# PREMIER 8W RECHARGEABLE SOLDERING IRON

MODEL NO: **SDL7.V4**

**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 & CAUTIONS. USE THE 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. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instructions | Hot surfaces | Indoor use only | Warning | Wear eye protection

## 1. SAFETY

**1.1. GENERAL SAFETY**

❑ **WARNING!** Ensure Health & Safety, local authority, and general workshop practise regulations are adhered to when using this equipment.
✓ Familiarise yourself with the application, limitations and potential hazards of the soldering station.
❑ **WARNING!** This tool must be placed on its stand when not in use.
✓ Replace or repair damaged parts. Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
✓ Locate soldering station in a suitable working area, keep area clean and tidy and free from unrelated materials.
✓ Keep the work area clean, uncluttered and ensure there is adequate lighting.
✓ Keep the soldering iron clean for best and safest performance.
✓ Ensure there are no flammable or combustible materials near the work area.
✓ Wear appropriate protective clothing, including approved safety eye protection (standard spectacles are not adequate).
✓ Ensure the workpiece is adequately held before operating the soldering iron. See Sealey model number SD150 (Mini Robot Soldering Stand with Magnifier).
✓ Always replace the soldering iron in its holder when not in use. Dismantle when out of service.
✓ Remove excess solder from the soldering iron by wiping the tip on a damp, natural sponge; not by abrupt force.
× **DO NOT** attempt to remove excess solder from the soldering iron by shaking it. Hot solder may become airborne and land on skin causing burns and blisters.
× **DO NOT** allow children or pets into the area where the soldering is taking place.
× **DO NOT** attempt to cool the gun with water.
✓ Children from age 8 years and above, persons with reduced physical, sensory, or mental capabilities those with lack of experience and knowledge can use the appliance, if they have been given supervision or instruction concerning use of the appliance in a safe way to understand the hazards involved.
✓ Children shall not play with the appliance.
✓ Cleaning and user maintenance on the appliance shall not be made by children without supervision.
✓ The appliance shall be disconnected from its power source during service and when replacing parts and, if that the removal of the plug is foreseen, it shall be clearly indicated that the removal of the plug has to be such that an operator can check from any of the points to which he has access that the plug remains removed.
❑ **WARNING!** This tool must be placed on its stand when not in use.

**1.2. BATTERY SAFETY**

❑ **WARNING!** For the purposes of recharging the battery, only use the detachable supply lead provided with this appliance.
❑ **WARNING!** To reduce the risk of burns or fire:
× **DO NOT** attempt to open, disassemble, modify or service the battery pack.
× **DO NOT** crush, puncture, short external contacts or dispose of in fire or water.
× **DO NOT** expose to temperatures above 60°C (140°F).
✓ Recycle or dispose of used equipment as stipulated by local regulation.
✓ The battery must be removed from the appliance before it is scrapped.
✓ The appliance must be disconnected from the supply mains when removing the battery.
✓ The battery is to be disposed of safely.
✓ The appliance contains batteries that are only replaceable by skilled persons.
✓ The appliance must only be supplied at a safety extra low voltage corresponding to the marking on the appliance.

**1.3. SOLDERING SAFETY**

▲ **DANGER:** Make sure you know what is in your solder, it is not always apparent on the reel label.

**1.4. MISUSE**

1.4.1. Only use for intended purpose.
**1.4.2.** **WARNING!** Never touch the element of the soldering iron....400°C!
✓ Visually inspect the soldering iron before use. **DO NOT** use if damaged.
× **DO NOT** use soldering irons that have obvious damage to body, cable or plug.
× **DO NOT** submerge the soldering iron in water or any other liquids.

**1.5. ELECTRICAL SAFETY FOR USE OF CHARGER**

❑ **WARNING!** Use only the supplied charger plug and for the purposes of recharging the battery, only use the detachable supply lead provided with this appliance.
❑ **WARNING!** It is the user's responsibility to read, understand and comply with the following electrical instructions:

✓ The appliance must only be supplied at a safety extra low voltage corresponding to the marking on the appliance.

✓ Only use the power supply charger provided with the appliance.

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 is used with all electrical products, particularly portable equipment which is plugged into an electrical supply not protected by an RCCB.

You must also read and understand the following instructions concerning electrical safety.

1.5.1. 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.

1.5.2. 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 any doubt about electrical safety, contact a qualified electrician.

1.5.3. You must ensure that you:

Inspect the charger plug, cable and connector for wear and damage to ensure items are safe before connecting to the mains power supply. If worn or damaged **DO NOT** use.

1.5.4. Uncoil the cable between charger and the iron.

× **DO NOT** pull the charger plug from the mains socket by the lead.

