

### MODEL OE-212BP



### WARNING

**WARNING — THE INSTALLATION MUST BE CARRIED OUT BY A QUALIFIED ELECTRICIAN.**

1. LED Emergency Lights are for INDOOR USE ONLY
2. Please keep the LED Emergency Lights away from any corrosive substance, and please use dry cloth when you clean it
3. LED Emergency Lights can only be installed by a qualified electrician
4. Before installation or maintenance, please disconnect the power to prevent electric shock

### Application Notice

1. DO NOT let power cords touch hot surfaces. DO NOT install near gas or electric heaters
2. Equipment should be mounted in locations and at heights where unauthorized personnel will not readily subject it to tampering
3. The use of accessory equipment not recommended by manufacturer may cause an unsafe condition and will void the unit's warranty
4. Use caution when servicing batteries. Battery acid can cause burns to skin and eyes.  
If acid is spilled on skin or eyes, flush with fresh water and contact a physician immediately
5. DO NOT use this equipment other than for its intended purpose.

### CAUTION

**PLEASE READ INSTRUCTION BEFORE COMMENCING INSTALLATION AND RETAIN FOR FUTURE REFERENCES.**

**Electrical products can cause death or injury, or damage to property.**

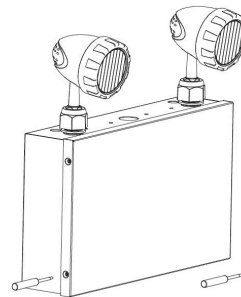
**If in any doubt about the installation or use of this product, consult a competent electrician.**

### INSTALLATION GUIDE

#### Hardwired Installation

1. Extend non-switched 24 hour AC supply of rated voltage to a junction box (supplied by others) installed in accordance with all applicable codes and standards. Leave a minimum of 8 inches of slack on the wire. This circuit should NOT be energized / live at the same time
2. Open the unit by unscrewing the cover screws on the sides of the unit. The front cover can then be removed
3. Unit is supplied with universal spider knockouts and keyhole slots stamped into the back of the cabinet. Knock out the appropriate hole(s) and bring wires through the hole(s) into the cabinet
4. Make proper wiring connections between the AC supply and the unit's transformer (see the wiring diagram on the bottom right). Insulate unused wire. Connect ground to supplied ground wire in accordance with local codes. Reassemble all wire connections and connectors. Failure to insulate unused wire may result in a shock hazard or unsafe connection as well as equipment failure
5. Batteries on larger units may be shipped separately to avoid damage in shipping. Install batteries into the cabinet and complete the appropriate battery connections (see Fig.2 on the top right)
6. Batteries already installed in the cabinet MUST be connected to the circuit board

**Fig.1**

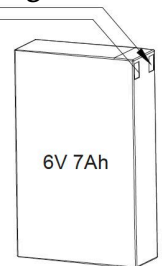


**Red+**

**Fig.2**

**Black-**

**Battery**



#### Max Remote Load

- 36W at 30 mins battery backup time
- 12W at 90 mins battery backup time
- 10W at 120 mins battery backup time



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### TROUBLESHOOTING

#### Emergency Lamps do not come on at all:

Pilot Light is out before test...

1. Check AC supply — be sure unit has 24 hour AC supply (non-switched)
2. AC supply is OK and indicator light is out, replace PC Board Assembly. Pilot Light is ON before test
3. Either the output is shortened or overloaded or the battery is not connected
4. Battery is severely discharged. Allow 24 hours for recharge and then retest. REMINDER — This could be the result of a switched AC supply to the unit (which has been turned OFF at some point) a battery with a shortened cell, an old battery or a battery which has been discharged due to a long power outage and is not yet fully recharged

#### Emergency Lamps come on dim when test button is pressed:

Battery discharged — permit unit to charge for 24 hours and then retest. If lamps are still dim, check charger for proper function. If charger functions correctly, replace battery

#### Emergency Lamps come on when battery is first connected:

Battery may be connected in reverse polarity. Check connections. Connect Positive (+) lead to Positive (+) battery terminal and Negative (-) lead to Negative (-) battery terminal. The lamps should then turn OFF and the charge indicator should light when AC power is applied (see wiring diagram on the first page of this instruction manual)

#### Emergency Lamps come on dim when AC power is ON:

Check supply voltage and AC connections . This emergency light is provided with brownout protection. The AC supply must be at least 80% of nominal (120V on a 347V line) for equipment to function normally. At lower voltages, the emergency lamps will begin to glow dimly until the source voltage drops below the full turn-on point. REMINDER — This condition may also be caused by incorrectly connecting a 120V supply line to the 347V transformer lead

#### Nothing happens when the unit is energized:

Some models have a standard time delay built into the design of the charger board. Please allow 15 minutes with AC current connected. At this point, the LED AC-ON and CHARGE lights should illuminate

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