



# INSTRUCTIONS FOR INSTANT HEAT SOLDERING GUN MODEL NO: SD200

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 instruction manual



Wear protective gloves



Wear eye protection

## 1. SAFETY

### 1.1. ELECTRICAL SAFETY

- ❑ **WARNING!** It is the user's responsibility to check the following:

Check all electrical equipment and appliances to ensure that they are safe before using. Inspect power supply leads, plugs and all electrical connections for wear and damage. Sealey recommend that an RCD (Residual Current Device) is used with all electrical products. You may obtain an RCD by contacting your local Sealey dealer.

If the product is used in the course of business duties, it must be maintained in a safe condition and routinely PAT (Portable Appliance Test) tested.

**Electrical safety information:** it is important that the following information is read and understood.

- 1.1.1. Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.
- 1.1.2. Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that they are secure.
- 1.1.3. **Important:** Ensure that the voltage rating on the appliance suits the power supply to be used and that the plug is fitted with the correct fuse - see fuse rating in these instructions.
  - \* **DO NOT** pull or carry the appliance by the power cable.
  - \* **DO NOT** pull the plug from the socket by the cable.
  - \* **DO NOT** use worn or damaged cables, plugs or connectors. Ensure that any faulty item is repaired or replaced immediately by a qualified electrician.
- 1.1.4. This product is fitted with a BS1363/A 13 Amp 3 pin plug.

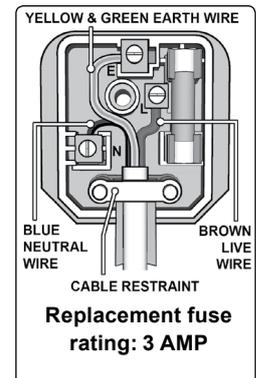
If the cable or plug is damaged during use, switch the electricity supply and remove from use. Ensure that repairs are carried out by a qualified electrician.

Replace a damaged plug with a BS1363/A 13 Amp 3 pin plug. If in doubt contact a qualified electrician.

  - A) Connect the GREEN/YELLOW earth wire to the earth terminal 'E'.
  - B) Connect the BROWN live wire to the live terminal 'L'.
  - C) Connect the BLUE neutral wire to the neutral terminal 'N'.

Ensure that the cable outer sheath extends inside the cable restraint and that the restraint is tight. Sealey recommend that repairs are carried out by a qualified electrician.

If an extension reel is used it should be fully unwound before connection. A reel with an RCD fitted is preferred since any appliance plugged into it will be protected. The cable core section is important and should be at least 1.5mm<sup>2</sup>, but to be absolutely sure that the capacity of the reel is suitable for this product and for others which may be used in the other output sockets, we recommend the use of 2.5mm<sup>2</sup> section cable. If an extension reel is to be used outdoors, ensure it is marked for outdoor use.



### 1.2. GENERAL SAFETY

- ❑ **WARNING!** Ensure Health & Safety, local authority, and general workshop practice regulations are adhered to when using this equipment.
- ✓ Familiarise yourself with the application, limitations and potential hazards of the soldering iron/gun.
- ✓ Replace or repair damaged parts. Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- ✓ Locate soldering iron/gun 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/gun clean for best and safest performance.
- ✓ Ensure there are no flammable or combustible materials near the work area.
- ✓ Wear approved safety eye protection (standard spectacles are not adequate).
- ✓ Wear appropriate protective clothing.
- ✓ Ensure the workpiece is adequately held before operating the soldering iron/gun.
- ✓ Always lay the soldering gun on its side so that the tip cannot make contact with the work surface.
- ✓ Remove excess solder from the soldering gun by wiping the tip on a damp, natural sponge.
- ✓ Ensure that when the soldering gun is put down during use that the tip is not near to or in contact with any material that may burn or melt including the product's own supply lead.
- \* **DO NOT** attempt to remove excess solder from the soldering iron/gun by shaking it. Hot solder may become airborne and land on your 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.
- \* **WARNING!** Disconnect the soldering gun from the mains power and allow it to cool before changing tips.
- \* **DO NOT** operate the soldering gun when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- \* **DO NOT** leave a hot soldering gun unattended.

- x If you are leaving the work area even for a short period of time switch gun off and allow to cool.
- x **DO NOT** use the soldering gun for any purpose other than that for which it has been designed.
- x **DO NOT** allow untrained persons to operate the soldering gun.
- x **DO NOT** touch the workpiece as it will be very hot. Allow to cool.
- x **DO NOT** operate the soldering gun if damaged.
- x **DO NOT** hold the workpiece by hand.
- x **DO NOT** allow children to operate the soldering gun.

## 2. INTRODUCTION

Pistol type, instant heat soldering gun with trigger control and illumination. Supplied with 1.5mtr cable and 230V/13Amp plug fitted with 3 amp fuse. Supplied with a 10g coil of general purpose solder and a spare tip.

## 3. SPECIFICATION

Model No: ..... SD200  
 Replacement Tips:: ..... (Card of 2) SD02  
 Power Rating: .....100W

## 4. OPERATION

**NOTE:** The 100 Watt soldering gun is primarily intended for electrical and electronic use. Its main advantage is the ability to heat up within 20 seconds of pressing the trigger. The tip temperature will reach 300°C so care must be taken with delicate electronic components that may be damaged if excessively heated.

- 4.1. **DUTY CYCLE.** The gun has a duty cycle of 12 seconds continuous soldering which should be followed by a 48 second rest. If the trigger is held for less than 12 seconds the necessary rest period needed will be correspondingly less.
- WARNING! DO NOT** try to lock the trigger by any means as this will overheat the tip and the transformer causing permanent damage and will invalidate your guarantee.
- 4.2. **PREPARING THE GUN.** Prepare the gun by 'tinning' the tip with a thin layer of solder. If any difficulty is experienced getting the solder to take to the tip use a proprietary tip tinner/cleaner.
- 4.3. **HOLDING/PREPARING THE WORK.** Ensure that the items to be joined are clean and securely held together. Where possible a good joint will be more easily obtained if the items to be joined are tinned separately first.
- 4.4. **SOLDERING.** Press and hold the trigger for approximately 20 seconds to get the tip to full temperature. Bring the tip of the gun and the solder to the joint simultaneously. Leave the iron on the joint just long enough to melt the solder so that it flows onto the two parts to be joined. Remove the gun and release the trigger. Leave the joint to cool. When the gun is not in use, but still hot, ensure that when it is put down the tip is not touching, or close to, any material that will melt or is inflammable.
- 4.5. **CHANGING TIPS.** Disconnect the gun from the mains and wait until the gun is completely cold. Loosen the two screws holding the tip. Remove the tip and insert the new one. Tighten the screws. If the old tip is difficult to remove, grip it with a pair of pliers and pull it out. **DO NOT** use pliers to insert the new tip as the plating may be damaged.

## 5. MAINTENANCE

- x **DO NOT** allow solder to accumulate where the tip enters the gun as this may make the tip difficult to remove.
  - x **DO NOT** get solder deposits on the tip retaining screws as this may prevent a screwdriver fitting into the cross head.
- 5.1. Periodically, use a proprietary tip cleaner/tinner to keep the gun clean and correctly tinned.
- 5.2. Spare tips for gun: - Model No. SD02 (Card of two).

Parts support is available for this product. Please log on to  
[www.sealey.co.uk](http://www.sealey.co.uk), email [sales@sealey.co.uk](mailto:sales@sealey.co.uk) or telephone 01284 757500



### 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.

**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 product.

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

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