



X402 AC-ONLY, AC/DC & SELF-POWERED EXIT SIGN & COMBINATION UNITS

Class I, Division 1 & 2, Groups C and D
Class II, Division 1 & 2, Groups E, F and G

FEATURES

Construction

- EXP Housing: Hazardous Location, heavy gauge copper-free case aluminum
- Spin-off gasketed cover prevents propagation of internally generated arcs
- Stainless steel vent/drain
- Circuit board: silicone conformal coated
- Sealed test switch
- X402 Exit and Lamp Head fixture: heavy cast aluminum with pyrex lens
- Exit Faceplate: heavy-duty 20 gauge steel, baked enamel grey finish
- 6 inch EXIT lettering legend, available in Red or Green

Mounting

- X402 AC-Only, AC/DC Exit Head, Surface Mount, ceiling, wall or pendant
- EXP Self-Powered Exit Sign Surface Wall Mount Only
- EXP Combination Unit Surface Wall Mount Only
- Self-Powered and Combination Housing includes (4) mounting lugs on each corner and 3/4 inch NPT conduit knock-outs entry on top and bottom of housing
- X402 & EXP single face model includes (1) faceplate
- X402 Double face model includes (2) faceplates

Finishes

- Finished in industrial gray

Chevrons

- Faceplate includes two field-selectable, knock-out chevron indicators

Approvals

- Manufactured in accordance with UL844, UL1203, and UL924
- Rated for operation in Class I, Division 1 & 2, Groups C and D
- Rated for operation in Class II, Division 1 & 2, Groups E, F and G
- Complies with NEC, OSHA and NEMA for above Classes and Groups

Warranty

- Three-Year full warranty (subject to proper installation and maintenance)

For Desired Model

- AC-Only Exit: Order X402 Exit Sign to be powered by a separate AC power source during emergency operation
- AC/DC Exit: Order X402 Exit Sign and a Transfer Switch Panel thus allowing for emergency operation to be supplied by a separate remote DC source
- Self-Powered Exit: Order EXP6N or EXP12N with attached X402 Exit Sign
- Combination Units: Order EXP6N or EXP12N, a E402 Light Head, and X402 Exit Sign

Transfer Circuit

(needed to be ordered separately with AC/DC Exit Signs)

- A TS panel is required for AC/DC Hazardous Location X402 Exit Signs that are under constant operation as required by code. TS panels are not designed to be installed/mounted in a hazardous or explosive area. TS panels are to be mounted remotely from these areas types.
- TS panel available for up to 6V= 50W, 12V= 100W, 24V= 100W

To Order a TS Panel the following information is required:

- 1) AC Input. 120V and other voltages are available
- 2) DC voltage.
- 3) The total wattage load of all X402 lamp(s) to be supplied by TS Panel

Electrical Specifications for the TS Panel

Input AC voltage; 120V, 60Hz, 1 phase (other voltages available)
Input DC voltage; 6, 12 or 24V (must select which applies)
Input DC voltage must be identical to DC output voltage
Wattage: TS Panel oversized 10-20% greater than total connected load.



Matching Hazardous Location Family Battery Units

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SPECIFICATIONS

Supply and Install **Lightalarms® X402, EXP6N, EXP12N** Hazardous Location Exit Sign & Combination Series.

X402 AC-Only or AC/DC Exit Sign, housing shall be specified mounting (C) ceiling, (W) wall or (P) pendant, with single face including (1) faceplate, and (1) backplate, double face including (2) faceplates. Self-Powered Exit Sign housing is wall mount and single face only. Combination unit housing is wall mount and single face only plus (1) lamp head. Self-Powered and combination units use sealed Nickel-Cadmium batteries

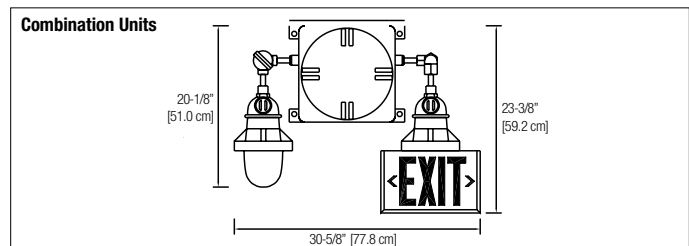
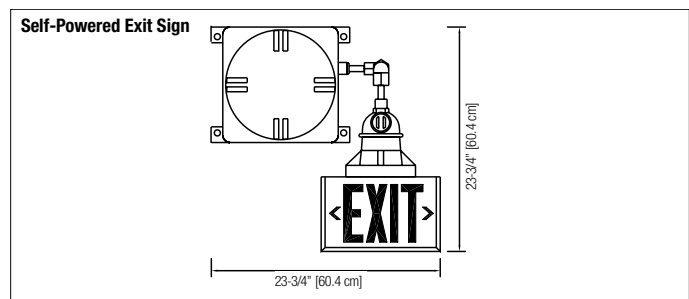
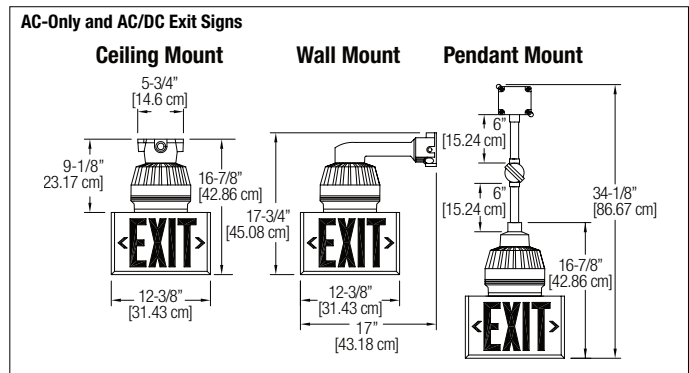
EXP housing: shall be Hazardous Location, corrosion resistant, one-piece heavy gauge copper-free case aluminum, with spin-off gasketed cover prevents propagation of internally generated arcs into the hazardous atmosphere, stainless steel vent/drain and circuit board silicone conformal coated to protect against humidity. The Exit and Lamp Head fixture shall be heavy cast aluminum with pyrex lens. All shall be industrial gray color finish.

