



Magic Gadgets

ANALOG INTERFACE ADJUSTMENTS

IMPORTANT NOTE:

THESE ADJUSTMENTS SHOULD BE MADE ONLY IF THE ANALOG INTERFACE IS NOT OPERATING PROPERLY AS CHARACTERIZED BY ONE OF THE FOLLOWING SYMPTOMS:

1. THE OUTPUT DOES NOT GO OFF EVEN WHEN THE DIMMER CONTROL IS TURNED ALL THE WAY DOWN AND THE OFF BUTTON IS PRESSED.
2. THE OUTPUT DOES NOT GO FULLY ON WHEN 10 VOLTS DC IS APPLIED TO THE INTERFACE IN THE PROPER POLARITY.
3. THE OUTPUT "JITTERS" WHEN 10 VOLTS DC IS APPLIED TO THE INTERFACE.

TOOLS REQUIRED:

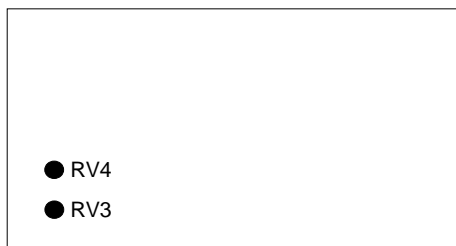
1. SMALL FLAT BLADED SCREWDRIVER.
2. STABLE, VARIABLE, DC VOLTAGE SOURCE OF 0 TO 10.5 VOLTS DC WIRED TO A 3.5MM, 2 CONDUCTOR PHONE PLUG. POLARITY= TIP NEGATIVE, SLEEVE POSITIVE.

ADJUSTMENT PROCEDURE:

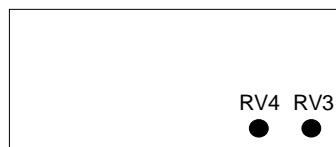
1. CONNECT A LAMP OF THE MAXIMUM RATED LOAD TO THE OUTPUT. AN AC VOLTAGE METER IN PARALLEL WITH THE LAMP IS HELPFUL IN MAKING PRECISE ADJUSTMENTS, THOUGH IT IS NOT NECESSARY.
 2. APPLY CORRECT VOLTAGE TO THE POWER INPUT.
 3. MAKE SURE THE DIMMER IS OPERATING THE LAMP BY TURNING THE DIMMER KNOB ALL THE WAY UP AND PRESSING THE "ON" BUTTON.
 4. TURN THE DIMMER KNOB ALL THE WAY DOWN.
 5. PRESS THE "OFF" BUTTON.
 6. APPLY 0 VOLTS DC TO THE INTERFACE.
 7. OBSERVE THE LAMP. IF THE LAMP IS NOT ALL THE WAY OFF ADJUST RV3 SLOWLY BACK AND FORTH TO OBTAIN A POINT AT WHICH THE LAMP JUST BARELY GOES ALL THE WAY OFF. *CAUTION: TOO MUCH FORCE APPLIED TO THE ADJUSTMENT CONTROLS WILL DAMAGE THEM.*
 8. APPLY 10.5 VOLTS DC TO THE INTERFACE.
 9. OBSERVE THE LAMP. ADJUST RV4 SLOWLY BACK AND FORTH TO OBTAIN A POINT AT WHICH THE LAMP JUST BARELY REACHES FULL OUTPUT. RV3 AND RV4 ARE SOMEWHAT INTERACTIVE.
- NOTE: WHEN USING A VOLTMETER, IT IS NORMAL FOR THE OUTPUT VOLTAGE TO BE SLIGHTLY LOWER THAN THE INPUT VOLTAGE DUE TO LOSSES THROUGH THE SOLID STATE POWER CONTROL DEVICE.
10. RECHECK FROM STEP 5 TO PROVIDE A RANGE FROM FULLY OFF WITH 0 VOLTS APPLIED TO THE INTERFACE TO FULLY ON WITH 10.5 VOLTS APPLIED.

ADJUSTMENTS LOCATION:

OLD 6, 12, AND 24K PRO+ DIMMERS



OLD 2 AND 3K PRO+ DIMMERS



ALL NEW TYPE PRO+ DIMMERS

