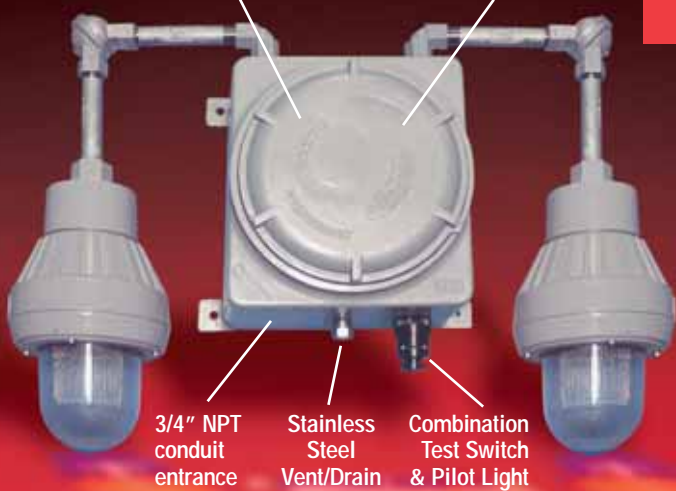




Spin-off gasketed cover Copper-free cast aluminum



3/4" NPT
conduit
entrance Stainless
Steel
Vent/Drain Combination
Test Switch
& Pilot Light

EXP6N, EXP12N Series

**6 or 12 Volt Hazardous Location Emergency Unit
Sealed Maintenance-free Nickel-Cadmium Battery
For operation in Hazardous areas**

Class I, Divisions 1 & 2, Groups C & D

Class II, Divisions 1 & 2, Groups E, F & G

**Lighting Fixture and battery housing comply with
NEC, OSHA and NEMA specifications for all above
Classes and Groups**

The EXP Series explosion proof lighting systems are completely self-contained and designed to allow safe operation of the battery and electronics in the classified areas specified above.

FEATURES

Reliability

The EXP Series has a three-year full warranty (excluding lamps and fuses).

Unit Data

The EXP systems consist of a power unit and any combination of lighting fixture and/or exit sign. The entire system can be located within the hazardous area. Manufactured in accordance with UL 844, 1203 and 924, the EXP systems feature an explosion-proof cabinet and spin-off gasketed cover. Each piece is constructed of one-piece heavy gauge, corrosion resistant, copper-free cast aluminum, to prevent propagation of internally generated arcs into the hazardous atmosphere. A Silicone conformal coating on circuit board helps to protect the electronics against humidity.

The EXP series features a sealed maintenance-free Nickel-Cadmium battery with a long life, minimal gassing and superior resistance to temperature extremes.

Lamp

Series EXP systems are designed so that one or two explosion-proof fixtures can be mounted on the cabinet, in various configurations, i.e., one lamp and one exit fixture, two lamp fixtures, two exit fixtures, etc. Fixtures mounted on the cabinet are ordered as part of the system by catalog number. See "ordering format".

Lightalarms lamp fixtures are heavy cast aluminum with pyrex® lenses. Medium Screw Base are standard, Double Contact Bayonet Base and Halogen lamps are optional. For complete information refer to the Series EPF401 spec sheets. Pyrex® is a registered trademark of Corning Glass.

Lightalarms exit signs are a rectangular, heavy duty steel box with exit lettering on single face (X402) or double face (2X402). Exit signs are for DC or AC operation.

For complete information refer to the X402 Series.

Charger

Completely automatic, the charger will feature a solid state transfer and be capable of recharging the batteries in accordance with UL 924. The charger will provide a high charge rate immediately upon restoration of AC power and a trickle rate to maintain the battery charged. Charger shall be a constant current type.

Controls

Combination momentary test switch and AC-ON pilot light.

Power Requirements

Dual input voltage transformer, 120/277Vac 60Hz, 0.3/0.15 Amp (other voltages available on request)

UNIT SELECTION CHART

| Volts | Model No. (unit/Lamp Suffix) | Input Watts | *Watts to 87-1/2% of Rated Battery Voltage | | | | |
|-------|------------------------------------|----------------|---|--------|--------|--------|--------|
| | | | 1-1/2 Hrs. | 2 Hrs. | 3 Hrs. | 4 Hrs. | 8 Hrs. |
| 6 | EXP6N18 | 18 | 18 | 12 | - | - | - |
| | EXP6N25 | 25 | 25 | 18 | 9 | 9 | - |
| | EXP6N36 | 36 | 36 | 21 | 12 | 12 | 6 |
| | EXP6N50 | 50 | 50 | 36 | 18 | 18 | 10 |
| 12 | EXP12N36 | 36 | 36 | 21 | 12 | 12 | 6 |
| | EXP12N50 | 50 | 50 | 36 | 18 | 18 | 10 |
| | EXP12N72 | 72 | 72 | 42 | 24 | 24 | 12 |

*National Electrical Code Specification

OPTIONS

(Add Suffix to Model No.)