❑ **WARNING!** For the purposes of recharging the battery, only use the detachable supply unit provided with this appliance.

× **DO NOT** try to take the charger plug apart.

× **DO NOT** use the charger plug to charge or power any other electrical item.

× **DO NOT** get the charger plug wet, or use in wet, damp conditions (for indoor use only).

**1.6. LEAKING BATTERIES**

1.6.1. Safety First: Prioritize safety by wearing protective gloves and eye goggles to shield against potential chemical harm.

1.6.2. Remove from Device: Immediately take the leaking battery out of the electronic device. Disconnect the device from its power source, avoiding direct contact with leaked material.

1.6.3. Contain and Dispose: Place the leaked material in a plastic bag or container, minimizing air contact. See section 5.0 for disposal details.

**1.7. SOLDER, FLUX AND CLEANERS**

1.7.1. Wear eye protection. Solder can “spit”.

1.7.2. Use rosin-free and lead-free solders wherever possible.

1.7.3. Keep cleaning solvents in dispensing bottles.

1.7.4. Always wash your hands with soap and water after soldering.

**1.8. LEAD EXPOSURE**

1.8.1. Lead can give rise to serious chronic health effects. Exposure will primarily be through accidental ingestion from your skin, wear gloves if directly handling solder. Limited fumes may be generated by soldering.

**1.9. ROSIN EXPOSURE**

1.9.1. Rosin (colophony, ersin) is a resin contained in solder flux. Flux generates the visible fumes seen during soldering. Exposure to rosin can cause eye, throat and lung irritation, nose bleeds and headaches. Repeated exposure can cause respiratory and skin sensitisation, causing and aggravating asthma. Rosin is a serious occupational health hazard.

**1.10. CONTROL OF FUMES**

1.10.1. Soldering using rosin is only permitted in strictly controlled conditions after discussion with the Safety Office where there is no effective alternative. Fume extraction should be through an enclosed hood (preferred) or tip extraction. Ideally these should vent to the outside. Tip extract units that use filter boxes should include both activated carbon and HEPA filters.

1.10.2. Bench top filter extract systems may be used for rosin-free soldering in well ventilated areas (i.e. large volume work space or with mechanical air changes. Placement of these is important to performance, if in doubt ask.

1.10.3. All extract systems should be tested at least annually and maintained (i.e. change filters regularly). Keep a log of filter changes or mark date on filter/system.

× **DO NOT** solder if extract is not working properly and report immediately.

**1.11. TRAINING AND SUPERVISION**

1.11.1. Supervisors/line managers should inform users of the risks from soldering.

1.11.2. Supervisors/line managers should ensure that controls are in place and working and that they are used correctly.

1.11.3. All those soldering should be trained and supervised appropriately.

**1.12. HEALTH SURVEILLANCE**

1.12.1. All those soldering frequently (i.e. more than once a week) and any using rosin containing solders should be referred to the Safety Office for health surveillance.

**1.13. FIRE PREVENTION**

1.13.1. Work on a fire-proof or fire resistant surface.

1.13.2. Wear fire resistant clothing (e.g. 100% cotton) that covers your arms and legs to prevent accidental burns.

1.13.3. Know where your nearest fire extinguisher is and how to use it.

**1.14. FIRST AID**

1.14.1. Immediate place any burns under cold water for 15 minutes.

1.14.2. Report to a first aider if deep or extensive otherwise protect with a plaster (band-aid).

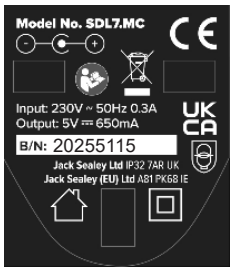
## 2. INTRODUCTION

Professional lithium-ion cordless soldering iron. Ideal for multiple applications including automotive soldering in-and-around engine bays. Heats up to working temperature in 25 seconds. Two integral LED worklights. Auto-shut-off after 10 minutes. Unit features a sturdy base stand and is supplied with a mains charger. Maximum Temperature: 450°C.

