



Instructions for: **RECHARGEABLE FLUORESCENT LANTERN**

Model No: **ML18/36**

Thank you for purchasing a Sealey Product. Manufactured to a high standard this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.




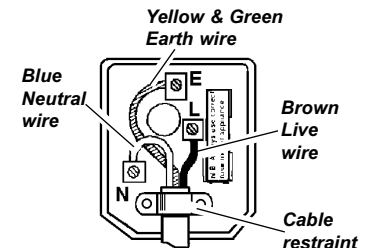
**IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.**



## 1. SAFETY

### 1.1. ELECTRICAL SAFETY.

- ❑ **WARNING!** It is the user's responsibility to read, understand and comply as follows. **You must** check all electrical equipment and appliances to ensure they are safe before using. **You must** inspect power supply leads, plugs and all electrical connections for wear and damage. **You must** ensure the risk of electric shock is minimised by the installation of appropriate safety devices. An RCCB (Residual Current Circuit Breaker) should be incorporated in the main distribution board. We also recommend that an RCD (Residual Current Device) is used with all electrical products. It is particularly important to use an RCD together with portable products that are plugged into an electrical supply not protected by an RCCB. If in doubt consult a qualified electrician. You may obtain a Residual Current Device by contacting your Sealey dealer. **You must** also read and understand the following instructions concerning electrical safety.
  - 1.1.1. The Electricity At Work Act 1989 requires all portable electrical appliances, if used on business premises, to be tested by a qualified electrician, using a Portable Appliance Tester (PAT), at least once a year.
  - 1.1.2. The Health & Safety at Work Act 1974 makes owners of electrical appliances responsible for the safe condition of the appliance, and the safety of the appliance operator. If in doubt about electrical safety, contact a qualified electrician.
  - 1.1.3. Ensure the insulation on all cables and the product itself is safe before connecting to the mains power supply. See 1.1.1. & 1.1.2. above and use a Portable Appliance Tester (PAT).
  - 1.1.4. Ensure that cables are always protected against short circuit and overload.
  - 1.1.5. Regularly inspect power supply, leads and plugs for wear and damage and inspect connections to ensure that none is loose.
  - 1.1.6. Important: Ensure the voltage marked on the product is the same as the electrical power supply to be used, and check that plugs are fitted with the correct capacity fuse. A 13 amp plug may require a fuse smaller than 13 amps for certain products, see fuse rating at right.
  - 1.1.7. DO NOT pull or carry the powered appliance by its power supply lead.
  - 1.1.8. DO NOT pull power plugs from sockets by the power cable.
  - 1.1.9. DO NOT use worn or damaged leads, plugs or connections. Immediately replace or have repaired by a qualified electrician. A U.K. 3 pin plug with ASTA/BS approval is fitted. In case of damage, cut off and fit a new plug according to the following instructions (discard old plug safely). (UK only - see diagram at right).
    - a) Connect the green/yellow earth wire to the earth terminal 'E'.
    - b) Connect the brown live wire to live terminal 'L'.
    - c) Connect the blue neutral wire to the neutral terminal 'N'.
    - d) After wiring, check that there are no bare wires, that all wires have been correctly connected, that the cable outer insulation extends beyond the cable restraint and that the restraint is tight.
 Double insulated products are fitted with live (BROWN) and neutral (BLUE) wires only. Double insulated products are always marked with this symbol . To re-wire, connect the brown and blue wires as indicated above. DO NOT connect the brown or blue to the earth terminal.
  - 1.1.10. Cable extension reels. When a cable extension reel is used it should be fully unwound before connection. A cable reel with an RCD fitted is recommended since any product which is plugged into the cable reel will be protected.



**FUSE RATING**  
THIS PRODUCT MUST BE  
FITTED WITH A  
**5 AMP FUSE**

**NOTE:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

**IMPORTANT:** No liability is accepted for incorrect use of this equipment.

**WARRANTY:** Guarantee is 12 months from purchase date, proof of which will be required for any claim.

**INFORMATION:** For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.



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### 1.2. GENERAL SAFETY

- ❑ **WARNING!** Disconnect lamp from mains power before changing tubes or performing any maintenance.
- ✓ Replace or repair damaged parts. Use genuine Sealey parts only. Non-authorized parts may be dangerous and will invalidate the warranty.
- ✓ Maintain the lamp in good condition.
- x **DO NOT** use the lamp if damaged.
- x **DO NOT** use lamp close to paint fumes, solvents or other flammable liquids or flammable waste, such as wipes or cleaning rags.
- x **DO NOT** fit a fluorescent tube other than the recommended replacement. (SEALEY PART NO. 003-SD1824D)
- ✓ When not in use switch off the lamp and remove plug from power supply.

- ☐ **WARNING!** Ensure the lantern is correctly charged before initial use.
- ✗ DO NOT allow children to use the lantern.
- ✗ DO NOT use if the battery or the lantern casing is damaged.
- ✓ When not in use store the lantern in a safe, dry, childproof location.

### 1.3. BATTERY SAFETY INSTRUCTIONS

- ☐ **WARNING!** Powered by a sealed lead-acid battery which can be dangerous if not handled with care.
- ✓ Charge battery prior to first use. The battery pack will have been shipped in a low charge state. Minimum initial charge time 20 hours.
- ✗ DO NOT charge battery when room temperature is below 50°F (10°C) or above 104°F (40°C).
- ✗ DO NOT attempt to recharge the battery by means of an engine generator or a DC power source.
- ✗ DO NOT short-circuit the battery by linking both terminals with a metal object.
- ✗ DO NOT store the battery (or lantern) in locations where the temperature may exceed 104°F (40°C) such as outside sheds, above heaters, or metal buildings in summer.
- ☐ **WARNING!** Dispose of spent battery correctly and in accordance with local regulations as it contains acid.  
**DANGER!** DO NOT attempt to dismantle the battery pack. For safety and environmental reasons DO NOT discard in domestic waste or by burning. ONLY discard or recycle according to local waste authority regulations.
- ☐ **WARNING!** DO NOT allow a leaking battery to come into contact with your skin. If you come into contact with battery fluid take immediate action:
  - a) **Skin contact:** Wash immediately with soap and water.
  - b) **Eye contact:** Flush eye immediately with cool, clean running water for at least 15 minutes and seek immediate professional medical attention.

