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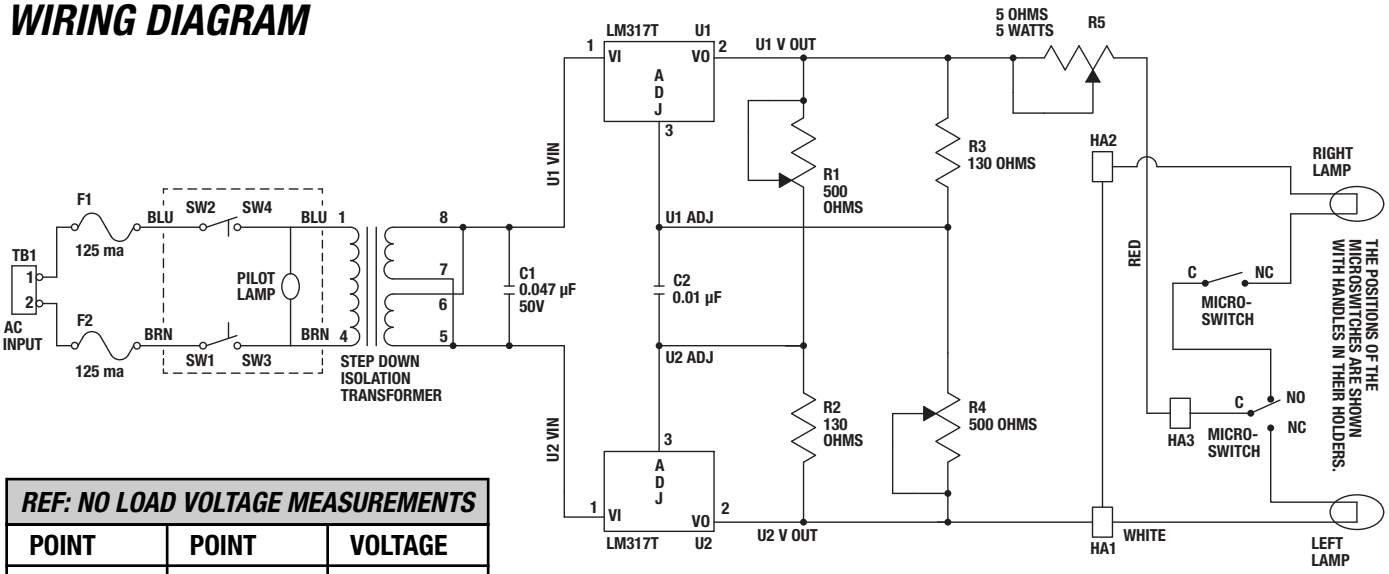
WAB001
POWER SUPPLY BOARD (3.5V)

WIRING DIAGRAM



REF: NO LOAD VOLTAGE MEASUREMENTS		
POINT	**POINT**	**VOLTAGE**
U1 PIN 1	U2 PIN 1	9 VAC
HA2	HA3	3.7 VAC
HA1	HA3	3.7 VAC

CALIBRATION INSTRUCTIONS

AC Volts and DC Volts Offset Adjustments for 74710 Solid State Wall Transformer with Green Rocker Switch

1. Set a voltmeter to the AC voltage range and attach test leads to the Power Supply Board terminals HA2 and HA3. **Do not** disconnect the white wire connected to HA2 and the red wire connected to HA3.

2. ***Read this step completely and carefully before proceeding.*** On the Power Supply Board, locate the R1 and R4 potentiometers. Adjust R1 and R4 so that the voltage across terminals HA2 and HA3 is between 3.70 and 3.75 Volts AC. While adjusting R1 and R4 there must be a light head with a functional bulb on one of the handles and the front panel brightness control must be turned all the way up (fully clockwise). Adjust R1 and R4 so that each potentiometer equally adjusts half the desired adjustment value. For example, if the desired adjustment is 600 millivolts, adjust R1 to change the output 300 millivolts and adjust R4 to change the output the remaining 300 millivolts.

3. Once the desired AC voltage output is obtained, switch the voltmeter to the DC voltage range.

4. If the DC offset voltage is 100 millivolts (.100 VDC) or less, remove voltmeter and reassemble - no further adjustment is necessary. If the measured DC offset voltage is greater than 100 millivolts, adjust once again by splitting half of the adjustment between the R1 and R4 potentiometers.

5. Return the voltmeter to the AC voltage range and verify that the AC voltage across HA2 and HA3 did not change by more than 50 millivolts (.050 VAC). If the new reading has moved out of the calibration range (3.70 to 3.75 VAC), readjust per **Step 2.**

6. If the new reading required greater than a 100 millivolt adjustment, then repeat **Step 4.**

7. Reassemble the remaining parts and test functionality.