



# **user instructions**

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## **Instruction Notes for PowrTrol 104A PL124CE**

### **General Description**

The PowrTrol is a manually adjusted solid state power controller. It is designed to provide precise and variable control to resistive loads up to 5 amps. Operation is stable in ambient temperature from 30 to 130 degrees F.

### **Control Features**

1. Lighted On/Off switch
2. 5 amp output
3. Non-Linear control (scale is for reference only)
4. Circuit protection
5. Low profile housing

## **How to Setup and Operate**

First connect the heater load (5 amps or less) to the load receptacle on the front panel. Next plug the controls power cord into the appropriate grounded power receptacle.

Toggle the lighted power switch to the “ON” position to apply power to the controller. Turn the control knob to the desired setting. As the knob setting is increased, voltage to the load increases. Full line voltage is applied at a dial setting of 100 percent. Settings below 100 percent are not linear. Verify voltage prior to operation.

Manual power controls require experimentation to achieve the desired control setting for a particular application. The PowrTrol offers precise repeatability once the desired setting has been determined for that application.

## **Specifications**

### **Operator Interface**

- Control knob (5-100% of line voltage)
- Lighted On/Off switch
- 3-wire load receptacle

### **Output**

- 5 amp, 240 volts. Circuit protected
- Output range: adjustable from 5 to 100% of rated voltage

### **Input Voltage**

240V, 50/60 Hz

### **Operating Environment**

30 to 130 degrees F/ 0 to 55 degrees c; 0 to 90%RH, non condensing

## **Agency Approvals**

The products defined in the document are CE marked and conform to the following standards:

EMC: EC Directive 89/336/EEC

EN55011 class B also referred to as CISPR 11 class B

EN50082-1

Safety: Safety Directive 73/23/EEC

EN601010-1: 1993safety requirements for electrical equipment for measurement, control and laboratory use-General requirements.

## **Maintenance**

Simple preventative steps include keeping the controller fairly clean. Protect it from excessive dirt, oil and corrosion.

## **Limited Warranty**

See the current Glas-Col warranty policy located under the General Sales Policy on the Glas-Col website at [www.glascol.com](http://www.glascol.com).

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