

EXC Series

6 and 12 Volt Hazardous Area Emergency Unit

Based on a cabinet and lighting fixtures rated for;
Class I, Div. 1 + 2 (Groups C & D)
Class II, Div. 1 + 2 (Groups E, F, and G)

Sealed Maintenance-Free Battery

- Nickel Cadmium

General Information

The **EXC Series** is a completely self-contained, weather resistant maintenance-free, Nickel Cadmium power system which provides safe and efficient emergency lighting protection in hazardous area locations. Cast copper-free aluminum housing; gasketed cover spins off for easy access to battery and electronics. A variety of fixtures and exit signs are available for mounting either directly to the housing or remotely, which offers complete job flexibility.

Standard Features

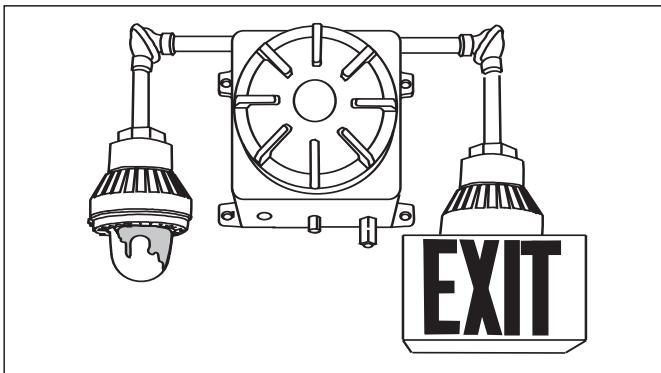
- Manufactured in accordance with UL844, 1203 and 924
- Wide range of sizes: 6 & 12 Vdc; 18-72W
- Corrosion resistant, copper-free, cast aluminum construction
- Waterproof gasketed spinoff cover
- Exit signs operate in both normal and emergency modes
- Silicone conformal coating on circuit board protects electronics against moisture caused by humidity
- UL listed stainless steel vent/drain
- Dual AC input: 120/277 Vac, 60Hz, 0.3/0.15 A
- Capability of mounting up to (3) hazardous area fixtures directly to housing
- Optional clear epoxy finish available for added corrosion protection in harsh environments

Outline and Dimensions

Housing: 12" X 12" X 9 1/2". (4) Mounting Lugs: 10" and 13 1/2" on center

Overall dimensions (including fixtures): 38" X 38" X 10"

Note: Dimensions are approximate and are subject to change.



Fixtures

The EXC Series may be supplied with (1), (2), or (3) hazardous fixtures mounted directly on the power unit and/or remotely as the application dictates. (For remote fixtures, consult hazardous area fixture data sheet).

Lamp Fixtures ('EP' Series) Fully-directional, UL Listed, copper-free cast aluminum construction, swivel-mounted, Pyrex lens, complete with either 9, 18, or 25 watt incandescent lamps (halogen optional). Available with optional guard or reflectors.

Exit Fixtures ('XP' Series) Mounted to the power unit, these exit signs are supplied standard with our unique integral transfer switch (TS) and utilize either a 6 volt 15 watt XX6 lamp or 12 volt-25 watt XX12 lamp. This enables the exit to operate in both the normal AC mode as well as the DC mode. The exit sign consists of an EP fixture coupled with a heavy duty steel, baked enamel finish exit shroud with ample downlight. Supplied standard as a single face sign, red stencil faceplate; double face and green stencil also available. For other legends consult factory.

Electrical

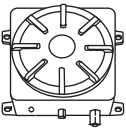
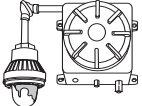
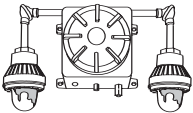
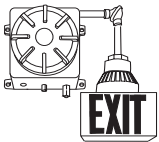
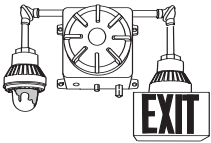
Input Power Requirements: 120/277 Vac, 60 Hz., 0.3/0.15 Amp., 36W,

Output: 6 or 12 Vdc; 18-72W. **Transfer:** Solid state, fused DC output circuit, automatically and

instantaneously energizes lamp load upon failure of AC supply. **Low Voltage Disconnect (LVD):** Automatically disconnects lamp load when battery reaches 87 1/2%

of its nominal voltage. **Battery:** Sealed maintenance-free Hi-Temp Nickel Cadmium Battery, specially suited for resistance to temperature extremes normally associated with this type of application. **Charger:** Solid state, current limited, constant current, short-circuit protected and reverse polarity protected. **Controls:** Combination test switch and pilot light.

