



勝特力材料 886-3-5753170

勝特力电子(上海) 86-21-34970699

勝特力电子(深圳) 86-755-83298787

[Http://www.100y.com.tw](http://www.100y.com.tw)

CONTROL UNIT

BD

We appreciate the trust you have placed in JBC in purchasing this station. It is manufactured to the strictest quality standards in order to give you the best possible service. Before turning on your station, we recommend you read these instructions carefully.

You have purchased a **BD Control Unit**.

In order to complete the Control Unit you need the handpiece and corresponding cartridges.



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- ① Connect the handpiece.
- ② Insert the cartridge and put the handpiece in the stand.
- ③ Connect the mains lead and switch "ON".

INTRODUCING JBC TECHNOLOGY

The exclusive JBC heating system achieves an exceptional thermal recovery, which increases productivity, quality, reduces cost of ownership and ensures fast return on investment.

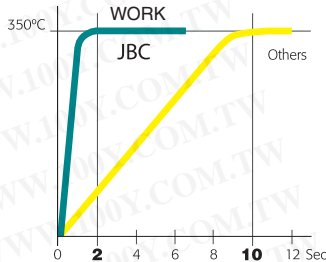
Unequalled thermal response

An excellent soldering tool features instant thermal response conceived by a high power/mass ratio. A high power/mass ratio is being used to maintain the tip's temperature as close as possible to the one selected on the control unit, even when the thermal load is significant. This is the formula needed to perform high quality solderjoints and avoid cold ones, protect the PCB that is being soldered and increase productivity.

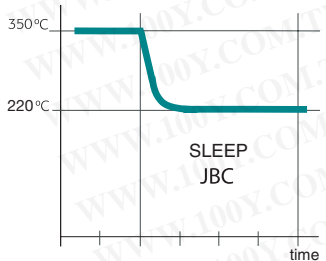
INTELLIGENT HEAT MANAGEMENT

The only time that a soldering tool should be at working temperature is when it is actually being used. JBC stations identify if and how a tool is being used and depending on this switches the tool to one of the following modes with their respective temperatures:

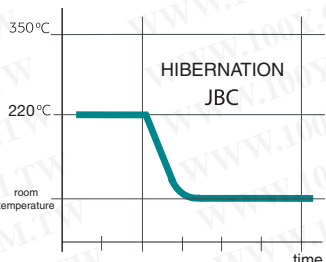
- **Work mode:** selected working temperature i.e. 350°C.



- **Sleep mode:** during short periods of inactivity the tool's temperature is being lowered to an intermediate temperature i.e. 220°C.



- **Hibernation mode:** During larger periods of inactivity i.e. 30 minutes, the tool's power is being cut off and it cools down to room temperature.



BD SOLDERING STATION

Design for general soldering.

BD-2BA 230V

BD-1BA 120V

Included:

- Control Unit
- Handpiece T245
- Cartridge C245-003
- Cartridge C245-007

BD-2SA 230V

BD-1SA 120V

Included:

- Control Unit
- Handpiece T210
- Cartridge C210-001
- Cartridge C210-008

Technical specifications

- Temperature selection from 90 to 450°C or 190 to 840°F (±5%).
- Power: 75W.
- Safety transformer, mains separator and double isolation, with integrated temperature protection fuse.
- Input: 230V 50Hz. Output: 24V
- Input: 120V 60Hz. Output: 24V
- Total weight of unit: 2.6 Kgs (6,5lbs).
- Complies with CE standards on electrical safety, electromagnetic compatibility and antistatic protection.
- RoHS compliant.
- Equipotential connector and the tool tip are connected to station mains ground supply for ESD protection.



This product should not be thrown in the garbage.

If you would like to change the SLEEP and HIBERNATION parameters, as any other function, see page 13.

The advantages of this heat management are significantly increased cartridge lifespan and substantial energy savings which ensures low cost of ownership.