## 2. INTRODUCTION

Twin daylight fluorescent tubes suitable for applications where mains power is unavailable or difficult to obtain. Tubes can be selected to run individually or as a pair. Lantern can be powered from the battery or from a mains supply cable, both stored internally. Electronic control allows lantern to be used as an emergency light, switching on in the event of mains power failure. Lantern includes carry handle and floor stand or can also be wall mounted. Includes charging and power LED indicators.

## 3. OPERATION

### 3.1. CHARGING THE UNIT.

- 3.1.1 Slide the 'Power Source' switch to the BATT position. (See diagram)
- 3.1.2 Open the power cable compartment at the back of the lantern. Uncoil the power cable and plug it into the mains power supply. The green LED will light to indicate the presence of mains power.
- 3.1.3 The battery pack will take approximately 20 hours to charge initially. Subsequent charging times will depend on the state of discharge of the battery pack. When the battery is fully charged the red LED will illuminate.
- 3.1.4 When charging is complete unplug the mains power cable and stow it back in the compartment. You may leave the cable connected if you wish to run the lantern from the mains supply but you must slide the 'Power Source' switch to the mains power position. See below.

### 3.2. USING THE LANTERN ON MAINS POWER.

- 3.2.1 Slide the 'Power source' switch to the mains power position.
- 3.2.2 Open the power cable compartment at the back of the lantern. Uncoil the power cable and plug it into the mains power supply. The green LED will light to indicate the presence of mains power.
- 3.2.3 Select the required tube combination using the function switch. The function switch has four positions:-  
a) OFF    b) ON Right tube only    c) ON Left tube only    d) ON Both tubes
- 3.2.4 Should the mains power fail the unit will automatically revert to battery operation.

### 3.3. USING THE LANTERN ON BATTERY POWER.

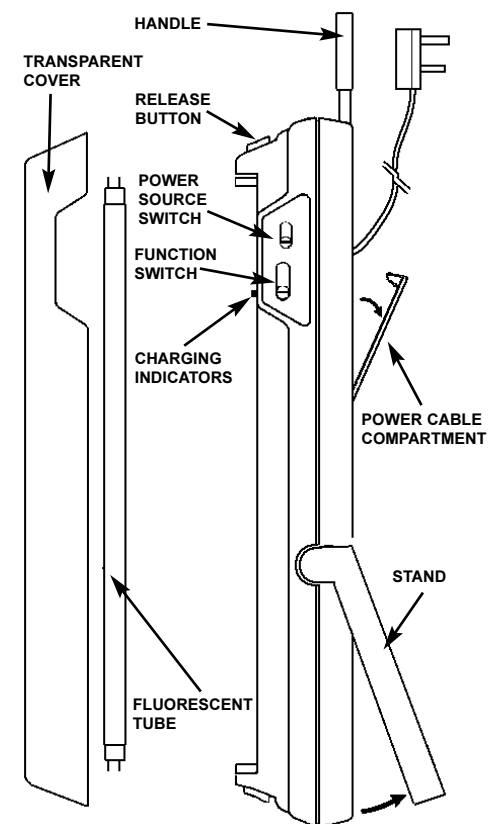
- 3.3.1 Slide the 'Power Source' switch to the BATT position.
- 3.3.2 Select the required tube combination using the function switch. The function switch has four positions:-  
a) OFF    b) ON Right tube only    c) ON Left tube only    d) ON Both tubes
- 3.3.3 After a full charge the lantern will run for approximately 2 hours on two tubes and 5 hours on one tube.

## 4. MAINTENANCE

- ☐ **WARNING!** Before replacing the fluorescent tubes or performing any maintenance the unit must be unplugged from the mains. Allow the tubes to cool before touching them.
- ☐ **WARNING!** Do not turn the unit on with the transparent cover removed or with the tubes removed.

### 4.1. CHANGING THE FLUORESCENT TUBES.

- 4.1.1 Replacement tubes must be the same type and rating as the original tubes supplied. Use Sealey replacement tubes (PART NO. 003-SD1824D)
  - 4.1.2 Remove the transparent cover by depressing the release button (see diagram) and lifting the cover off from the release button end first.
  - 4.1.3 Each tube can be removed by rotating it in either direction until one of the connector pins appears at the top of the tube holder slot. Lift out the old tube and replace it with a new one. Push the new tube all the way into the tube holder slots at both ends and then rotate the tube a quarter of a turn in either direction.
  - 4.1.4 Ensure that the tubes are correctly installed and seated before turning on.
- ### 4.2. CLEANING.
- 4.2.1 Clean the unit with a damp cloth and a mild soapy solution. Do not use solvents or abrasive cleaners.



**CE Declaration of Conformity** We, the sole distributor in the UK, declare that the product listed here is in conformity with the following standards and directives. The construction file for this product is held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

#### Rechargeable Fluorescent Lantern

Model: **ML18/36**

73/23/EEC Low Voltage Directive  
89/336/EEC EMC Directive

Signed by Mark Sweetman

1st February 2005

For Jack Sealey Ltd. Sole distributor in the UK of Sealey Power Products.