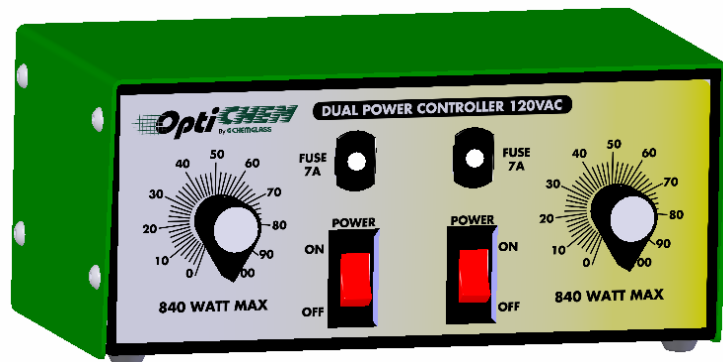




120 VAC Dual Power Controller

CG-15009-01

User's Manual



CHEMGLASS

3800 North Mill Road · Vineland, NJ 08360 · USA

Ph: 1-800-843-1794 · Fx: 1-800-922-4361

Web: www.chemglass.com

REV: CG050524

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Features:

1. Dual Power Controllers in one.
2. A simple turn of a knob adjusts power.
3. Illuminated ON/OFF Switch.
4. Circuit protection.
5. 7-Amp output per channel. 840 Watts Maximum per channel.
6. Low profile housing.

General Use:

The Dual Power Controller is used to manually adjust power levels to two different loads using a turn of a knob. It was designed for use with heaters / heating mantles as well as other resistive loads. It outputs 5% to 100% of the rated voltage. The approximate values for the voltage output can be found in Table 1¹.

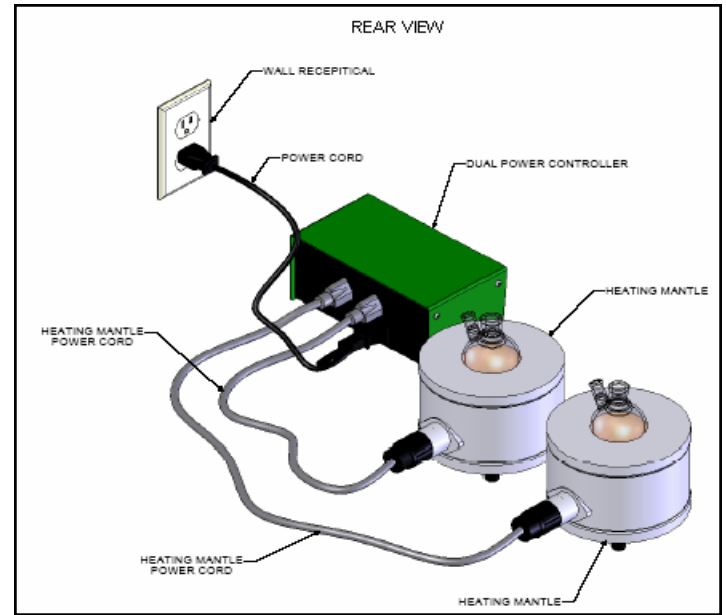
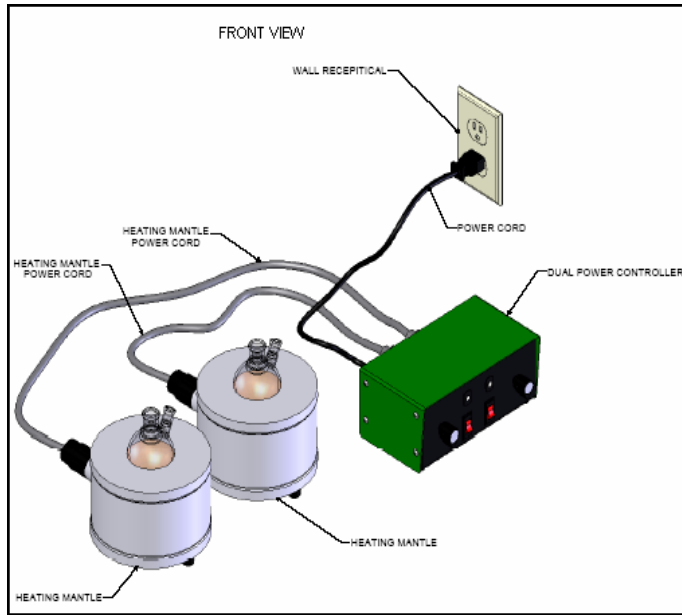
Knob Setting (%)	Approximate VAC Output
0	10 +/-2 +/-5%
10	14 +/-2 +/-5%
20	21 +/-2 +/-5%
30	30 +/-2 +/-5%
40	42 +/-2 +/-5%
50	51 +/-2 +/-5%
60	64 +/-2 +/-5%
70	80 +/-2 +/-5%
80	97 +/-2 +/-5%
90	112 +/-2 +/-5%
100	115 +/-2 +/-5%

