

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 15A.

The module gives full adjustment of the output voltage from 0 to 98% of the load (scale plate included).

An in-house large triac enabled 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 Upto 15A*
- ON/OFF Switch included.
- Supplied with knob and scale plate
- 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.



Energy Regulator

PRODUCT SPECIFICATIONS UVR/S

STAGE	CHARACTERISTICS	UNITS	SPECIFICATION VALUE
INPUT	INPUT METHOD	---	POT WITH ON/OFF SWITCH
O U T P U T	LOAD VOLTAGE	VAC	240
	RATED LOAD CURRENT	Amps	25
	SWITCHING DIVICE	---	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

ALL LOCALLY BOUGHT OUT ACCEPTANCE IS SUBJECTED TO ERI QA APPROVAL MATERIAL

				CUSTOMER:		NAME	DATE	
				UCI Under Control Instruments Ltd	PREPARED BY		28-01-10	
					CHECKED BY		28-01-10	
					APPROVED BY			
					E.C.N NO :			
					DOCUMENT NO:	UVR/S-1		
ISSUE	DATE	AMMEN DMET	APPD.BY	TITLE: UVR/S ENERGY REGULATOR				
				SHEET: 1 OF 1				