

INSTRUCTION MANUAL

Model GW-LD

Little Dipper™ Solder Pot

SERIAL NO. _____



Gold-Wave™

The Finest in Equipment for the Electronics Industry

WARNING! DO NOT TURN UNIT ON UNTIL SOLDER IS FILLED USING THE PROCEDURE DESCRIBED BELOW. TURNING UNIT ON WITHOUT SOLDER MAY RESULT IN PREMATURE FAILURE OF THE HEATER ELEMENTS.

I. INITIAL FILLING WITH SOLDER:

- A. Neatly arrange solder pellets, chunks or bars on bottom surface of solder pot so that as much of the bottom surface of the pot is contacting solder. Use care not to disturb or damage the thermocouple tube located at the corner of the pot.
- B. Level the unit by using 4 jacking feet
- C. Next, connect the line cord plug into an appropriate 115 volt, 20 amp receptacle*.
- D. Toggle the rocker switch up to the ON position.
- E. Press and hold the FUNCTION key (square key) of the temperature controller to display the SET temperature.
- F. While holding the FUNCTION key (square key), you may press the UP or DOWN keys to change the SET value to the desired temperature. When all keys are released, the ACTUAL temperature will be displayed. Temperatures are always displayed in degrees Celsius.

Please note that for standard eutectic solder (Sn63/Pb37) the recommended operating temperature is normally 250° to 260°, Celsius.

- G. As it melts, add more solder as needed until the level reaches approximately 1/4 in (7 mm) from the top edge of the pot. A total of approximately 50 lbs. (23 Kg.) of solder is required for initial fill.

*220/240 volt, 10 amp units also available.

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II. USING THE SOLDER POT:

- A. Turn rocker switch to ON position and set controller to desired temperature as outlined above.
- B. During use, solder is depleted from the pot. Add solder bars to the pot as needed to maintain the proper level. A layer of oxidized solder commonly known as "Solder dross" is created on the molten solder surface. This dross has the appearance of a dull film. You may remove this dross carefully with a stainless steel spoon or scraper.
- C. When finished using, always turn rocker switch down to OFF position.

III TO CLEAN THE SOLDER POT:

- A. first allow the unit to completely cool.
- B. Wipe the external surfaces using a soft, damp cloth. Your solder pot is made from high grade stainless steel. This material provides for a solder repellent surface with superior heat and corrosion resistance and makes cleaning easier