Exit faceplate include two removable knockout chevron indicators and choice of (R) red or (G) green, legend with 6" by 3/4" stroke letters.

The Exit Sign or combination unit shall be **Lightalarms® Model** _____.

DIMENSIONS

Dimensions are approximate and subject to change.



TYPE _____

CATALOG # _____

NOTES _____

Designed to allow the safe operation of Exit Sign and Combination Unit batteries in a Class I, Division 1&2, Groups C&D, and a Class II, Division 1&2, Groups E, F & G explosive environments



Combination Unit

E402 LIGHT HEAD (ONLY), LAMP SECTION CHART

LAMP TYPE	VOLTAGE	LAMP WATTAGE	LAMP TYPE #	LAMP SUFFIX	REPLACEMENT LAMP PART #
High Intensity Tungsten (HIT)	6V	9W	135	L9	570.0010
	6V	18W	1130	L18	570.0037
	12V	9W	138	L9	570.0011
	12V	18W	139	L18	570.0030
Bi-PIN Halogen	6V	6W	784	LH4	580.0012
	6V	8W	785	LH5	580.0013
	6V	10W	787	LH7	580.0017
	6V	12W	786	LH6	580.0011
	12V	8W	774	LH8	580.0014
	12V	12W	783	LH3	580.0015

UNIT CAPACITY CHART

VOLTS	SERIES	WATTS TO 87.5% OF RATED BATTERY VOLTAGE*				
		1 1/2 hrs.	2 hrs.	3 hrs.	4 hrs.	8 hrs.
6	EXP6N18	18	12	-	-	-
	EXP6N25	25	18	9	9	-
	EXP6N36	36	21	12	12	6
	EXP6N50	50	36	18	18	10
12	EXP12N36	36	21	12	12	6
	EXP12N50	50	36	18	18	10
	EXP12N72	72	42	24	24	12

*National Electrical Code Specification

POWER CONSUMPTION CHART

120/277VAC, 60Hz maximum 0.3/0.15A

X402 EXIT SIGN (ONLY), LAMP SELECTION CHART (lamp automatically specified in model number based on voltage of unit)

LAMP TYPE	VOLTAGE	LAMP WATTAGE	LAMP TYPE	AVERAGE LIFE (HOURS)	LAMP SUFFIX	REPLACEMENT LAMP PART #
Quartz Bi-Pin	6V	15W	JC-6V15W	2000	6	580.0086
	12V		25A-12	1000	12	570.0071
Medium Base	24V	25W	143A	1000	24	570.0118
	120V		A19	2500	120	570.0136

ORDERING FORMAT

AC-Only or AC/DC Exit Sign					
Faces	Series	Mounting	Lamp	Legend color	
1= Single Face 2= Double Face	X402	C = Ceiling W = Wall P = Pendant	(L6) = 6V AC/DC, 4.74W max, LED, DCB (L12) = 12V AC/DC, 4.8W max, LED, DCB (L24) = 24V AC/DC, 4.0W max, LED, DCB (L120) = 120V AC/DC, 3.36W max, LED, Med. -6 = 6V -12 = 12V -24 = 24V -120 = 120V	R = Red G = Green	
Transfer Panel (Required for the operation of the X402 AC/DC Exit Sign)					
AC voltage	DC voltage	Series	Watts		
120 = 120V AC 277 = 277V AC	-6 = 6V DC -12 = 12V DC -24 = 24V DC	-TS	-25 = 25W -50 = 50W -75 = 75W -100 = 100W		

EXAMPLE: AC-Only or AC/DC Exit Sign: 1X402C12R, Transfer Panel (needed for AC/DC operation): 12012TS25

ORDERING FORMAT

Self-Powered Exit (Includes a Nickel-Cadmium battery)				
Series	Transfer Panel	Exit Sign	Legend color	
EXP6N25 EXP6N36 EXP6N50 EXP12N36 EXP12N50 EXP12N72	TS	X402 ¹ ¹ EXP6N includes 6V-15W Bi-Pin Halogen lamp ¹ EXP12N includes 12V-25W Bi-Pin Halogen lamp	R = Red G = Green	

EXAMPLE: EXP12N36TS402R

ORDERING FORMAT

Combination Unit (Includes a Nickel-Cadmium battery)					
Series	Light Head	Light Head Lamp	Transfer Panel	Exit Sign	Legend color
EXP6N25 EXP6N36 EXP6N50 EXP12N36 EXP12N50 EXP12N72	E402	Refer to E402 Light Head (only), Lamp Section Chart to specify lamp suffix Based on Model, Choose a lamp up to: EXP6N25 = 6V-10W EXP12N36 = 12V-11W EXP6N36 = 6V-18W EXP12N50 = 12V-25W EXP6N50 = 6V-18W EXP12N72 = 12V-25W	TS	X402 *	R = Red G = Green * EXP6N includes 6V-15W Bi-Pin Halogen lamp * EXP12N includes 12V-25W Bi-Pin Halogen lamp

EXAMPLE: EXP6N36E402LH6TSX402R