

# DRAPER®

## INSTRUCTIONS FOR **230V Soldering Kit**

Stock No.71421

Part No.SK1

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY TO ENSURE THE SAFE AND EFFECTIVE USE OF THIS PRODUCT.



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DRAPER®

### GENERAL INFORMATION

These instructions accompanying the product are the original instructions. This document is part of the product, keep it for the life of the product passing it on to any subsequent holder of the product. Read all these instructions before assembling, operating or maintaining this product.

This manual has been compiled by Draper Tools describing the purpose for which the product has been designed, and contains all the necessary information to ensure its correct and safe use. By following all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the product itself.

All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the product.

Whilst every effort has been made to ensure the accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.

30 Watt Soldering Iron  
100 Watt Soldering Gun  
Soldering Gun Tip  
Tube of Solder  
Tweezers  
Soldering Iron Stand  
Flux  
Solder Sucker  
Workpiece Clamp

We  
Draper Tools Ltd.  
Hursley Road,  
Chandler's Ford,  
Eastleigh,  
Hampshire.  
SO53 1YF.  
England.

Declare under our sole responsibility that the product:

Stock No:- **71421.**

Part No:- **SK1.**

Description:- **Solder Gun and Iron Kit.**

To which this declaration relates is in conformity with the following directive(s) 73/23/EEC

With reference to: EN60335-1 & EN60335-2-45



J.N. DRAPER  
Chairman

27/02/03

## GENERAL SAFETY INSTRUCTIONS

Before using the soldering iron/gun check to ensure nothing is missing, broken or dangerous. Do not leave the soldering iron/gun unattended or in the reach of children. If the soldering iron/gun is not to be used for a prolonged period, unplug it from the mains supply. Do not put the hot soldering iron/gun down on any delicate or flammable surfaces. Never use the soldering iron/gun outside in the rain. Never dismantle the soldering iron/gun. Return the soldering iron/gun to your local stockist. Do not let foreign objects enter the soldering gun as this may cause internal damage.

## INSTRUCTIONS FOR USE

The duration the trigger is pulled determines the soldering temperature. Do not operate the trigger for a long period during soldering. To achieve a constant temperature, pull the trigger for no longer than 12 seconds and release for no longer than 48 seconds. When the trigger is released the temperature will reduce automatically, when the trigger is pulled the temperature will rise quickly. Constant temperature will provide an optimum soldering condition and optimum service life of the gun. Objects to be soldered must be clean. Conductors should be cleaned with steel wool or fine sandpaper. Before soldering for the first time the tips should be tinned using a cored solder or flux until the tip is fully coated with solder. Be sure tips are tinned before commencing to solder. Occasional re-tinning will ensure good solder connections. Apply tip to the work, then apply solder to the work at the point of tip contact. Remove the tip from the work. Molten solder must cool undisturbed. Blowing on solder speeds setting. Do not use more solder than necessary. Use just enough to make a good connection. Use resin core solder for radio and electrical connections. Use acid core solder only where flux residue may be washed and cleaned away. Acid core solder is mainly used for mechanical connections and rarely used for electrical connections. After using with acid core, clean soldering iron tip thoroughly.

## MAINTENANCE

**NOTE:** Remove the plug from the socket before carrying out adjustment, servicing or maintenance.

Allow to cool before touching.

### **REPLACING THE SOLDERING GUN TIP:**

Loosen both the knurled connectors and pull out the tip. Insert the replacement through the connectors, into the gun and tighten connectors to secure.

### **REPLACE THE SOLDERING IRON TIP:**

Loosen the screw and pull out the tip. Insert the replacement and tighten screw to secure.

- **DRAPER TOOLS LIMITED,**  
Hursley Road, Chandler's Ford,  
Eastleigh, Hampshire. SO53 1YF. U.K.
  
- **Helpline:** (023) 8049 4344
- **Sales Desk:** (023) 8049 4333
- **Internet:** [www.draper.co.uk](http://www.draper.co.uk)
- **E-mail:** [sales@drapertools.com](mailto:sales@drapertools.com)
- **Sales Fax:** (023) 8049 4209
- **General Enquiries:** (023) 8026 6355
  
- **Service/Warranty Repair Agent**  
For aftersales servicing or warranty repairs, please  
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