IV. PARTS LIST:

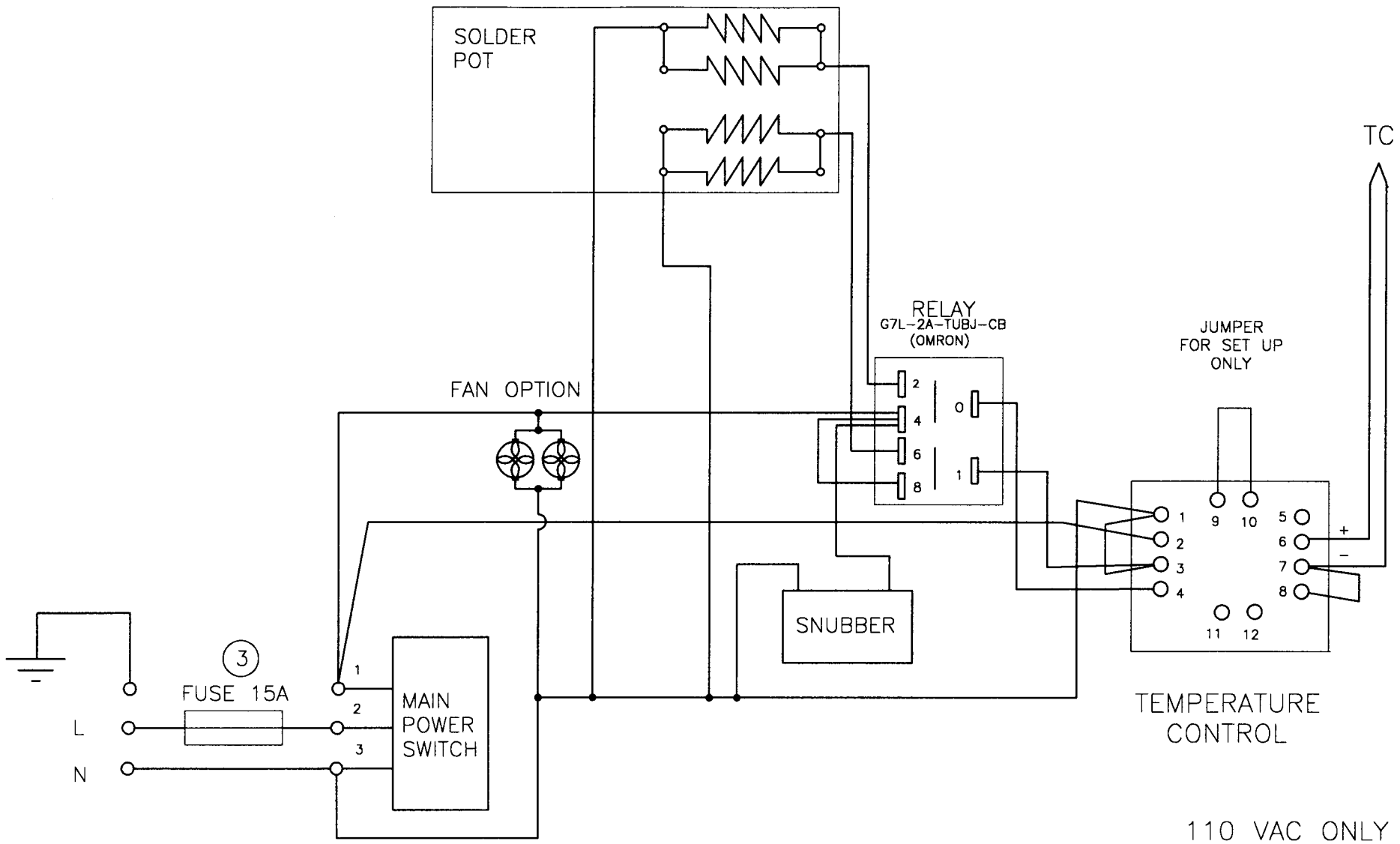
1. heating element
2. thermocouple
3. temperature controller
4. relay
5. solder pot
6. fuse (10 amps)
7. fuse holder
8. ON/OFF switch
9. terminal block
10. cast heat-sink block

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WARNING!

Failure to read and follow the safety recommendations below may result in damage or serious injury.

- Never leave the unit unattended while in use.
- Always connect to appropriate power supply with the correct voltage and current rating.
- Always use a properly grounded receptacle.
- When in use, the solder, as well as other surfaces, are HOT! Avoid contact.
- Remember, the hot surfaces remain hot for a long time after use. Avoid contact!
- Never use the solder pot in any application for which it is not intended.
- Always use temperature resistant gloves, a fire retardant smock and protective eyewear to avoid risk of injury or burns.
- Never operate the unit with insufficient solder.
- Never operate the unit if the thermocouple tube is not in its proper position or if it appears damaged.
- An appropriate fire extinguisher device should always be kept within reach of this unit.