Standard Configurations For EXC Series

Unit	Catalog Number	Description
(Remote capability) 	1EXC5-0 1EXC5-TS	12 volt, 50 watt self-contained hazardous area emergency lighting power unit complete with battery and charger. 12 volt, 50 watt self-contained hazardous area emergency lighting power unit complete with battery, charger and transfer switch.
	1EXC5-11G 1EXC5-11G-TS	12 volt, 50 watt, single head unit with 12 volt, 25 watt HIT lamp. 12 volt, 50 watt, single head unit with built-in transfer switch and 12 volt, 25 watt HIT lamp.
	EXC3-2IB EXC5-2IB-TS	6 volt, 36 watt, self-contained hazardous area emergency lighting power units complete with battery and charger. Fixture supplied with one (IB) 18 watt HIT lamp. 6 volt, 50 watt, double head unit with built-in transfer switch and 12 volt, 25 watt HIT lamp.
	EXC2-T1SR	6 volt, 25 watt, self-contained unit with integral low voltage transfer circuit (TS) to operate exit lamp in both normal and emergency modes. Suggested catalog number shown indicates single face exit with red stencil faceplate. For green, substitute G for R. For double face, substitute D for S.
	EXC5-11C-T1SR	6 volt, 50 watt unit. In addition to the exit lamp which operates in both normal and emergency modes, emergency lighting can be achieved with (1) additional emergency lighting head. (Example: IC = 25 watts).

Note: Above units are supplied with appropriate wattage (HIT) High Intensity Tungsten lamps (unless otherwise specified). Alternate wattages lamps or halogen lamps may be substituted as required. Exit provided with 25 watt lamps only.

Optional Features

Description

Time Delay (Specify 5, 10 or 15 minutes).....-D1, D2 or D3
Epoxy FinishCEF

Add Suffix

NOTE: Certain option combinations may affect the listing. Please contact the factory for specifics.

Unit Rating Chart

UNIT EQUIPMENT - WITH REMOTE CAPABILITY						
Sealed Maintenance-Free Battery Types	D.C. Voltage	Model Number	*Watts to 87 1/2% of rated battery voltage			
			1 1/2 hrs.	2 hrs.	4 hrs.	8 hrs.
Nickel Cadmium	6	EXC1	18	12	-	-
	6	EXC2	25	18	9	-
	6	EXC3	36	21	12	6
	6	EXC5	50	36	18	10
	12	1EXC3	36	21	12	6
	12	1EXC5	50	36	18	10
	12	1EXC7	72	42	24	12

*National Electrical Code Specification

How To Order (example)

The EXC Series is available with a wide variety of fixtures, mountings, voltages, etc. To make your selection easier, we have listed the standard configurations in the chart below. When ordering exit fixtures, additional to the basic catalog number, you must specify single or double face and color of faceplate. Insert these suffix letters at the end of model number.

For EXC units without exit fixture order Series, Watts, Heads and Lamp

1EXC 7 2IE - T1
Series Wattage No. of No. S-Single Face R-Red Options
6V units= (72W) Fixtures Exit D-Double Face G-Green
EXC (Lamp Type) Fixtures
12V units=
1EXC Includes Standard Lamp.

Exits are added to units by listing Exits, Face and Color

***S **R - D1**
S-Single Face R-Red Options
D-Double Face G-Green

*S=Single Face D=Double Face
**R= Red Faceplate G=Green Faceplate

Accessories

Guard



GXP

Reflectors

Dome



RD

Angle



RA

Lamp Selection Chart

Lamp Type	Voltage	Watts	Replacement #	Suffix	
High Intensity Tungsten (HIT)	6 V	9 W	135	IA	
	6 V	18 W	136	IB	
	6 V	25 W	137	IC	
	12 V	9 W	138	IE	
	12 V	18 W	139	IF	
	12 V	25 W	140	IG	
	BI-PIN Halogen	6 V	6 W	784	HA
		6 V	8 W	785	HB
6 V		10 W	787	HC	
6 V		12 W	786	HD	
12 V		8 W	774	HF	
12 V		12 W	783	HG	

Note: Units are supplied standard with appropriate wattage (HIT) high intensity tungsten lamps (unless otherwise specified). Alternate wattage lamps or halogen lamps may be substituted as required. For run times other than 90 minutes, refer to Unit Rating Chart Lamp Selection Table.

*Unit Warranty

Entire unit (excluding lamps and fuses) carries a 3-year Full Warranty.

*Battery Warranty

Unit batteries have a 10-year life expectancy and carry a 5-year Full Warranty, plus 5-year pro rata warranty.

*Subject to proper installation and maintenance: