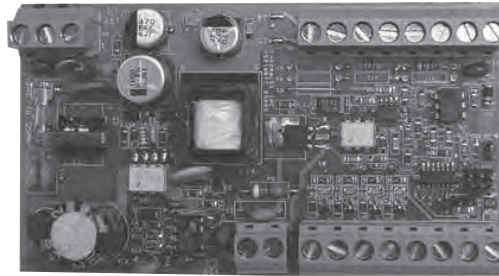


# Controls

## Vari-Watt Power Controller



- **Allows Manual Control of Heaters using SSR Solid State Relays**
- **Converts Analog, Digital or Potentiometer Signals to Trigger SSRs or a contactor**
- **DOT Switches On and Off Zero-Crossover SSR's to Accurately Control Heat**
- **Load Management Feature Evenly Distributes Output Over Up to 4 Outputs**
- **Auto/Manual Feature**

### Features

- Select from 3 analog control inputs of 4-20ma, 0-5 VDC or 0-10 VDC to drive up to 4 SSRs. The SSR's will fire in succession and evenly distribute the power draw via the Vari-watt's Load Management Feature.
- The Vari-Watt can accept a digital input of a 4-12 VDC 1 sec time proportion signal from a controller, and convert it to a 15sec cycle time 240 VAC output for a contactor or a distributed output with Load Management to up to 4 SSR's.
- Auto/Manual Control – A jumper or contact closure allows the user to select between Manual Control using the 1K Pot or Auto Control using either the 4-20ma, 0-5 VDC or 0-10 VDC control inputs.
- Robust Circuitry – Specially protected components reduce the effect of external harmonics on the power line.

### Description

The NEW Vari-watt Power controller accepts a control signal input and produces output signals that can drive up to 4 Zero-Crossover Solid State Relays or a Contactor. The signal to the solid state relays implements Chromalox

DOT firing which allows for switching as accurate as every 3 cycles (50msec). In addition, the 4 outputs evenly distribute power using the Vari-Watt's Load Management Feature.

### Specifications

<b>Control Signal Input</b>	
Analog	4-20mA (200 Ohms impedance) 0-5 VDC (10K Ohms) 0-10 VDC (20K Ohms)
Digital	4-12 VDC (1 Sec. time Proportional)
<b>Auto/ Manual Transfer</b>	
Input:	Contact Closure Closed Manual Mode (1K Pot) Open Auto Mode (4-20ma, 0-5 VDC, or 0-10 VDC)
Outputs:	0.5A Optically isolated 240 VAC switch Cycle Time: 15 seconds Quantity 4 of 12 VDC sold state relay drive (50mA each)
<b>Power Requirements</b>	95-250 VAC
<b>Dimensions</b>	5.1" x 3.5"
<b>Mounting</b>	Board Level product suitable for DIN Rail Mounting (35mm)

### Ordering Information – In Stock

Description	PCN	Part No.
New Vari-Watt Controller	339768	0113-10237
Remote 10K Potentiometer with Auto Manual Switch	313947	0135-27000