of _____ watts. The head housing shall be die-cast aluminum with grey epoxy powder coat finish. The lenses shall be a clear, impact and heat resistant prismatic glass globe. The head shall be factory sealed, with no need for external seals.

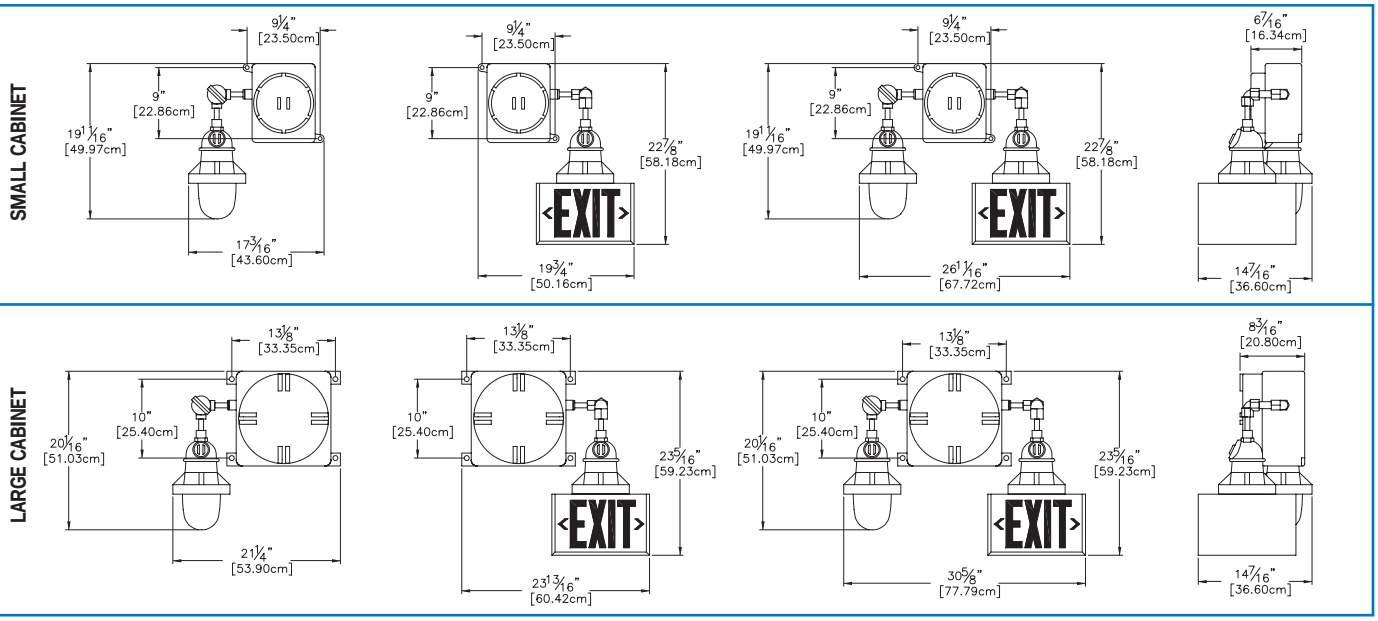
Where required the equipment shall come complete with one exit sign and will include a transfer circuit to maintain the exit sign permanently lighting in both normal and emergency operation. The exit housing shall be industrial grade 14-gauge steel and finished in grey enamel. The faceplate will be constructed of heavy-duty 14-gauge steel and feature universal knockout chevrons and the red letters shall not be less than 6" (150 mm) in height with a 1/2" (19 mm) stroke. The sign shall include a LED lamp with **ALINGAP** LEDs and shall consume less than 5 watts in either AC or battery mode. The exit sign shall be C860 and NRCAN/C860-01 approved.

The equipment shall be suitable for Class _____ Division _____ Group _____.

The exit sign shall be CSA-C860 and NRCAN/C860-01 approved.

The equipment shall be the Emergi-lite Model - _____ _____.

Dimensions



Before ordering, identify the environment of your application: Class_, Division_, Group_.
Refer to the following chart for the Severity Code to use in your catalogue number:

Environment	Severity Code
Cl. I, Div. 1, Gr. A, B	S1
Cl. I, Div. 1, Gr. C, D	S2
Cl. I, Div. 2, Gr. A, B, C, D	S3
Cl. II, Div. 1 & 2, Gr. E, F, G Cl. III, Div. 1 & 2	S4

Ordering Information

D.C. Voltage	Series	Capacity/ Cabinet Size	A.C. Voltage	Options	Emergency Head Style	Severity Code	Lamps
06= 6 volts	**EXP**	**36**= 36 watts [S]*	**Blank**= 120Vac	**Blank**= no options	**Blank**= no head	**S1**= see chart	**12**= halogen, 6V, 12V - 12 watts, quartz bi-pin
		72= 72 watts [S]*	**-2**= 277Vac input	**D**= time delay	**/11**= single remote, 1 lamp	**S2**= see chart	**20**= halogen, 12V, 24V - 20 watts, quartz bi-pin
		108= 108 watts [L]*	**-3**= 347Vac input	**E1**= single face exit sign, C860, LED	**/12**= single remote, 2 lamps	**S3**= see chart	**Note**: for other lamp options,
12= 12 volts		**72**= 72 watts [S]*			**/21**= double remote, 1 lamp each	**S4**= see chart	please contact factory.
		144= 144 watts [L]*		**E2**= double face exit sign, C860, LED			
		200= 200 watts [L]*					
24= 24 volts		**144**= 144 watts [L]*		**TS**= transfer switch			
		288= 288 watts [L]*					

EXAMPLE: 06EXP36E1/21S312 * Cabinet size is not part of the ordering information.

Note: For the certification guide and temperature codes, please refer to both pages from the LPEX-XP Series of exit signs and the **EFXPR Series** of remote lighting fixtures or consult factory.

Thomas&Betts

EMERGI-LITE

Printed in Canada. 11/05/2000. Order no. EL/EXP-E2