



- 19,000-volt output for smoother ignition
- Solid state technology yields high performance, long life and durability
- Constant-duty rated
- Low current draw saves electricity
- Epoxy sealant provides water resistance and heat dissipation
- Consistent voltage output across a wide range of input voltages

Ignitor Model	41000
Power Input	120 VAC, 60 HZ, 40 VA
Ignitor Output	19 KV, 35 mA RMS
Secondary Grounding	Midpoint
Operating Temperature Limits	+32°F to +140°F
Storage Temperature Limits	-40°F to +185°F
Agencies	UL Recognized U.S. and Canada

MODEL **41000**

# Electronic Ignitor

19-KV continuous-duty

## Data Sheet

### Installing and wiring

**WARNING** Carlin ignitors and ignitor kits must be installed and serviced only by a qualified burner service technician. Always disconnect power source before wiring to avoid electrical shock or damage to electrical components.

1. Carlin 41000 series ignitors can be mounted directly on top of the burner housing or other location, in the same manner as standard transformers.
2. Disconnect electrical power to the burner. Disconnect wires from primary control to existing ignition transformer or ignitor.
3. Remove any screws securing ignition transformer or ignitor.
4. Observe the routing of electrical wiring from burner junction box to ignition transformer or ignitor.
5. Remove existing ignition transformer or ignitor.
6. Select and install the appropriate terminals/springs based on the burner application. If the appropriate terminals are not included, remove and reuse the terminals from the ignitor being replaced.

**IMPORTANT:** Make sure to align terminals so that they make good contact with the electrode rods. In some cases properly aligned terminals will not be parallel to each other.

7. Install new ignitor, reversing the above steps. Install, connect and route the ignitor wiring the same as the original ignition transformer or ignitor wiring was installed.
8. Make sure the ignitor is firmly attached and that all electrical connections meet local codes before applying power.

### Field check

**WARNING** Never test an ignitor by placing a screwdriver (or other metallic object) across the high voltage clips.

TECH SUPPORT HOTLINE 800-989-2275