



## INSTRUCTIONS IMPORTANT SAFEGUARDS

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

1. **READ AND FOLLOW ALL SAFETY INSTRUCTIONS**
2. Disconnect power before performing work on electrical equipment.
3. Do not use outdoors.
4. Do not let power cords touch hot surfaces and do not mount near gas or electric heaters.
5. 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.
6. Equipment should be mounted in locations and at heights where unauthorized personnel will not readily subject it to tampering.
7. The use of accessory equipment not recommended by BeLuce Canada Inc. as it may cause an unsafe condition, and will void the unit's warranty.
8. Do not use this equipment for other than its intended purpose.
9. Servicing of this equipment should be performed by qualified service personnel.
10. **SAVE THESE INSTRUCTIONS!**

## INSTALLATION

### WALL MOUNT - SINGLE FACE:

1. Extend un-switched 24-hour AC supply of rated voltage to junction box.
2. Loosen the screw at the bottom of power pack cover and take off the cover (figure 2).
3. Knockout appropriate mounting holes and wire pass-through holes on power pack cover (figure 3).  
If surface conduit wiring is being used, knockout appropriate sized hole by the side or top of power pack to fit conduit connector (figure 4).
4. Mount the power pack cover securely to junction box (provided by others), passing required wires through.
5. Make electrical connections, as per wiring diagram (figure 1).  
Connect AC supply wires as per diagram or wire labels provided. **Insulate exposed ends of unused wires!**  
Connect remote lamp/load wires (if any) to lamp output terminals on circuit board.  
Connect the loose wire lead between the appropriate polarity terminals on battery and circuit board.
6. Re-attach fixture and power pack to power pack cover and secure with bottom screw (figure 5).
7. Turn ON AC supply, and position lamps / heads to provide best lighting distribution.

### CEILING/PENDANT MOUNT - SINGLE OR DOUBLE FACE:

1. Follow steps 1 and 2 of wall mount instruction above.  
For DOUBLE FACE, power pack cover is fixed to the second frame (figure 6).
2. Knockout center hole at the top of power pack for pendant mounting (figure 4).
3. Mount unit securely to ceiling with appropriate pendant kit, passing required wires through (figure 7).
4. Follow step 5 of wall mount instructions above.  
For DOUBLE FACE, also connect LED strip connector of second face to SIGN LED OUT extension from circuit board..
5. Re-attach power pack cover (fixed to second frame, if double face) and secure with bottom screw (figure 8).
6. Turn ON AC supply, and position lamps / heads to provide best lighting distribution.

<p><b>DO NOT LEAVE BATTERIES CONNECTED, WITHOUT AC SUPPLY TURNED ON, FOR A LONG DURATION!</b> Allow 24 hours recharge time after installation or power failure before full load testing.</p>
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### CHANGING PICTOGRAM

1. Loosen 2 set screws, one at each lower bottom side of frame, use 1/16" Allen wrench (figure 9).
2. Remove bottom part of frame and slide out pictogram (figure 10).
3. Slide new pictogram into frame, and re-attach bottom part with set screws.

