

Steel Battery Unit

WARNING:
Risk of Electrical Shock.
Disconnect Power before Installation.

IMPORTANT SAFEGUARDS

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

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. All servicing should be performed by qualified service personnel.
2. All unused wires must be capped to prevent shorting.
3. Do not use outdoors.
4. Do not let power supply cords touch hot surfaces.
5. Do not mount near gas or electric heaters.
6. Use caution when handling batteries.
7. Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
8. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
9. Do not use this equipment for other than intended use.
10. Unit to be installed only as per configuration described in this instruction sheet.

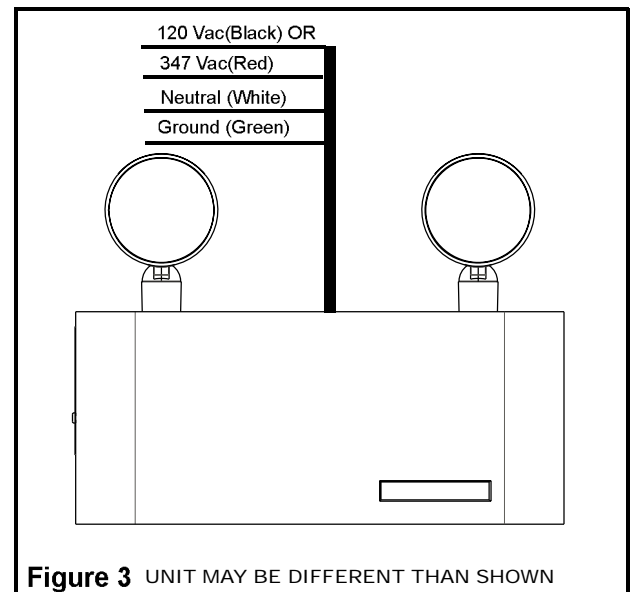
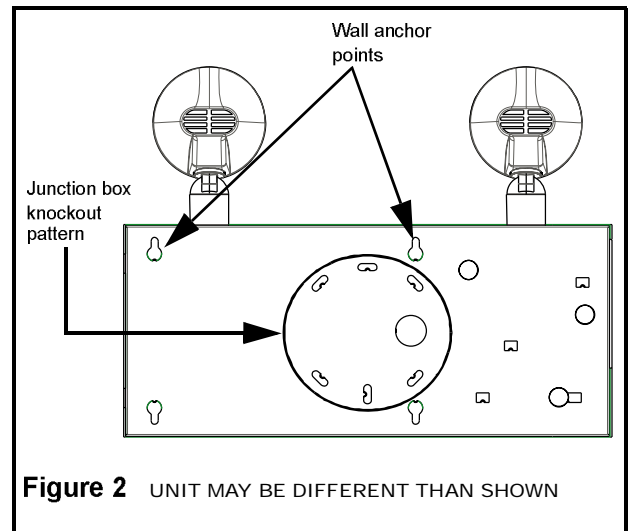
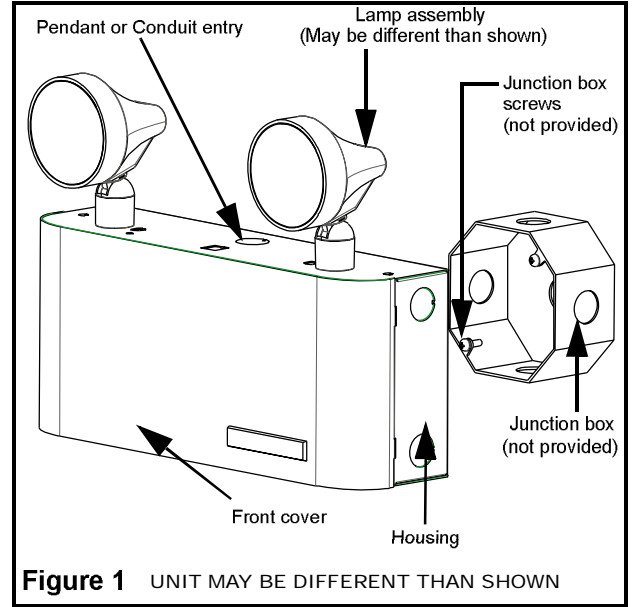
SAVE THESE INSTRUCTIONS

Installation Instructions

1. Turn off unswitched AC power.
2. Route AC unswitched circuit of rated voltage into electrical box and leave 6" of wire length.
3. Remove the front cover.
4. Remove the battery support bracket and battery(ies) and note how they are connected to reproduce this upon re-assembly (if applicable).