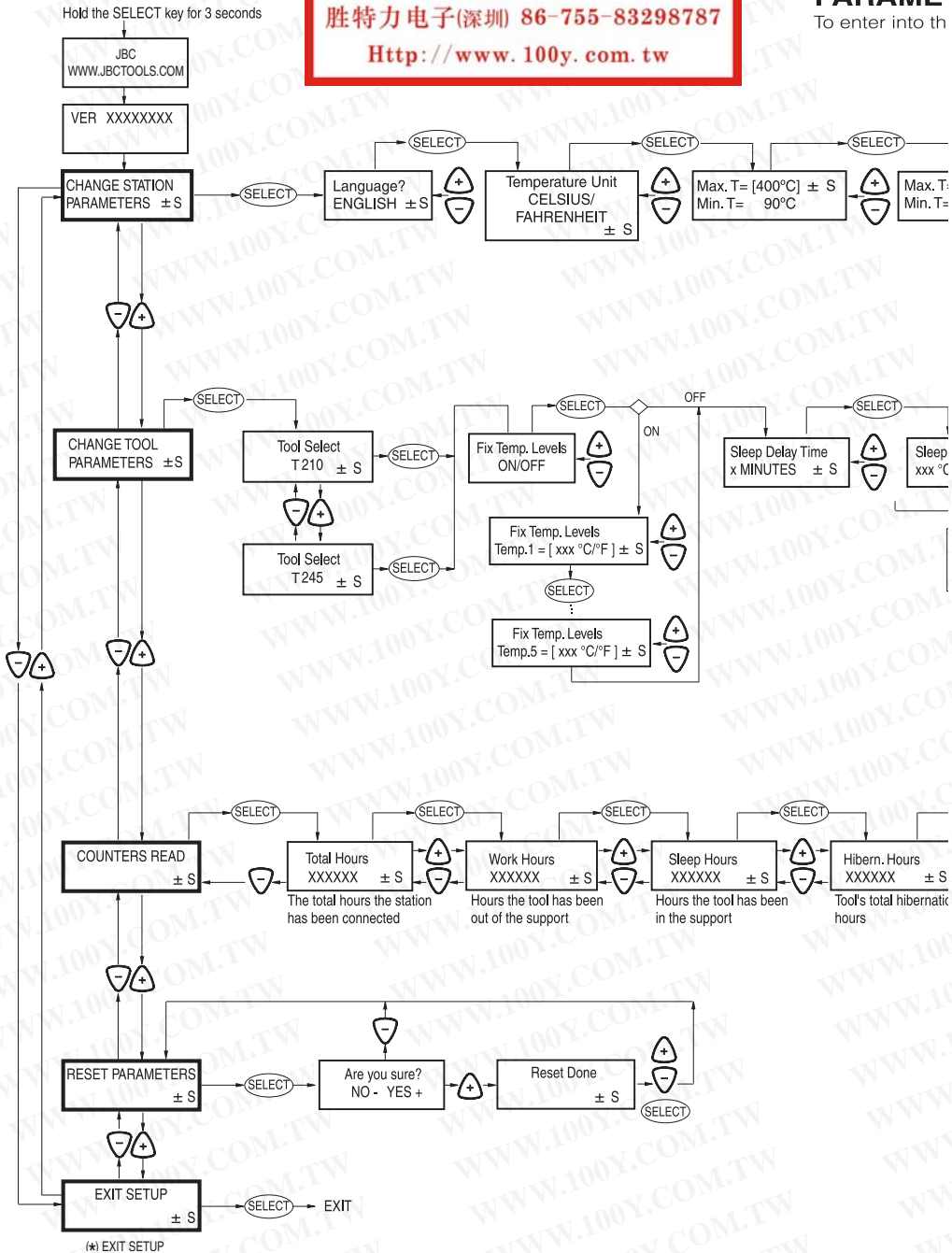
JBC Tools save money by managing Heat efficiently saving energy, time and improving processes.

You will find all the information about BD soldering station in our web site: <http://www.jbctools.com>

JBC reserves the right to make technical changes without prior notification.

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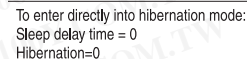
PARAMETER
 To enter into the



is mode, you must hold the SELECT key for 3 seconds.