Time Delay.....-TD Suffix

ORDERING FORMAT

Example 1: System with 2 lamp fixtures only

EXP6N36 E402/LH7 2

6V Explosion-Proof Unit Lighting Head with 10W Halogen Lamp Number of Heads Attached to Cabinet

Example 2: System with 1 lamp fixture and 1 exit sign

EXP6N25 E402/LH7 TS X402

6V Explosion-Proof Unit Lighting Head with 10W Halogen Lamp Transfer Switch Single Face Exit

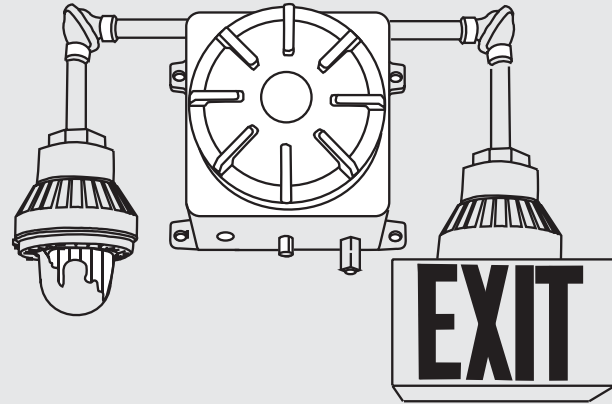
LAMP SELECTION CHART

| Lamp Type | Voltage | Watts | Replacement # | Suffix |
|-------------------------------|---------|-------|---------------|--------|
| High Intensity Tungsten (HIT) | 6V | 9W | 135 | L9 |
| | 6V | 18W | 136 | L18 |
| | 12V | 9W | 138 | L9 |
| | 12V | 18W | 139 | L18 |
| | 12V | 25W | 140 | L25 |
| BI-PIN Halogen | 6V | 6W | 784 | LH4 |
| | 6V | 8W | 785 | LH5 |
| | 6V | 10W | 787 | LH7 |
| | 6V | 12W | 786 | LH6 |
| | 6V | 15W | JC6V-15W | LH1 |
| | 12V | 8W | 774 | LH8 |
| | 12V | 12W | 783 | LH3 |

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.

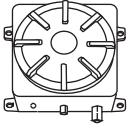
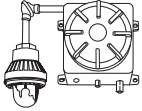
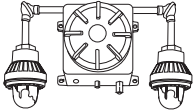
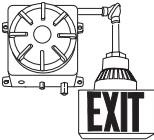
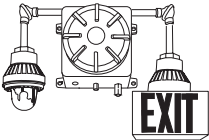
DIMENSIONS

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"



Dimensions are approximate and subject to change

Standard Configurations For EXP Series

| Unit | Catalog Number | Description |
|--|--|---|
|  (Remote capability) | EXP12N50TS (Remote capability) | 12 volt self-contained hazardous area emergency lighting power unit complete with battery and charger. 12V self contained hazardous area emergency lighting. power unit complete with battery charger and transfer switch. |
|  | EXP6N50E402/LH1 EXP6N50E402/LH1-TS | Single head unit with 6 volt, 15 watt HIT lamp. Single head unit with 6V lamp and transfer switch. |
|  | EXP6N50E402/L9-2 EXP6N50E402/L9-TS-2 | 6 volt self-contained hazardous area emergency lighting power units complete with battery and charger and two heads. Each fixture supplied with one 9 watt DCB lamp. 6V self contained hazardous area emergency lighting. Power unit complete with battery, charger, 2 heads and transfer switch. |
|  | EXP6N25TSX402R | Self-contained unit with integral low voltage transfer panel (TS) to operate max. the 15W 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 2X402 for X402. |
|  | EXP6N50E402/LH1TSX402 EXP6N50E402LH1TSX402R | In addition to the max. 15W exit lamp which operates in both normal and emergency modes, greater emergency lighting can be achieved with (1) additional emergency lighting head. Each fixture supplied with one 6 volt, 15 watt (LH1) Bi-pin halogen lamp. |

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.