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## 3. SPECIFICATION

| | |
|---|---|
| **Model No:** | SDL7.V4 |
| Battery: | 4V 1.5Ah Lithium-ion |
| Charging Time: | 3hr |
| Maximum Temperature: | 450°C |
| Nett Weight: | 0.23kg |
| Operating Time: | 50min |
| Power Rating: | 8W |



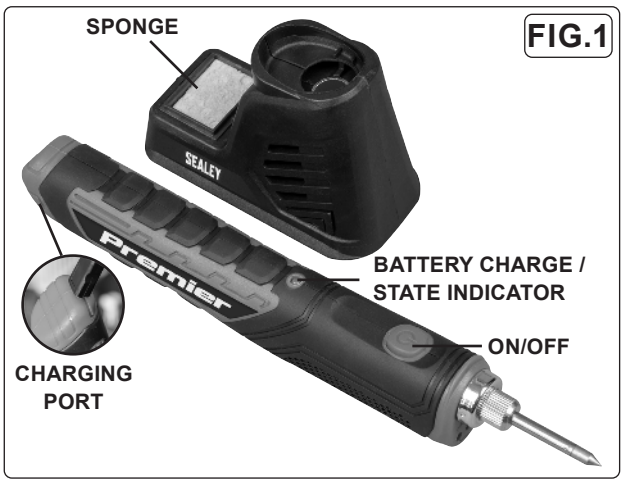

**IMPORTANT WARRANTY INFORMATION**

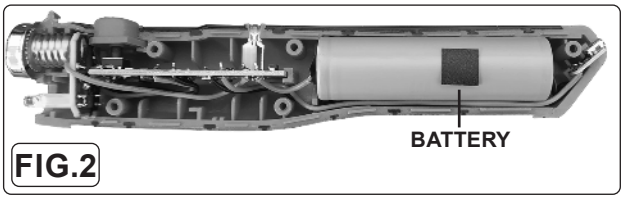
The battery fitted to this iron is considered to be a consumable item and its ability to accept a charge will reduce over time.

We will provide warranty against mechanical and electrical defect for a period of one year, this does not cover fair wear and tear.

If the battery is not properly charged before first use, or regularly conditioned, its capacity will diminish. Under these circumstances we will not replace the battery regardless of whether it is less than one year old.

**NOTE:** The lithium battery does not suffer from memory effect and once fully charged may be stored for up to six months without another charge.




## 4. OPERATION

**4.1. CHARGING AND POWER CORD**

4.1.1. Plug in charger and ensure that the soldering iron is fully charged before first use.

4.1.2. The battery charge indicator (fig.1) is red when charging and green once fully charged.

4.1.3. Only use included charging lead with this unit. Other leads may damage device or cause fire.

❑ **WARNING!** Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that they are secure.

× **DO NOT** charge a non-recharging battery, in doing so can cause a fire or an explosion.

× **DO NOT** replace battery.

**4.2. OPERATION**

4.2.1. To switch on, remove the soldering iron from the stand and press the On/Off button (fig.1). The two work lights will illuminate.

4.2.2. Hold down the On/Off button, the soldering tip warms up and the battery charge / state indicator will glow red until the tip is up to temperature. When the tip reaches the working temperature the light will glow green.

4.2.3. The tip will maintain the working temperature for 10 minutes and the green light will show in the state indicator after which it will turn off.

4.2.4. To recommence soldering, after a brief period, repeat the above steps.

## 5. DISPOSAL

**5.1. DISMANTLING THE PRODUCT WHEN OUT OF SERVICE**

**IMPORTANT:** The battery must be removed from the appliance before it is scrapped.

The unit must be disconnected from the supply mains when removing the battery.

5.2. Unscrew and remove the housing to reveal the battery (fig.2).

5.3. Cut the wires that are connected to the battery. Be careful not to cut/damage the battery, or touch the wires together.

5.4. Dispose of the battery safely as per local regulations.

## 6. MAINTENANCE

**IMPORTANT:** the battery must only be replaced by a professional whilst observing the polarity.

**6.1. DISPOSAL**

6.1.1. Through years of normal wear, the unit will eventually become unserviceable. When this happens ensure that it is disposed of in accordance with local authority regulations with the battery removed, refer to fig.2.

6.1.2. Collect waste solder in a lidded container. Replace lid when not in use.

6.1.3. Label appropriately and dispose of as hazardous waste (contact Safety Office).

6.1.4. Used solder sponges and contaminated rags should be placed in a saleable bag for disposal as hazardous waste.

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**ENVIRONMENT PROTECTION**
Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

REGISTER YOUR PURCHASE HERE

**WEEE REGULATIONS**
Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

Li-ion

**BATTERY REMOVAL REFER TO FIG.2**
Under the Waste Batteries and Accumulators Regulations 2009, Jack Sealey Ltd are required to inform potential purchasers of products containing batteries (as defined within these regulations), that they are registered with Valpak's registered compliance scheme. Jack Sealey Ltd's Batteries Producer Registration Number (BPRN) is BPRN00705.

**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. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on technical@sealey.co.uk or 01284 757505.
**Important:** No Liability is accepted for incorrect use of this product.
**Warranty:** Guarantee is 36 months from purchase date, proof of which is required for any claim.

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