

# TEMPERATURE CONTROL

UVR/S-17A



# UVR/S-17A

## Installation & Operating Instructions

# UVR/S-17A (ENERGY REGULATOR)

### Description:

This is a Phase Angle Power Regulator, designed for single-phase 230VAC. The load current can be up to a maximum of 17A. The module gives full adjustment of the output voltage from 0 to 98% of the load (scale plate included). An in-house large triac enables the unit to handle high inrush currents. Easy front panel mounting via a single hole and locknut arrangement.

### Salient Features:

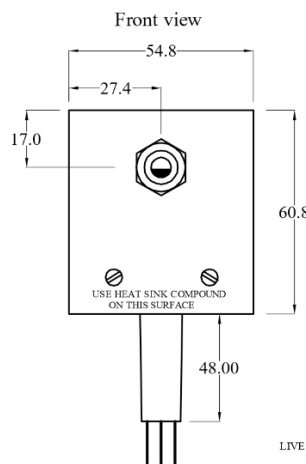
- Output Variable from 0 to 98%.
- Load Current Up to 17A\*.
- ON/OFF Switch included.
- Easy installation.

### Applications:

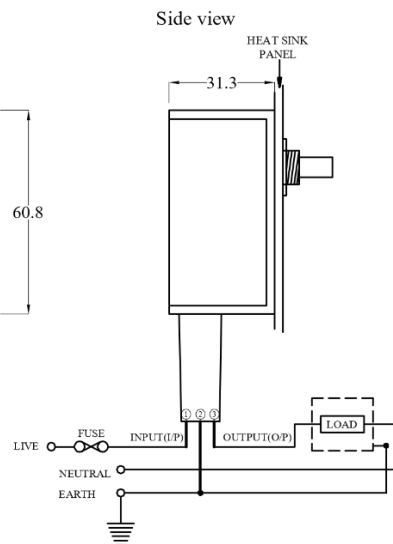
- Quartz Lamps.
- Resistive Heating elements.
- Oven Heaters.
- Industrial Dryers.

\* If Load current is more than 5A@70°C, then suitable external heat sink is necessary.

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### Dimension & Connection Details:



### NOTE :

- |                                |                 |
|--------------------------------|-----------------|
| 1 - BROWN COLOUR WIRE          | - LIVE.         |
| 2 - YELLOW / GREEN COLOUR WIRE | - EARTH.        |
| 3 - BLUE COLOUR WIRE           | - OUTPUT (O/P). |

"ALL DIMENSIONS ARE IN mm"

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<b>PRODUCT SPECIFICATIONS</b>			
<b>TITLE: UVR/S-17A (ENERGY REGULATOR)</b>			
<b>STAGE</b>	<b>CHARACTERISTICS</b>	<b>UNITS</b>	<b>SPECIFICATION VALUE</b>
<b>INPUT</b>	INPUT METHOD	--	POT WITH ON/OFF SWITCH
<b>OUTPUT</b>	LOAD VOLTAGE	VAC	230
	RATED 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 (RMS)	VAC	3.5
	MINIMUM LOAD CURRENT TO MAINTAIN 'ON'	mA	80
	SURGE CURRENT PEAK (ITSM) @tp=10msec & Tj=25°C	A	250
	TRANSIENT PROTECTION (Static dv/dt not to exceed blocking voltage)	V/μSec	250
	BLOCKING VOLTAGE (PEAK-VDRM)	VAC	800
STORAGE TEMPERATURE	°C	-40 to +100	