



# **user instructions**

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## **Instruction Notes for PowrTrol 104A PL124-10CE**

### **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 10 amps. Operation is stable in ambient temperature from 30 to 130 degrees F.

### **Control Features**

1. Lighted On/Off switch
2. 10 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 (10 amps or less) to the load receptacle on the rear panel. Next plug the control power cord into the appropriate 3-wire 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**

- 10 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

### **Accessories**

Lab Lattice Mounting Clamp

R96 448

Consult factory when ordering accessories

## **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**

Glas-Col warrants products of its manufacture to be free from defects in material and workmanship for one year and agrees to repair or replace without charge any products found defective upon examination at the factory. With proper care and operation, Glas-Col products will give long and efficient service. Chemical spillage, overheating, overloading, and general misuse will greatly reduce the service life. Glas-Col is not responsible for damage due to apparatus due to improper installation or through attempts to operate the apparatus beyond its rated capacity, intentional or otherwise. Normally expendable parts are not covered by this warranty.

APART FROM SUCH WRITTEN STATEMENT OF WARRANTY, THERE ARE NO WARRANTIES, EXPRESSED, IMPLIED OR STATUTORY, WHICH EXTEND BEYOND THE DESCRIPTION OF THE PRODUCTS ON THE FACE HEREOF.

Glas-Col products are intended only for legal and legitimate purposes in commercial and industrial settings.

## **Returns:**

For returns, call or fax Customer Service for a Return Goods Authorization (RGA) number before returning a product.

Reference the RGA number on the shipping box along with a written description of the problem.

A 20% restocking charge applies for current models of standard products returned for stock upon receiving inspection.

### **Glas-Col, LLC**

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