DIC SOLDERING SYSTEM

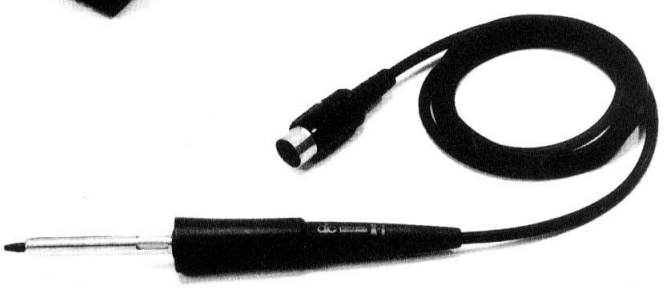
SS-8100 & SS-8100D

Operation Manual

SS-8100

SS-8100D
with digital indication

Iron : K-1
pencil type
for precision



DEN-ON INSTRUMENTS CO., LTD.

ULTRA COMPACT SOLDERING SYSTEM SS-8100 & SS-8100D

Thank you for purchasing the DIC soldering system.
DIC SS-8100 & SS-8100D have been specifically designed to cope with high density PCB's and SMD's. To get full benefit of all the features of this unit, familialize yourself with this manual.

Fig.1. SS-8100

Control Unit

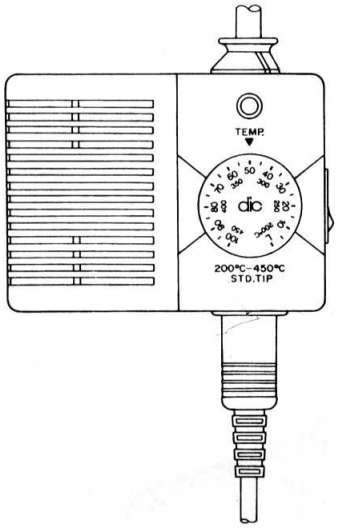
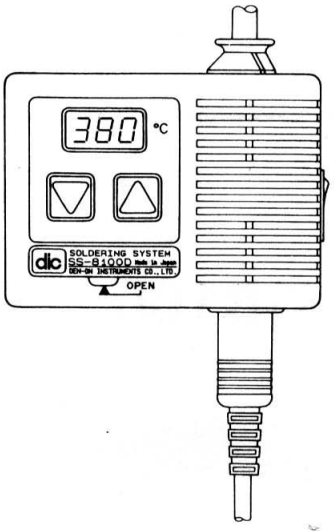


Fig.2. SS-8100D

Control Unit



1. Specification

• Control unit

①	**Voltage**	100V, 120V, 230VAC
②	**Power consumption**	90W
③	**Temperature range**	200℃－450℃
④	**Dimensions**	94mm wide x 69mm long x 80(88)mm high
	Net weight	1,150(1,160)g
⑤	**Main power cord**	1.5m long

※The value of ( ) is for SS-8100D

• Soldering iron

①	**Heater**	24V Ceramic, 200W for Initial imput. 22W for stabillized consumption.
②	**ESD**	Silicone covered 3 wire grounded cord.
③	**Insulation resistance**	Over 100MQ
④	**Dimensions & net weight**	
		K-1 type 173mm long x 18mm dia. 23g
		K-2 type 201mm long x 20mm dia. 33g

* The value above is without cord
* Dia. is at the Grip portion

Note

1) The indicator light of SS-8100 will activate with heating, and will flash when the set temperature is reached.
2) The digital indicator of SS-8100D shows the real temperature.

2. Temperature setting

1) **SS-8100**

Set the temperature with the control dial in Fig.1.
The temperature on the graduated calibration shows approximate values for the standard tip (Code No.81-01-01)

SS-8100D

Set the temperature by pushing the up-down key in Fig.2.
At shipment it is preset at 380℃. To revise the preset temperature, open the seal. There are two VR underneath the seal, one for "PRESET" and the other for "CAL"(Calibration). Please adjust the VR "PRESET" with a + screw driver(#1). By turning it clockwise, the temperature will go up.

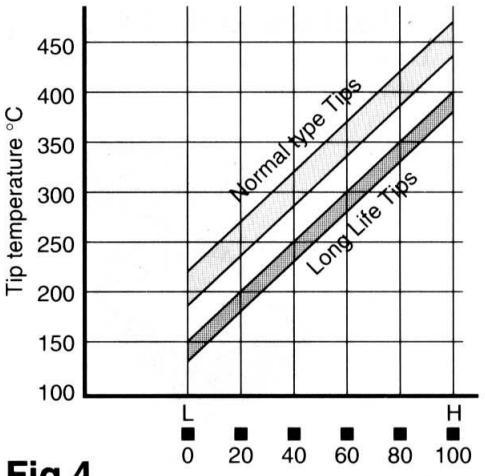
2) The tip temperature will vary according to the tip size.
Refer Fig.3 Temperature correction chart. Use a thermometer to set the accurate tip temperature.

3. Correction of Temperature

SS - 8I00 : Remove the conrol knob in Fi8.1.
And correct the VR on the PCB.
Use a thermometer for the temperature measurement.

SS - 8100D : 0pen the seal in Fig.2.
And correct the VR "CAL"
with a screw driver (# 1).
By turning it clockwise,
the temperature will go up.
Use a thermometer for the temperature measurement.

