





# POWERLIGHT®

## ELECTRONIC GAS IGNITER 120VAC

# Beckett®

### INSTALLATION INSTRUCTIONS

	<p style="text-align: center;"><b>⚠ WARNING</b></p> <p><b>Explosion/Fire Hazard</b>  <i>Failure to use a compatible primary control could cause death or serious injury.</i>            ONLY use with R.W. Beckett 7590 Gas Primary Control.</p>
	<p style="text-align: center;"><b>⚠ WARNING</b></p> <p><b>Fire Hazard</b>  <i>Removing the igniter from the factory-installed baseplate could cause serious death or injury.</i></p> <p>Do not remove igniter from factory installed baseplate</p>
	<p style="text-align: center;"><b>⚠ WARNING</b></p> <p><b>Electrical Shock Hazard</b>  <i>Failure to disconnect all power sources could result in severe personal injury or death.</i></p> <ul style="list-style-type: none"> <li>• Disconnect all electrical power to the burner before servicing. More than one disconnect switch may be in the supply circuit.</li> <li>• Installation and service must only be performed by a qualified service technician.</li> <li>• Remove all jewelry, such as rings and watches, before servicing.</li> <li>• Provide ground wiring to the burner, metal control enclosures, and accessories. (This may also be required to aid proper control system operation.)</li> </ul>
	<p style="text-align: center;"><b>⚠ WARNING</b></p> <p><b>Electrical Shock Hazard</b>  <i>Failure to wire the burner correctly could cause serious injury or death.</i></p> <ul style="list-style-type: none"> <li>• Perform all wiring in compliance with the National Electric Code ANSI/NFPA 70 (Canada CSA C22.1).</li> <li>• Connect the electrical circuit and burner housing to earth ground.</li> </ul>



Igniter	Burner Model
5260401U	CG4
5260402U	CG10 with 7590C

### Application Information:

- This igniter is a single post (output) and designed for use only with the approved Beckett gas burners and its factory components.
- It is rated for continuous duty and for use only with the Beckett 7590 primary control.
- The Beckett gas igniter is designed to mount on specific applicable burners (see Table 1).
- This igniter is supplied with an integral baseplate that must never be removed from the igniter.

### ⚠ CAUTION

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

(Instructions Continued)



## SPECIFICATIONS:

**System Supply:** Circuit protection at 20A for the system

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

**Input Current:** 0.2A

**Output Voltage:** 30kV peak

**Output Current:** 20mA RMS

**Secondary One-end Ground**

**Ambient Operating Temperature:** -40 to +150°F

**Storage Temperature:** -40 to +150°F

**Moisture:** 5 to 95% Relative Humidity

## ⚠ 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.

## INSTALLATION INSTRUCTIONS:

(See the Gas Burner Operating Manual for additional details)

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.

[www.beckettcorp.com](http://www.beckettcorp.com)

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