

POWERLIGHT®

ELECTRONIC GAS IGNITER 120VAC

Beckett®

INSTALLATION INSTRUCTIONS



⚠ WARNING

Electrical Shock Hazard

Failure to disconnect all power sources could result in severe personal injury or death.

- Disconnect all electrical power to the burner before servicing. More than one disconnect switch may be in the supply circuit.
- Installation and service must only be performed by a qualified service technician.
- Remove all jewelry, such as rings and watches, before servicing.
- Provide ground wiring to the burner, metal control enclosures, and accessories. (This may also be required to aid proper control system operation.)



⚠ WARNING

Electrical Shock Hazard

Failure to wire the burner correctly could cause serious injury or death.

- Perform all wiring in compliance with the National Electric Code ANSI/NFPA 70 (Canada CSA C22.1)
- Connect the electrical circuit and burner housing to earth ground.



⚠ WARNING

Explosion/Fire Hazard

Failure to wire the igniter correctly could cause serious death or injury.

Connect the white wire to the neutral and blue with white stripe wire to primary control.



Igniter

Burner Model

52014U	CG10 with RM7897
51976U	CG15 / CG25 / CG50
5260401U	CG4
5260402U	CG10 with 7590C
5260403U	Igniter Only

Application Information:

- This igniter is a single post (output).
- It is rated for continuous duty.
- The Beckett gas igniter is designed to mount on specific applicable burners (see Table 1).

⚠ CAUTION

Do not use the igniter in an application that is not within the ratings listed in this section. Improper igniter operation may result.

Continued on Reverse ►

(Instructions Continued)



SPECIFICATIONS:

System Supply: Circuit protection at 20A for the system

Input Voltage: 120Vac
(102 Vac min. - 132Vac max.)

Input Current: 0.3A

Output Voltage: 18.5 kV peak

Output Current: 25mA RMS

Secondary One-end Ground

Ambient Operating Temperature: -40 to +150°F

Storage Temperature: -40 to +150°F

Moisture: 5 to 95% Relative Humidity

INSTALLATION INSTRUCTIONS:

(See the Gas Burner Operating Manual for additional details)

For CG4/CG10:

1. Mount the assembled unit to the burner using the screws supplied.
2. Use "paint scraping" screws for all burners (2 at the hinge). Tighten these screws securely to provide effective grounding to burner housing.
3. Verify the burner is properly grounded using an ohmmeter.
4. Carefully route the igniter input leads to prevent them from being pinched during closing.
5. Wire white to neutral and blue with white stripe to primary control ignition lead. Refer to the burner manufacturer's wiring diagram.
6. Verify the igniter output terminal has good electrical contact with the gas burner electrode.
7. Verify the ignition electrode gap and orientation are set to the manufacturer's specifications per Gas Burner Manual.
8. Close the igniter. Install and securely tighten the two front base plate retaining screws on baseplate.
9. Restore electric power to the burner circuit.
10. Verify with instruments that the burner is adjusted to the manufacturer's recommended settings
11. Cycle the burner several times to verify prompt and smooth ignition before leaving.

For CG15/CG25/CG50:

1. Attach the booster to the burner with two of the "paint scraping" screws supplied. The screws need to be installed on the same side (left or right). Do not fully tighten.
2. Hinge the igniter baseplate assembled unit into place making sure the baseplate is under the head of the previously installed screws.
3. Install the two remaining "paint scraping" screws. Tighten all screws securely to provide effective grounding to burner housing.
4. Verify the burner is properly grounded using an ohmmeter.
5. Route the conduit to the previously installed location on the electrical box.
6. Wire white to L2 (neutral) and blue with white stripe to primary control ignition lead. Refer to the burner manufacturer's wiring diagram.
7. Verify the ignition electrode gap and orientation are set to the manufacturer's specifications per gas burner manual.
8. Plug ignition cable into igniter terminal.
9. Restore electric power to the burner circuit.
10. Verify with instruments that the burner is adjusted to the manufacturer's recommended settings
11. Cycle the burner several times to verify prompt and smooth ignition before leaving.

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