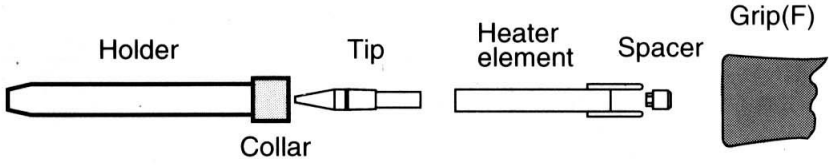
Fig.3. Temperature correction chart



4. Changing of tip and heater element. Please find Fig.4.

1) To change the tip, loosen the knurled collar and remove the holder.
Pull the element to remove. Do not twist the element

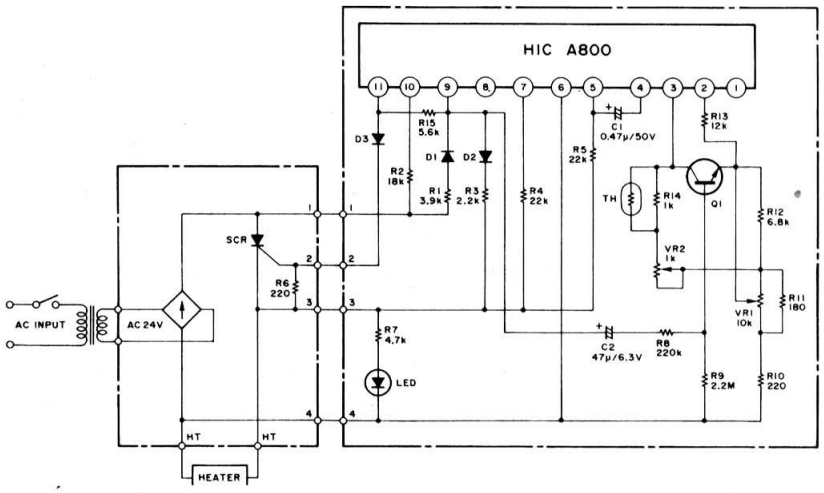
Fig.4



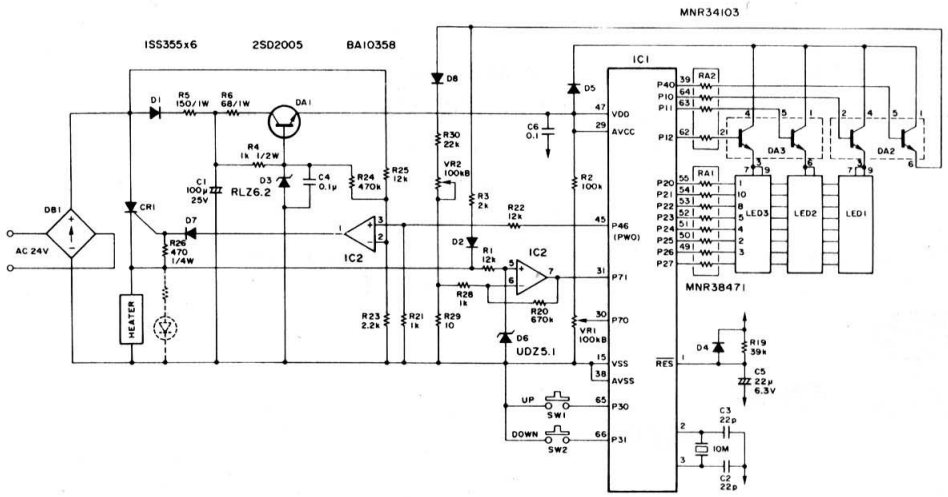
2) The tempelature setting position may change when the heater element is replaced.
Please check the temperature for accuracy with a thermometer.

5. Circuit diagram

SS-8100



SS-8100D

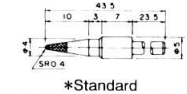
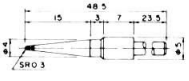
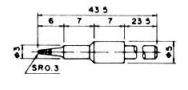
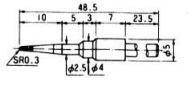
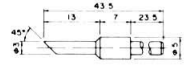
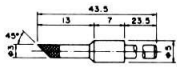
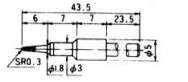
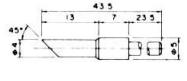
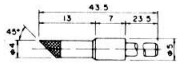
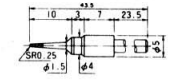
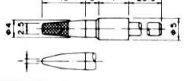
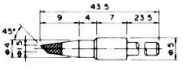


6. Option

＊Tool Stand ST-2A (Code No.83-30-00)
Usage of the tool stand will increase the life of the iron with ESD safe.

＊Soldering Iron K-2
Suitable for continuous high temperature service on large components.

＊Optional tip

NORMAL TYPE (Fe500μ)			LONG LIFE TIP (PWB)
 ＊Standard	81-01-01 (4B)	81-01-06 (1.5D)	
	81-01-02 (4BL)	 81-01-07 (1.8B)	 81-01-21
	81-01-03 (3C)	 81-01-08 (3C5)	 81-01-22
	81-01-04 (4C)	 81-01-09 (4C5)	 81-01-23
	81-01-05 (2.5D)	 81-01-11 (1.5BCL)	

＊Special order made will be arranged at request.

7. Caution

1) This tool must be placed on it's stand when not in use.
2) If the supply cord is damaged, it must be replaced by the manufacturer or it's service agent or a similarly qualified person in order to avoid any risk.

Specification, designs and prices are subject to change without notice.

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