Table 1: Approximate Output Voltages

¹ Actual voltage outputs can be found by using a voltmeter or digital multi-meter across the heating mantle or load.

Setup & Operation:

1. Connect the heater / heating mantle to the load receptacle (located on the rear of the unit).
2. Plug the power cord of the Power Controller into an electrical outlet (Rated 120VAC).
3. Turn the ON/OFF switch to its ON position. In the ON position, the switch will be illuminated.
4. Now you're ready to control your heater / heating mantle load. Turn the control knob to your desired power setting.
5. The heating mantle will now heat up.
6. When the knob is pointed at 100%, full power will be applied to the load. (Refer to Table 1)



Specifications:

Input Voltage: 120VAC, 50/60 Hz.

Output Range: 5% to 100% of rated voltage.

Maximum Output Power: 840 Watts +/-5% per channel.

Maximum Output Voltage: 120 VAC +/- 5% per channel.

Maximum Output Current: 7 Amps +/-5% per channel.

NOTE: THIS UNIT MUST ONLY BE USED WITH 120VAC RATED DEVICES, i.e. HEATERS AND MANTLES

Troubleshooting:

Problem	Possible Cause	Corrective Action
No Output/Heating	Circuit Breaker tripped on unit	Depress white button on circuit breaker. NOTE: if circuit continues to trip – Call for service
	Loose connections	Ensure all connections are correct and secure
	Burned out element in heater/mantle	Plug an incandescent light into the power controller's output – if bulb lights, then the heater/mantle is defective. – If the bulb does not illuminate then call for service
Power switch does not illuminate when turned on	Circuit Breaker tripped on unit	Depress white button on circuit breaker. NOTE: if circuit continues to trip – Call for service

Maintenance:

1. Do NOT connect heating mantles or heaters (resistive loads) that have power ratings of greater than 840 watts.
2. Do NOT connect motors (inductive or capacitive loads) to this unit.
3. Do NOT use aggressive solvents to clean this unit.
4. This unit should be kept away from temperatures above 60 °C.

Warranty:

Chemglass, Inc. warrants this unit against defects in material and workmanship for a period of two years from the date of sale. If the unit should malfunction, it must be returned for evaluation. If the unit is determined to have a defect in materials or workmanship, then it will be repaired or replaced at no charge. Tampering with the unit or damage resulting from excessive current, heat, moisture, vibration, corrosive materials, or misuse will void this warranty. Programming changes or reconfigurations are not covered under warranty. *Connecting any device to this unit that does not have a voltage rating of 120VAC and/or a power rating exceeding 840 Watts will void this warranty.*

Return Policy:

To return this item under warranty, advise the Chemglass Electronics Department of the situation and they will provide you with a return authorization number. The unit will be evaluated and repaired as required in accordance to the warranty.

Please contact the Chemglass Electronics Department with warranty repair information.

Tel: 1-800-843-1794 ext. 2124

Fax: 1-800-922-4361

Email: electronics@chemglass.com