

UVR/S-TB ENERGY REGULATOR

Description:

The UVR/S-TB is a Phase Angle Power Regulator designed for single-phase 230VAC applications. It supports load currents up to a maximum of 17A and provides smooth output voltage adjustment from 0 to 98% (scale plate included). Built with a robust in-house large triac, the unit can handle high inrush currents with reliability. Installation is quick and simple using the front panel single-hole and locknut mounting system.

Key Features:

- Adjustable output range: 0–98%.
- Supports load currents up to 17A*.
- Integrated ON/OFF switch.
- Compact design for easy installation.
- High inrush current capability.

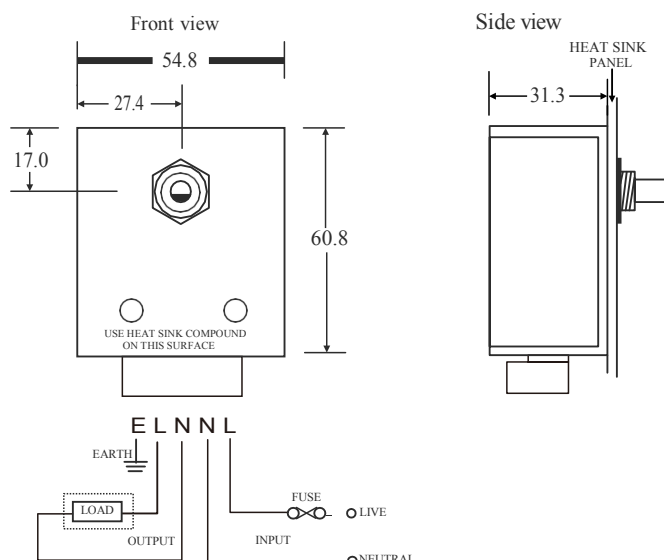
Applications:

- Quartz Lamps.
- Resistive Heating elements.
- Oven Heaters.
- Industrial Dryers.

*For load currents exceeding 5A at 70°C, an appropriate external heatsink is required.

UVR/S-TB(ENERGY REGULATOR)

Dimension & Connection Details:



“ALL DIMENSIONS ARE IN mm”

PRODUCT SPECIFICATIONS

TITLE:UVR/S-TB ENERGY REGULATOR

STAGE	CHARACTERISTICS	UNITS	SPECIFICATION VALUE
INPUT	INPUT METHOD		POT WITH ON/OFF SWITCH
O U T P U T	LOAD VOLTAGE	VAC	230
	RA TED LOAD CURRENT	Amps	17
	DEVICED USED RATING	Amps	40
	MAX.LOAD AT 20°C AMBIENT (WITHOUT EXTRA HEAT SINK)	A	10
	MAX.LOAD AT 20°C AMBIENT (WITH EXTRNAL HEAT SINK)	A	17
	SWITCHING DEVICE		TRIAC
	MAX.OFF STATE LEAKAGE CURRENT (RMS)	mA	10.0
	MAX.ON STATE VOLTAGE DROP	VAC	3.5
	MINIMUM LOAD CURRENT TO MAINTAIN'ON'	mA	80
	SURGE CURRENT PEAK(ITSM) @tp= 1 Om sec & Tj = 2 5°C	A	250
	TRANSIENT PROTECTION(Static dv/dt not to exceed blocking	V/uSec	250
	BLOCKING VOLTAGE (PEAK-VDRM)	VAC	800
	STORAGE TEMPERATURE	°C	-40 to+ 100

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