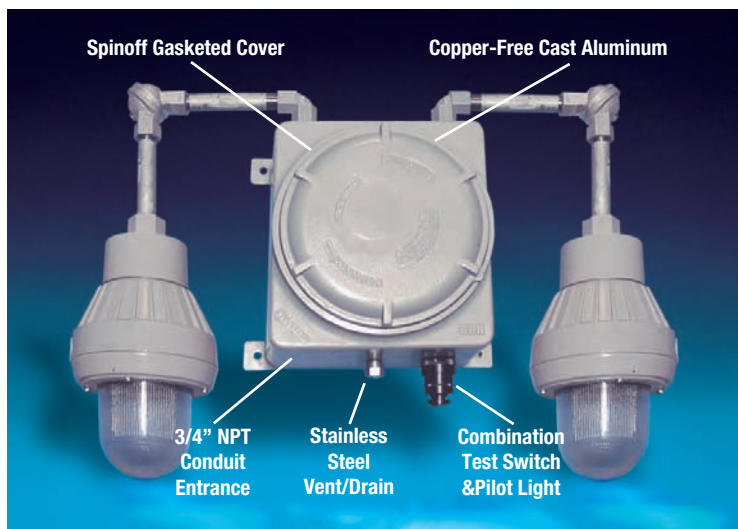


# EXC Series *6 and 12 Volt* Class I Div. 1 & 2 Class II Div. 1 & 2



The **EXC Series** is completely self-contained and weather resistant, maintenance-free Nickel-Cadmium power system which provides safe emergency lighting 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 exits are available for mounting either directly to the housing or remotely which offers complete job flexibility.

## Applications

Meet the requirements of hazardous locations:  
Class I Division 1 & 2 (Groups C & D)  
Class II Division 1 & 2 (Groups E, F & G)

## Sealed Maintenance-Free Batteries

- Nickel-Cadmium

## Standard Features

### Reliability

The **EXC Series** comes complete with a 3-year full warranty, (excluding lamps, pilot lights and fuses).

### Unit Data

**EXC Series** has corrosion resistant, copper-free cast aluminum construction. A weatherproof gasketed spinoff cover, UL listed stainless steel vent/drain and silicone conformal coating on circuit board to protect electronics against humidity. Unit has capability of mounting up to 3 hazardous area fixtures direct to housing. Unit comes standard with epoxy finish for added corrosion protection in harsh environments.

### Charger

Charger offers 120/277 Vac, 60 Hz., 0.3/0.15 Amp., 36 watt (other inputs available), fused DC output circuit, AC pilot light supervision, temperature compensation, sealed relay, low voltage battery disconnect, brownout protection, lockout (automatic battery connect), solid state, current limited, constant current short circuit proof and reverse polarity protection.

## Optional Features

### Description

Time delay (specify 5, 10 or 15 minutes) .....-D1, D2 or D3

### Add Suffix

## 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)** See page 48: Fully directional U.L. listed copper-free cast aluminum construction, swivel-mounted, pyrex\* lens, complete with either 9, 18, or 25 watt HIT lamps(halogen optional).

Available with optional guard or reflectors. \*Registered trademark of Corning Glass

**Exit Fixtures (XP Series)** See page 48: 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.

## Unit Rating Chart

UNIT EQUIPMENT - WITH REMOTE CAPABILITY						
Sealed Maintenance-Free Battery Types	D.C. Voltage	Model Number	*Watts to 871/2% 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

## 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.

## 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.

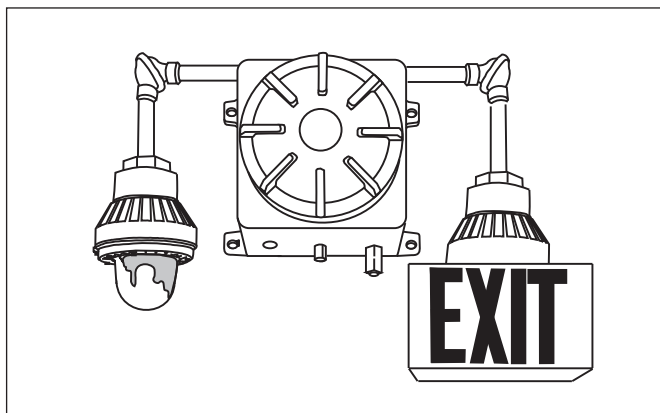
1EXC	7	2IE	- T1	S	R	- D1
Series	Wattage	No. of Fixtures	No. Exit Fixtures	No. of face	Faceplate	Option
EXC = 6V units 1EXC = 12V units	(72W)	(Lamp Type)	on unit	S = Single Face D = Double Face	R = Red G = Green	Time Delay

NOTE: Includes Standard Lamp.

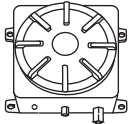
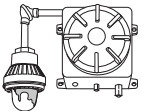
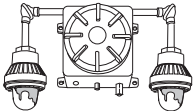
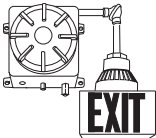
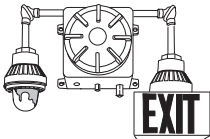
## Outline and Dimensions

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.



## 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.
	1EXC5-1IG  1EXC5-1IG-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.
	EXC5-1IC-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: 1C = 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.