Explosion Proof EXC, EFEP & EFXP Series

Equipment rated for Hazardous Locations

IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following:.

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. Do not use outdoors.
2. Do not let power supply cords touch hot surfaces.
3. Use caution when handling batteries. Avoid possible shorting.
4. Do not mount near gas or electric heaters.
5. Use caution when handling batteries. Avoid possible shorting.
6. Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
7. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition. (**CAUTION:** If optional Halogen cycle lamp(s),(h-), are used in this equipment, to avoid shattering: Do not operate lamp in excess of rated voltage, protect lamp against abrasion and scratches and against liquids when lamp is operating. Dispose of lamp with care.)
8. Do not use this equipment for other than intended use.
9. Replace the lamps only with original parts as described on the equipment labels.
10. All servicing should be performed by qualified service personnel.

SAVE THESE INSTRUCTIONS

NOTE : All plugs, couplings and elbows must be Listed for the hazardous atmosphere in which the unit is installed and wiring must be in accordance with the requirements of NEC Article 500.

Installation Instructions

NOTE : Assembly of the EXC Series varies with additional options purchased (Refer to fig. 1).

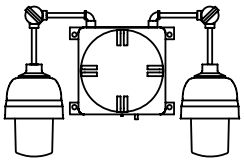
1. Turn off AC power

Housing

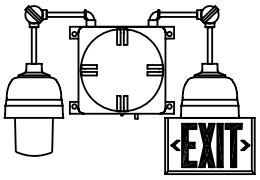
2. Remove spin-off gasketed coved (see fig. 2). Mount unit securely into place positioning the red test switch assembly to the bottom.
   NOTE: The following step is for the EXC Series with one of two fixtures. If one option is an EXIT fixture, then there will be 1 white lead, 2 black leads and 2 orangeleads.
3. Route AC unswitched supply through conduit hole on top of the unit. Connect the Neutral to White wire, 120 VAC to the Black wire(s) or 277 VAC to the Orange wire(s). Insulate unused lead(s).

Lighting Fixture(s)

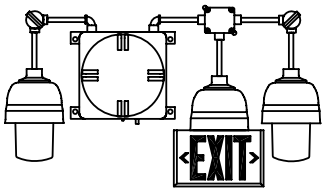
4. Disconnect swivel elbow by removing the screw (see fig. 3). Route lamp wires through the 90-degree elbow on top of housing. Connect swivel elbow with 6" conduit to the 90-degree elbow. Do not lengthen this conduit unless a seal is fitted within 18" of the housing. Permanently secure and tighten all fittings after properly positioning. Re-assemble swivel elbow.
5. Connect wiring for lamp fixture inside housing where labeled "Remote Heads".



EXC Series with 2 Lamp Fixtures



EXC Series with Lamp and EXIT Fixtures



EXC Series with 2 Lamps and EXIT Fixtures

Figure 1

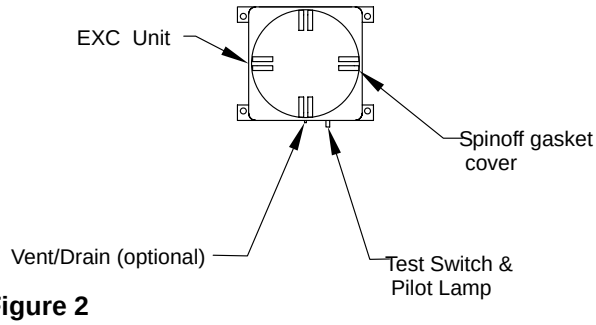


Figure 2

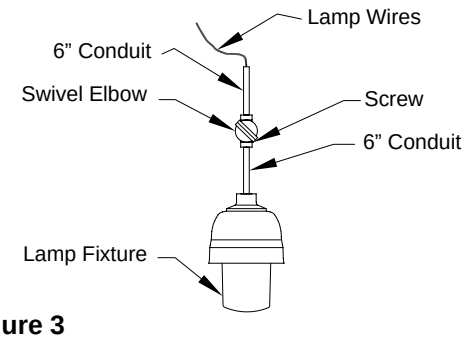


Figure 3

Exit Fixture

6. Disconnect swivel elbow by removing the screw (see fig. 4). Route EXIT fixture wires through the 90-degree elbow on top of housing. Connect swivel elbow with 6" conduit to the 90-degree elbow. Do not lengthen this conduit unless a seal-off is fitted within 18" of the housing. Permanently secure and tighten all fitting after properly positioning. Re-assemble swivel elbow.
7. Connect wiring for lamp fixture inside housing where labeled "Exit Heads". NOTE: The following step is for the EXC Series with a third fixture from the bottom of the housing.