Wall Mounting

1. Using a flat head screwdriver knock-out the proper hole pattern in the housing to mount to a standard junction box (See Fig. 2). To do so, it is recommended to place the unit on a flat solid surface with the back of the housing facing the surface. Prop up the unit on a roll of tape or other solid means to facilitate the removal of the knock-outs.
2. Install means to anchor unit in line with "Wall anchoring points" (see Fig. 2).
3. Feed AC supply leads and wires from remotes (if applicable).
4. Mount housing to the junction box.
5. Make the proper connections: our system can accept input voltages of 120 VAC or 347 VAC. Therefore, connect the black (120 VAC) or red (347 VAC) and white (common) leads to the building utility. Connect the green wire to the ground. Refer to figure 3.
6. Secure the housing to the wall at wall anchoring points using wall mount screws, then to the junction box using the junction box screws.
7. Reinstall the battery(ies) by connecting the wires first before securing each battery in the housing. Secure the battery bracket with screw supplied.
8. Connect the battery to the charger board.
9. For units with remote capacity, connect the remote heads to L+ and to L-.



Calculation of total allowable remote capacity of unit: Maximum remote lamp power = unit capacity minus the total power of lamps included with unit.

10. Replace the unit cover and screw it back in place.
11. Adjust the lamps in an appropriate position.
12. Energize AC.

Pendant Mounting

Refer to pendant instruction sheet for pendant mounting.

Conduit Entry Connection

Remove knock-out for the conduit entry located on the top or top right side of the housing (See Fig. 1). Secure unit to the wall following "Wall mounting" instructions and make appropriate connections. Isolate wires from building to avoid contact with the transformer.

Manual Testing

Unit must be tested according to the Life Safety and local Codes. Press test switch. On release, external green LED will illuminate and automatic charger will restore battery to full charge.

Automatic Testing

The unit will perform an automatic self-test of 1 minute every month, 10 minutes every 6 month and a 30 minutes self-test once a year.

Automatic Diagnostics

The diagnostic function uses an external LED Status indicator. Service is required if the LED blinks indicating that an alarm condition is detected. For more information refer to the website address indicated on the unit label located inside the unit. For more information about the AD function, please consult the web site for this user manual: "AD with Single LED Status User Manual" 750.1549.

For Nexus models, refer to "Nexus addendum" 750.1444.
 For Nexus@Pro models, refer to "Nexus@Pro addendum" 750.2083 for important information before powering up unit.
 For additional information, go to www.Nexus-System.com.

o Green	Steady	AC On
-o Green	Blinking	In Test
o Red	Steady on	Battery Disconnect
-o Red	Blinking	Battery Failure
o-o Red	Two Blinks	Charger failure
o-o-o Red	Three Blinks	Lamp Failure

Maintenance

If AC supply to the unit is to be disconnected for 2 months or more, the battery must be disconnected.

Note — Nickel Cadmium battery units are shipped discharged and may require 10 minutes of connection to AC supply before start-up test procedure, and 96 hours to reach full charge or 24 hours to charge to meet a 30 minute discharge.

Battery replacement

Refer to markings on battery or unit model for correct replacement type.

1. Disconnect AC power to unit.
2. Open front cover.
3. Disconnect battery leads and remove battery(ies).
4. Replace with new battery(ies) and connect leads to battery terminals. Red(+) to positive terminal. Blue(-) to negative terminal.
5. Replace front cover and reconnect AC power.

Lamp replacement

Replace burned lamps with new lamps of the same voltage and wattage.



Important:

The battery in the unit will hold a charge until the date indicated on the carton. After this date the unit must be placed on charge for at least 24 hours. Shelf life of the unit will be six months after the battery has been re-charged and no longer connected. Warranty will be void if unit has not been placed into service or re-charged by the date indicated.
 The unit is designed to operate between 10°C to 30°C (50°F to 86°F). Operating temperatures outside those limits will void warranty.

Warranty: For the complete warranty information, please refer to the home page of our website (<http://www.tnb.ca.abb.com>).