

## 24 VAC KNIGHTLIGHTER™ IGNITER TROUBLESHOOTING

### TEST MODE

1. Nothing happens, no click and no spark.

The igniter power input circuitry has been designed to protect the igniter against improper hook-up. It will withstand a temporary short; however, the igniter will not work until it is properly powered without any shorts to chassis or earth ground. If the 24 VAC lead has been shorted, the igniter will shut down to prevent damage. The short must be cleared and 24 VAC power verified before powering up again.

NOTE: This modification will not protect against hook up to 120 VAC or hooking the transformer up backwards; doing this will void warranty.

2. Sparks but does not light or lights inconsistently.

Probe adjustment; spark gap shall be 3/16 inch. Sparks shall appear across the spark probe to the pilot burner ring (mantle configurations), or to the side of the burner tip at the slit (open flame configurations)

3. Sparks and lights but does not stay lit.

Flame sensor is not seeing the flame (\*If using, optional cover may be blocking the Flame Sensor view) or Daylight Sensor is seeing the flame (unit will cycle on and off). Adjust sensors. Remember to remove cover from Flame Sensor when unit lights.

4. No Spark. Solenoid clicks ON and then OFF, valve does not open.

Daylight sensor is seeing light. Cover sensor.

5. No Spark. Solenoid clicks ON and valve stays open during ignition cycle and then clicks off.

Spark gap is too wide. Adjust Probe, see Item #1.

6. Igniter resets i.e. clicks on/off continuously.

Spark gap is too close. Adjust to 3/16 inch.

### OPERATIONAL MODE

Gaslight does not light in the evening.

1. Check for bright lights in the area. Cover sensors; if unit lights, make sure Daylight Sensor is not pointed toward any bright lights (street lights, Holiday lights, etc.). Check the alignment of the flame sensor; verify that it is pointed up toward the position of the flame. If necessary, apply sheath to flame sensor (\*If using, optional cover may be blocking the Flame Sensor view).

2. Check for conditions noted above under Test Mode.

\*Optional Brass Igniter Covers: If using Igniter Covers, they must be properly installed so that the flame sensor protrudes thru the small hole in the cover to view the flame. Covers can be left off if they can not be readily installed.

For questions and technical support please call 651-636-1008.