

# Circuit Specialists

# CSI853B

## Preheating Platform



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## GENERAL DESCRIPTION

The 853B preheating platform provides a suitable low cost solution to assist users soldering and de-soldering BFA, SOIC, CHIP, QFP, PLCC style surface mount integrated circuits. Fabricated using anti static design, it implements a ceramic heating element characterized by high heating efficiency and long service life. This unit implements microcomputer controlled closed loop PID programmable temperature control technology. The program cycles every 20 milliseconds to detect the actual temperature of the heating element allowing for quick correction/rapid recovery to the set temperature.

The unit is easy to operate with a simple front panel LED temperature display and sliding card bracket to conveniently move the board over the heating panel. Tightening thumbscrews are included to set the rails in a fixed position depending on the size and orientation of the board being worked on.

### BASIC INSTRUCTIONS:

- 1: Attach system to AC power.
- 2: Turn unit power switch to on position.
- 3: Push the small red button on the front panel so it is in the “extended” position.
- 4: Carefully use the rotary knob next to the red button to dial or set your temperature. This LED display will show you the set point in degrees Celsius.
- 5: After you have dialed in your desired temperature, push the red button again and place it into the non extended position.

Now your display will show you the temperature as it is being sensed at the heating element. It will climb to the highest temperature you dialed in while in the set position. To change the temperature, return to the set position.(note: Due to the mass of the ceramic heating component, temperature change is relatively slow. This is a normal characteristic of this preheating platform.)

The PCB rails are adjustable and four thumb screws are included to easily fix the rails into the optimum position for the PCB's being worked on.

## **Basic Specifications:**

- VAC input: 110VAC +/- 10% for units sold from Circuit Specialists USA
- VAC input: 220VAC +/- 10% for units sold from Circuit Specialists Europe
- Max Power: 500 watts
- Dimensions: 220mm(W) x 73mm(H) x 247mm(D)
- Weight: 3.0Kg
- Heating Element: Ceramic
- Temperature Range: 50-400 deg C (122-752 deg F) Displays in Celsius only
- Temperature Stability: +/- 2%
- Display Type: LED
- Heating Element area 120mm x 120 mm ( approximately 5" x 5")

## **Limited Warranty Statement**

This product has a limited warranty of 1 year from the date of the original purchase receipt. Excluded from this warranty are any consumables such as heating elements which eventually self consume given enough use. Should the main body fail during the warranty period, Circuit Specialists will, at it's option repair or replace the damaged unit. This warranty applies only to manufacturing defects. Damage caused by misuse, physical trauma etc is excluded. To receive warranty service, the unit must be returned to the point of purchase. The end user will be responsible for the shipping costs (if any) while Circuit Specialists will be responsible for the return shipping costs. Please check with your respective retailer for appropriate Return Authorization Procedures.

for customers living in the USA



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