

## **TROUBLESHOOTING TIPS 6 VDC BATTERY IGNITER (with Ion Sensor)**

TEST MODE (Cover both sensors with BLACK electrical tape to block light; other colors or types of tape will not block out all light.)

1. Nothing happens, no click and no spark, valve does not open.

Verify that the battery pack is properly connected. Check for 6V at igniter input; Battery Pack voltage shall be greater than 4.0 VDC; replace batteries if necessary.

Daylight or Flame Sensor is seeing light. Check for bright lights in the area. Cover sensors and try again. Remember when testing, to remove cover from Flame Sensors when unit lights.

2. Sparks but does not light or lights inconsistently.

Probe adjustment; spark gap shall be 3/16 – 1/4 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). For Open Flame burners, lighting the burner to view the flame helps in proper probe placement.

3. Sparks and lights but does not stay lit.

Flame Sensor: Verify that the Flame Sensor is seeing the flame.

Daylight Sensor: If Daylight Sensor is seeing the flame the unit will cycle on and off.

Adjust sensors. Remember to remove any temporary test cover from Flame Sensor when unit lights.

4. 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.

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

Spark gap is too close. Adjust to 3/16 – 1/4 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.
2. Battery voltage is too low. Check batteries.
3. Check for conditions noted above under Test Mode.

NOTE: For QuickConnect Assemblies; the easiest way to replace the batteries is to unplug the igniter and remove the igniter from the lamp. The igniter can be taken to the shop where the battery pack can be tested or replaced.

Be careful not to get dirt in the gas receptacle when removing and replacing the igniter and make sure the igniter is fully seated after reinstalling. Check for gas leaks.

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