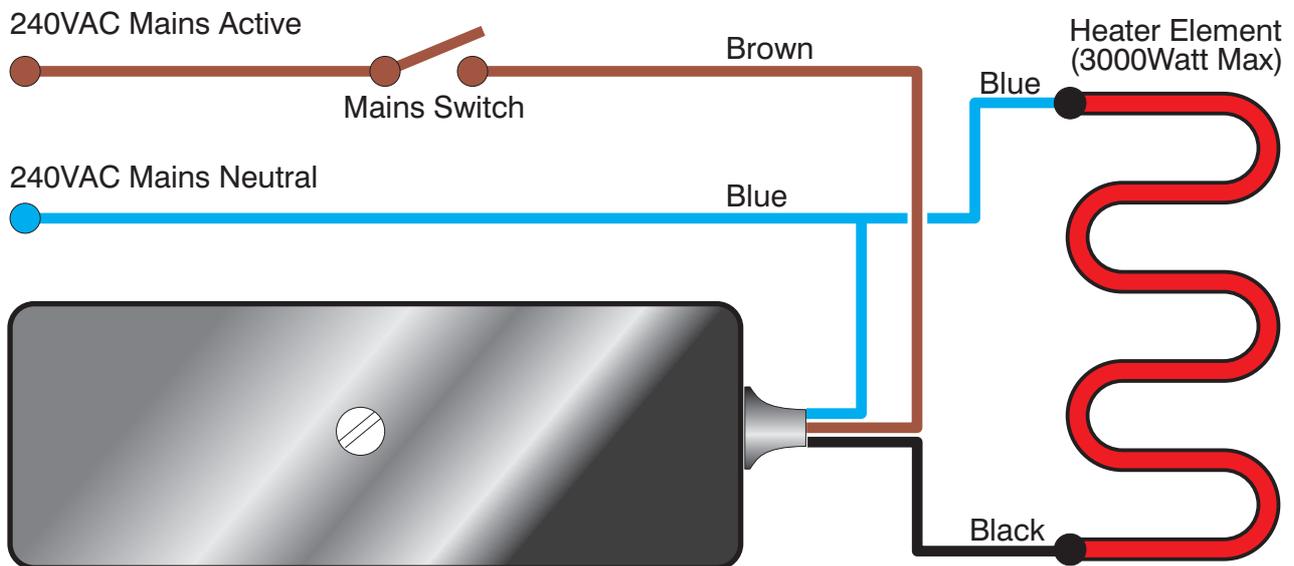


# 650 Heater Controller

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## *Installation Diagram*



### *Heater Control*

The 650 is a PWM Controller with variable 'on' to 'off' ratio from zero to 100% mains potential. mains switching is zero volt crossing to avoid EMI spiking.

The 650 is capable of controlling heater elements up to 3000Watts.

## ***650 Heater Controller Specifications***

### **Description**

The model 650 Power controller is a variable power controller for heating elements drawing up to 12.5 Amps at 240 volts. The 270 degree rotary control will vary the power applied to the element from fully off to fully on. The control varies the power without any temperature feedback or any other form of sensor for its operation.

### **Application**

The model 650 was originally developed to vary the temperature of heating elements used for heating plastic sheets before bending. It can also be used to vary the temperature of heating elements such as room heaters. It will vary the temperature of most types of heating element.

### **Operation**

It operates by varying the ratio of ON time to OFF time in any given period of time, to provide an average reduced result. The cycle time is about 0.75 seconds. The unit is not suitable for varying the power applied to infra red heating elements such a chicken heaters or bainemarie heaters as these are visible and the flash rate is objectionable to the user. The unit uses Zero Voltage Switching technology for minimum Electro Magnetic Interference. (EMI)

### **Specifications**

Voltage	=	Mains 240 vac
Current rating	=	12.5 Amps
Wires	=	V105 30/025
Control	=	Infinite 0 to Maximum