

AUTOMATIC OVP RESET CIRCUIT - MODEL OVPR-12V

OVPR-12V

When installed in a 12vdc power supply the OVPR-12V will automatically reset the power supply if the over voltage protection circuit is tripped by lightning or line transients.

INSTALLATION

Mount pc board using capacitor clamp leg screw or mount to bottom of chassis.

Solder red wire to + of large capacitor (+24VDC)

Solder black wire to - of large capacitor (GROUND)

Solder white wire to point 2 on pcb (+ 13.8 vdc).

Solder yellow wire to pin 13 of LM723.

TEST

The OVPR reset circuit may be tested by momentarily placing a 1K resistor across R7. This will raise the output voltage above 16VDC and will trigger the SCR which will clamp the output voltage.

As soon as the 1k resistor is removed the output voltage will automatically reset to 13.8VDC.

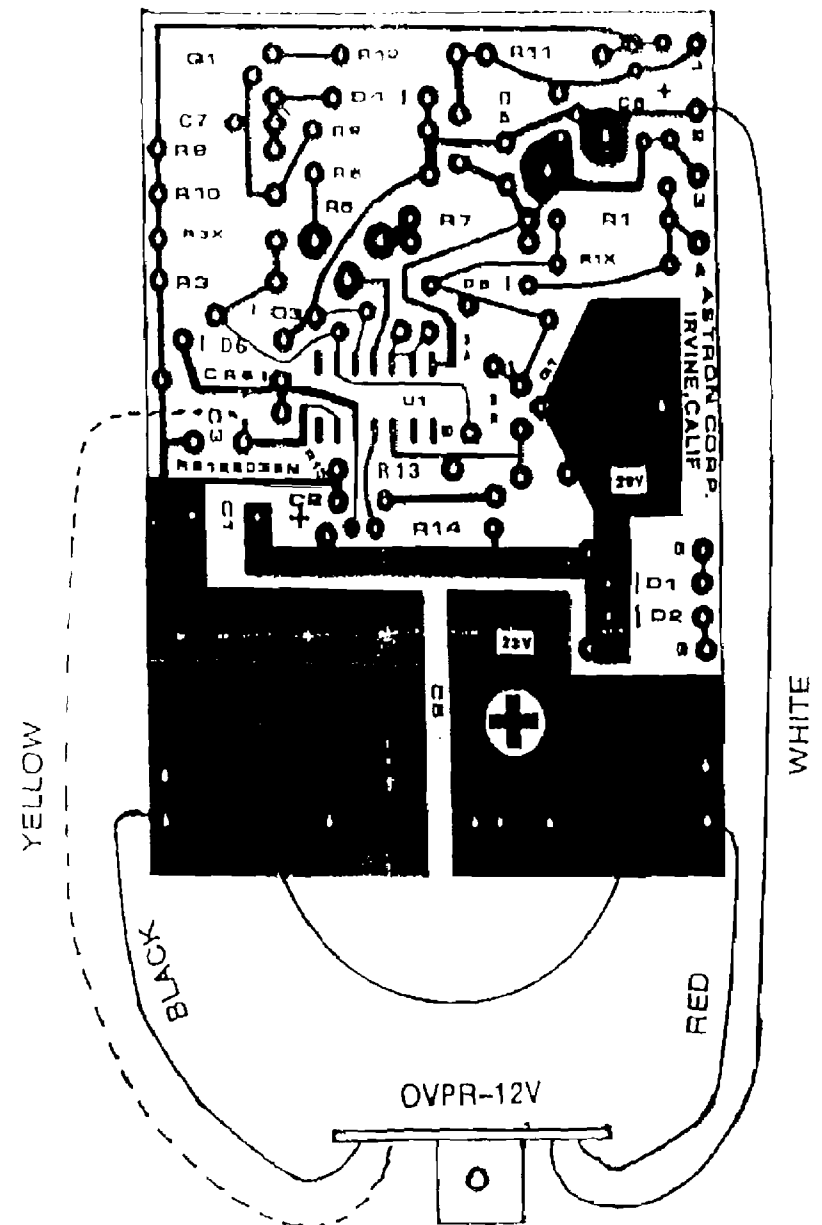


Figure 3

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