110 VAC ONLY

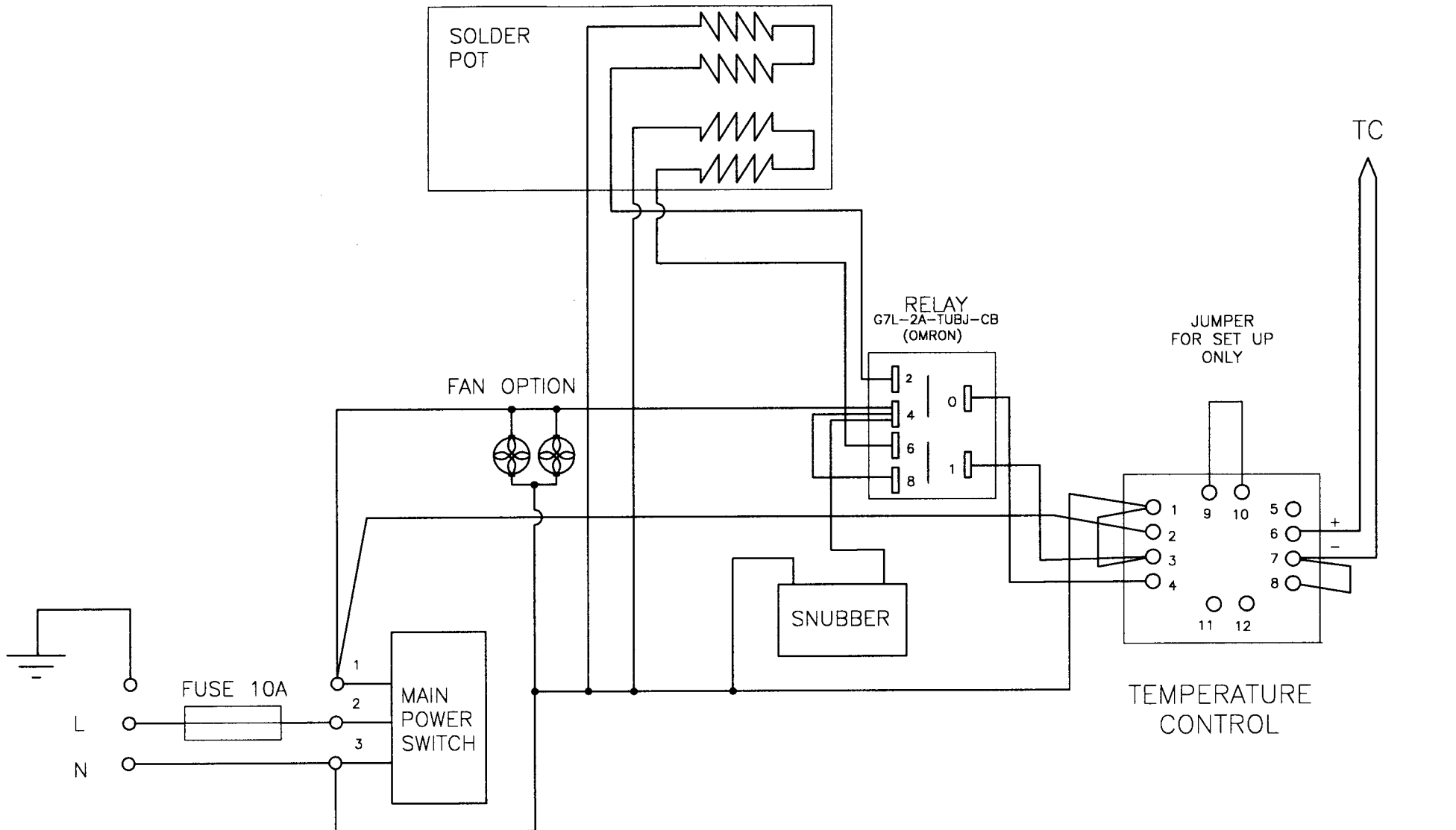
3	15A FUSE WAS 10A	4-27-04	JWK/JG
2	CREATED SHEET 1 & 2	4-12-04	JWK/JW
1	REDRAWN TO MEET NEW REQUIREMENTS	5-10-02	YL/VK
-	INITIAL RELEASE	2-1-02	YL/AS
REV	DESCRIPTION	DATE	BY
R E V I S I O N S			

LD	C-0268	A-4215			
MODEL No.	ASSEMBLY No.	PARTS LIST No.	ITEM No.	PCS./ASSY.	

TOLERANCES UNLESS OTHERWISE SPECIFIED:
 FRACTIONAL ± 1/64
 DECIMAL ± .005
 ANGULAR ± 1/2°
 BREAK ALL SHARP EDGES.

DRAWN: YL 11-15-01
 CHECKED: JG 12-21-01

WIRING DIAGRAM 110 VAC		
MATERIAL:	DWG.No.	REV.
	A-4358-1	3
SCALE:	SHEET 1 OF 2	



208/240 VAC ONLY

REV	DESCRIPTION	DATE	BY
3	SEE SHEET 1	4-27-04	JWK/JG
2	CREATED SHEET 1 & 2	4-12-04	JWK/JW
1	REDRAWN TO MEET NEW REQUIREMENTS	5-10-02	YL/VK
-	INITIAL RELEASE	2-1-02	YL/AS

R E V I S I O N S

MODEL No.	ASSEMBLY No.	PARTS LIST No.	ITEM No.	PCS./ASSY.
LD	C-0268	A-4215		

TOLERANCES UNLESS OTHERWISE SPECIFIED:
 FRACTIONAL ± 1/64
 DECIMAL ± .005
 ANGULAR ± 1/2'
 BREAK ALL SHARP EDGES.

DRAWN: YL 11-15-01
 CHECKED: JG 12-21-01

WIRING DIAGRAM 208/240 VAC		
MATERIAL:	DWG.No.	REV.
	A-4358-2	3
SCALE:	SHEET 2 OF 2	