Junction box

8. Remove junction box cover (see fig. 5). Remove conduit plugs from inside.
9. Connect junction box with 6" conduit into conduit hole in housing. Permanently secure and tighten all fittings after properly positioning. Securely mount junction box utilizing mounting feet.
10. Route EXIT fixture wires through the junction box into the housing of the unit. Connect and tighten 6" conduit from EXIT fixture to junction box conduit hole. Do not lengthen this conduit unless a seal-off is fitted within labeled 18" of the housing. Connect EXIT fixture wires inside housing where labelled "Exit Head".
11. Route AC unswitched wires through a conduit hole in junction box. Connect the Neutral to White wire, 120 VAC to the Black wire(s) or 277 VAC to the Orange wire(s) within the junction box. Insulate unused lead(s). Replace junction box cover and EXC cover. (Threads should be lubricated by graphite grease). Install plug(s) in unused conduit hole(s).

Remote Fixtures with Junction box

12. Remove junction box cover (see fig. 6). Remove conduit plugs form inside.
13. Connect junction box and fixture to remote EXC unit with appropriate conduit, ensuring that a seal-off is installed within 18" of the EXC unit.
14. Connect the remaining fixture(s) by threading the wires into the junction box and screwing in the 6" conduit. This conduit may be lengthened but should be supported in accordance with NEC Article 500.
15. Connect the fixture supply leads to the wires in the EXC unit labeled "Remote Heads".
16. Replace junction box cover and EXC cover. (Threads should be lubricated by graphite grease). Screw plug(s) into any unused conduit hole(s).

Energizing EXC Unit

17. Energize AC supply. AC pilot will illuminate. Automatic charger will charge and maintain battery for standby mode. EXIT fixture , if provided will be illuminated.

Testing

Operate test switch. The fixture(s) will illuminate. If an EXIT fixture, is supplied it will remain illuminated. Release test switch, fixture(s) will extinguish, EXIT fixture, and pilot light will be illuminated.

Maintenance

None required. Unit should be tested monthly in accordance with the requirements of NFPA 101, Life Safety Code or local codes.

Important notice

If the AC supply to the unit is to be disconnected for 2 months or more, the battery must be disconnected. Prior to initial full load testing, unit should be on for 24 hours to allow battery sufficient time to recharge.

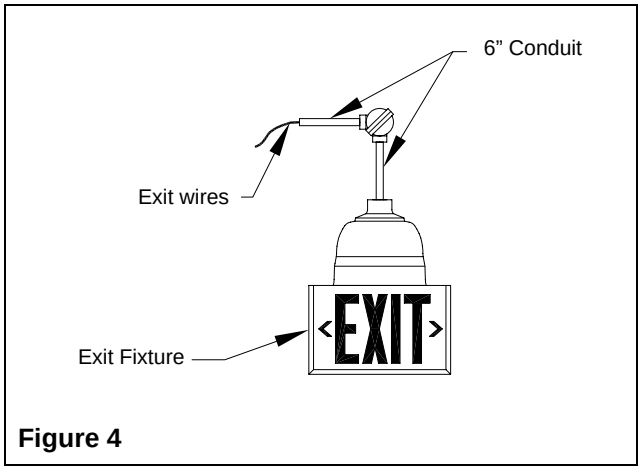


Figure 4

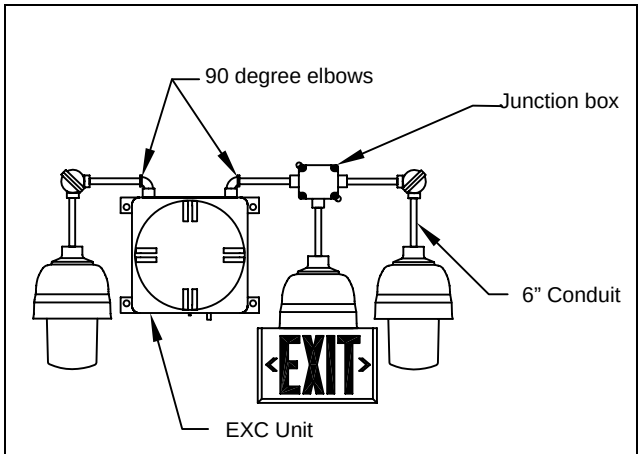


Figure 5

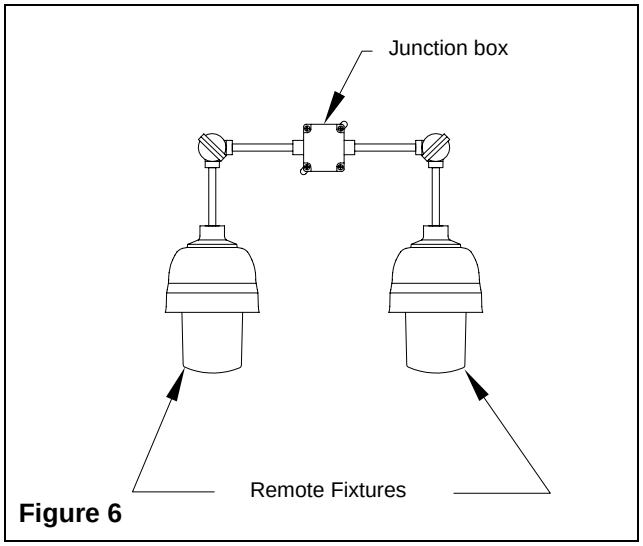


Figure 6