

user instructions

711 HULMAN STREET
PO BOX 2128
TERRE HAUTE, IN 47802
812-235-6167
FAX 812-234-6975
E-MAIL: pinnacle@glascol.com
WEBSITE: www.glascol.com

Instruction Notes for PowrTrol 104A PL120/104A PL124



Figure 1

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.

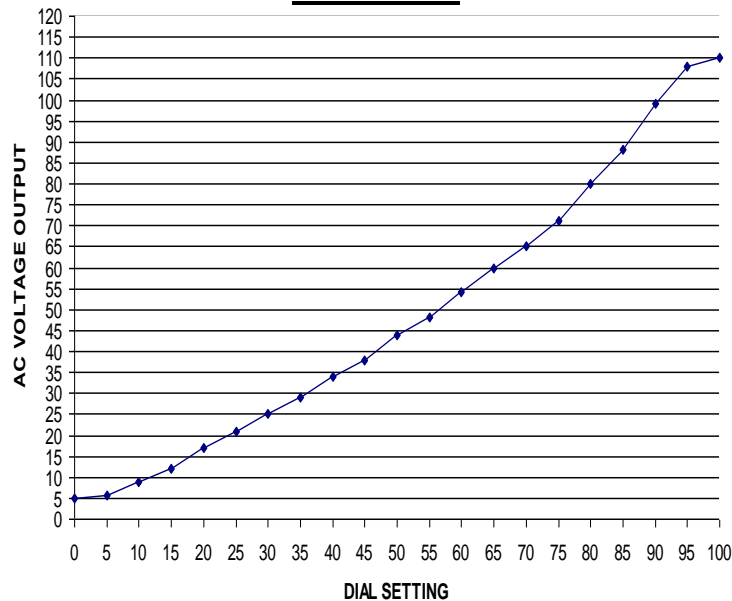
How to Setup and Operate

First connect the heater load (10 amps or less) to the load receptacle on the rear panel. Next plug the control line cord into the appropriate 3-wire grounded power receptacle.

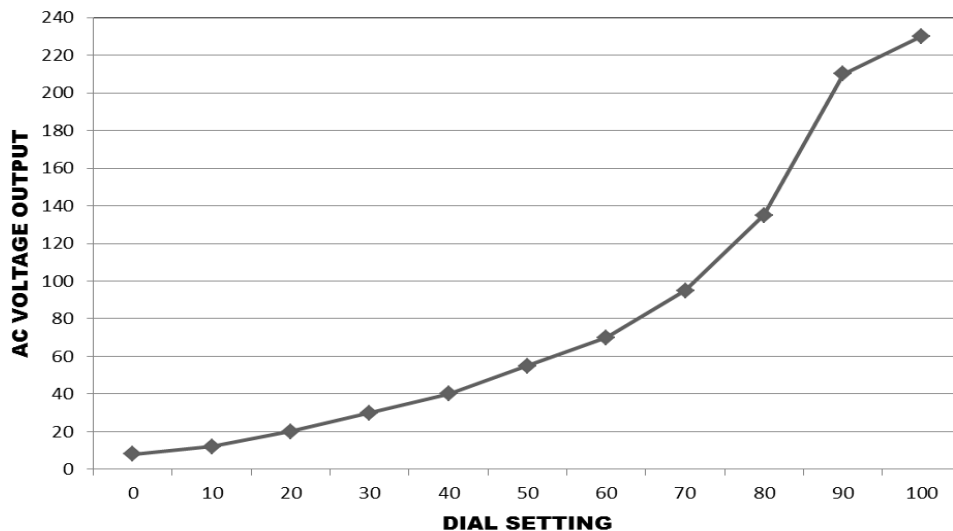
Toggle the lighted power switch to the “ON” position to apply power to the controller. Turn the control knob to the desired setting. As the knob setting is increased, voltage to the load increases. Full line voltage is applied at a dial setting of 100 percent. Settings below 100 percent are not linear.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

104A PL120



104A PL124



Specifications

Operator Interface

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

Output

- 10 amp, 120V, Circuit protected (104A PL120)
- 10 amp, 240V, Circuit protected (104A PL124)
- Output range: adjustable from 5 to 100% of rated voltage.

Note: Output can be verified only under load with voltage meter.

Input Voltage

- 120V, 50/60 Hz (104A PL120)
- 240V, 50/60 Hz (104A PL124)

Operating Environment

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

Accessories

- Lab lattice mounting clamp
Part No. 100F R96 448
Consult factory for ordering accessories

Maintenance

Simple preventative maintenance steps include keeping the controller clean. Protect it from overload, 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 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 laboratory 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

711 Hulman Street, P.O. Box 2128, Terre Haute, IN 47802-0128

Phone. (812) 235-6167, Fax. (812) 234-6975

E-mail: pinnacle@glascol.com

Web: www.glascol.com