Figure 1

## Wiring Diagram

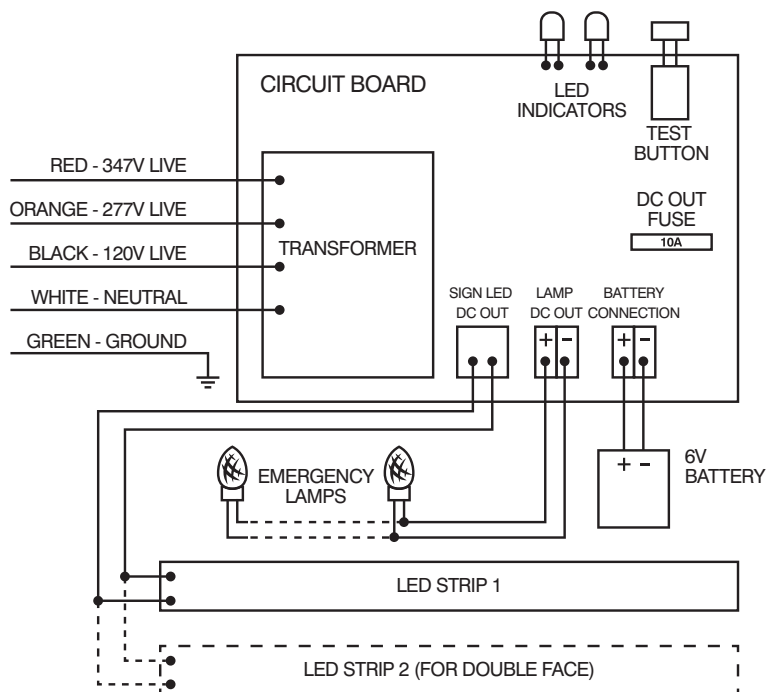


Figure 2

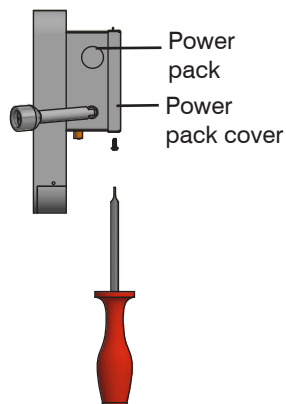


Figure 3

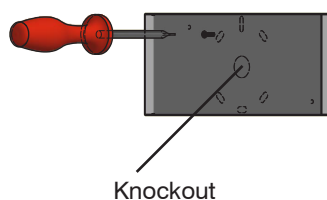


Figure 4

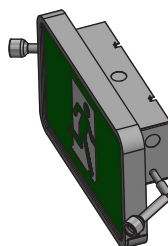


Figure 5

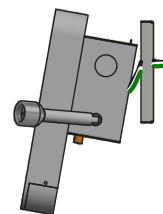


Figure 6

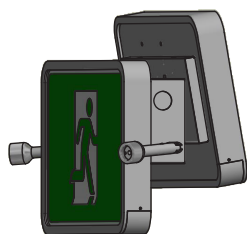


Figure 7

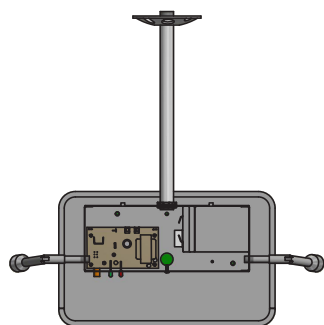


Figure 8

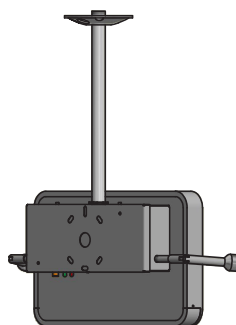


Figure 9

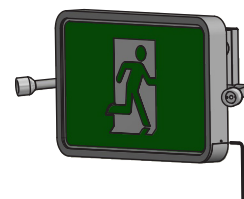


Figure 10



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## OPERATION

- Under normal standby operation (mains AC supply available),
    - Running Man (RM) sign is illuminated, emergency lights are OFF
    - 'AC ON' indicator is ON
    - 'CHARGE' indicator is ON while battery is charging, and OFF when battery is fully charged; it will turn ON and OFF intermittently as charge rate varies to maintain optimal charge.
  - In emergency mode (AC supply failure),
    - Running Man (RM) sign is illuminated, emergency lights are ON
    - Both indicators are OFF
  - To simulate emergency mode, depress the 'TEST' switch.
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## MAINTENANCE

BeLuce Canada Inc. recommends that functional and duration tests be carried out on the unit regularly and that written records be maintained, according to the local building or fire code.

Seek qualified service whenever equipment fails to operate as intended.

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### TROUBLESHOOTING

Problem	Possible Reasons	Solution
Emergency lamps or RM illumination does not turn ON in emergency mode	DC output fuse has blown, due to overload or short-circuit fault in lamp circuit	Reduce number of connected remote lamps / heads Locate and clear fault Replace fuse
	Lamp(s) or LED strip is faulty	Replace lamp(s) or LED strip
	Circuit board is defective	Replace circuit board
	Battery is defective	Replace battery
Emergency lamps and RM illumination does not stay ON for required minimum duration	Battery is not fully charged	Allow battery recharge for up to 24 hours
	Lighting load exceeds unit rating	Reduce number of connected remote lamps / heads
	Battery is defective	Replace battery
Emergency lamps turn ON when AC is present	Circuit board is defective	Replace circuit board