

PRO-ELEC



Model No. PEL00579

MAINTAINED LED EXIT BOX

Please read these instructions carefully before starting installation and retain for future reference. The centre page test record can be removed and kept with the building fire safety records.

IMPORTANT SAFETY INFORMATION

RISK OF ELECTRICAL SHOCK. ALWAYS ISOLATE THE POWER AT THE MAINS BEFORE INSTALLING OR MAINTAINING THIS EMERGENCY LIGHT.

- This product must be installed by a competent person in accordance with the Building Regulations and the current edition of the IET Wiring Regulations (BS7671).
- This product is suitable for mounting on normally flammable surfaces such as wood, plasterboard or masonry.
- Emergency light fittings should have their own separate mains circuit, protected with an appropriate MCB or fuse. They should not share their supply with other lighting or electrical equipment.
- This product is suitable for connection to a 220-240V~ 50Hz.
- This product is for indoor use only.
- Ensure that after installation the equipment remains accessible for regular maintenance and testing.

INSTALLATION

NOTE: Before drilling any holes, check that there are no hidden obstructions behind the mounting surface such as pipes or cables.

1. Prize off the legend diffuser by inserting a flat blade screwdriver into the slot on the end of the unit and turning it. Disconnect the wiring plugs from the PCB noting their position and remove the front panel.
2. Using the back of the product as a template, mark the position of the fixing holes on your mounting surface.
3. Drill the fixing holes and fit wall plugs as appropriate and secure the back of the product to the mounting surface using suitable fixings (not supplied).
4. Cable access points are provided in either end of the rear panel. Cut out the required cable access from one matching position on the front panel as required.
5. Secure the cable with the cable grip.
6. Make connection to the supply using the terminal block provided. Ensure that the correct polarities are observed i.e.:
 - Brown – Live terminal 'L'
 - Blue – Neutral terminal 'N'.
 - Link wire 'L' to 'L1' can be removed to change between maintained and non-maintained.
7. Write the current date on the battery pack in the space provided.
8. Reconnect the wiring plugs previously disconnected and also connect the battery to the socket on the PCB marked 'BATTERY'.
9. Refit the diffuser making sure that it is securely clipped in place.
10. Turn on the power supply. The green LED should light to indicate that the battery is charging.
11. In maintained mode, the lamp will illuminate.
12. Perform the electrical tests specified in the Wiring Regulations (BS7671).

**Test Record Sheet on reverse
PULL OUT**

Installation, maintenance a

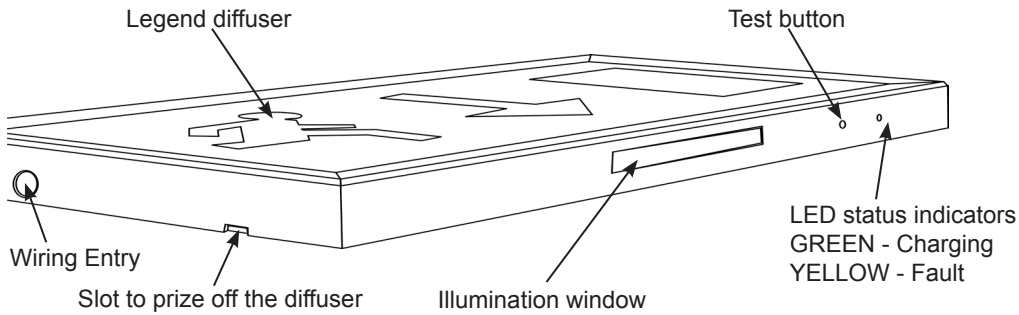
Location:

Installation date:

Installed by:

| | | 20__ | | 20__ | | 2 |
|-------|-------|------|------|------|------|---|
| Month | Test | Sign | Date | Sign | Date | S |
| 1 | Short | | | | | |
| 2 | Short | | | | | |
| 3 | Short | | | | | |
| 4 | Short | | | | | |
| 5 | Short | | | | | |
| 6 | 1 hr | | | | | |
| 7 | Short | | | | | |
| 8 | Short | | | | | |
| 9 | Short | | | | | |
| 10 | Short | | | | | |
| 11 | Short | | | | | |
| 12 | 3hr | | | | | |

**Test Record Sheet on reverse
PULL OUT**



OPERATIONAL CHECKS

Note: This equipment must be checked regularly in compliance with local regulation and codes of practice.

- The LED's can be tested by pressing the TEST button on the bottom of the case. This simulates a power failure and the switches the lamp on to battery power.
- After installation, you should allow 24 hours for the battery pack to charge fully before testing.
- Isolate the power supply and check that the lamp remains illuminated for at least three hours. Restore the power supply.
- Each day: Check that the green charging LED is lit.
- Each month (short test): Isolate the power supply and check that the lamp remains illuminated. Record the results on the test record sheet included with these instructions.
- Every six months: Isolate the power supply and check that the lamp remains illuminated after 1 hour. Record the results on the included test record.
- Once each year: Isolate the power supply and check that the lamp is still illuminated after 3 hours. Record the results on the included test record.
- **Please keep these test records in a safe place. A fire officer or other authorised person may want to see your record of inspection and testing.**

CLEANING AND MAINTENANCE

- Clean the product with a soft, dry cloth only. Do not use any solvents or abrasive chemical cleaners.
- The LED lamps in this product are non-replaceable.

Changing the battery

- If after a routine operation check, the lamp does not remain lit for the 3 hour period, a new battery pack may be required. Change the battery pack as follows:
 1. Isolate from the mains supply.
 2. Remove the legend diffuser.
 3. Unplug the 2 pin battery pack connector.
 4. Remove the old battery pack.
 5. Write the current date on the new battery pack.
 6. Fit the new battery pack and secure in position.
 7. Reconnect the battery pack terminal connector.
 8. Refit the diffuser making sure that it is securely clipped in place.
 9. Restore mains power and allow to charge for 24 hours.
 10. Perform the full operation check and update the test record.

SPECIFICATIONS

| | |
|------------------------------------|--|
| Input voltage: | 220-240V~, 50Hz |
| Rated power: | 5.0W |
| Lamps: | SMD 2835 LEDs x 30 pcs |
| Luminous flux: | 60Lm (AC/DC) |
| Continuous emergency illumination: | > 3 hours (when the battery is fully charged) |
| Battery pack: | Ni-Mh 3.6V 1.8Ah |
| Recharge time: | 24 hours – approx. |
| Ambient temperature: | 0 - 35°C |
| Over-discharge protection: | Yes |
| Ingress protection rating: | IP20 |



INFORMATION ON WASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT.

When this product has reached the end of its life it must be treated as Waste Electrical & Electronic Equipment (WEEE). Any WEEE marked products must not be mixed with general household waste, but kept separate for the treatment, recovery and recycling of the materials used. Waste batteries can be returned to any waste battery recycling point which are provided by most battery retailers. Contact your local authority for details of battery and recycling schemes in your area.



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