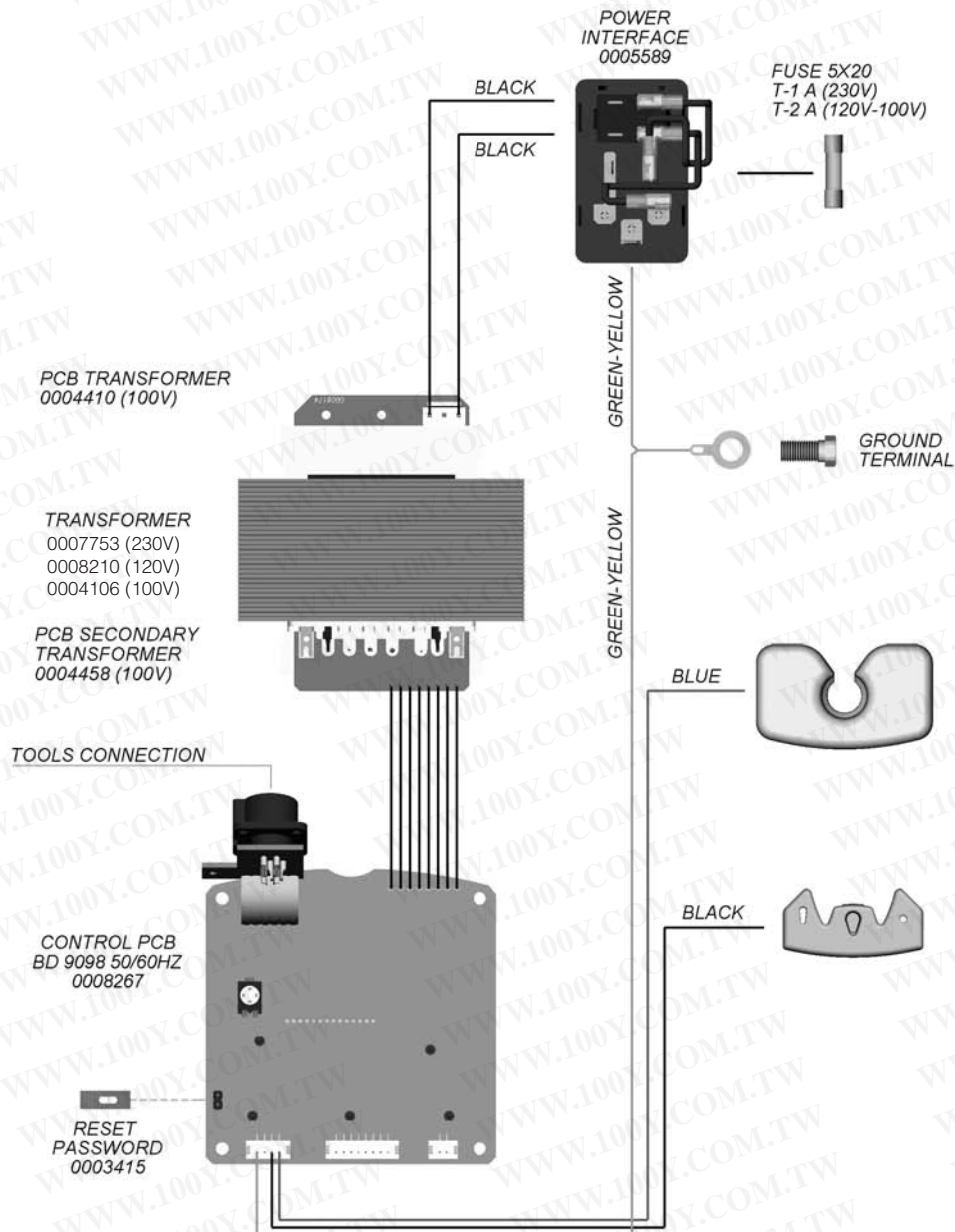
```

graph LR
    Temp["= 400°C  
: [ 90°C] ± S"] --> S1((SELECT))
    S1 -- NO --> S3((SELECT))
    S1 -- YES --> PIN1["Change PIN  
NO/YES ± S  
Default PIN number: 0105."]
    PIN1 --> S2((SELECT))
    S2 -- YES --> PIN2["New PIN  
[1] 1 1 ± S"]
    S2 -- NO --> S3
    PIN2 --> S3
    S3 -- YES --> S4["Save changes?  
NO - YES +"]
    S3 -- NO --> Exit1((EXIT SETUP))
    S4 -- NO --> Exit1
    S4 -- YES --> Exit2((EXIT SETUP))
    
```



The PIN number must be entered when you need to change a station parameter.
Default PIN number: 0105.

ELECTRIC WIRING DIAGRAM



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 230V / 120V / 100V

