

Probe Alignment for 24VAC Igniter with Ion Sensor using Ceramic Burner Tip

Following are instructions on how to adjust and align the Direct Wire Probe in lanterns that use a ceramic burner tip with a NiChrome wire inserted into slit of ceramic burner tip.

NOTE: In order for the Ion sensor part of the circuit to work, the NiChrome wire *must* be on the opposite side of the slit from the Direct Wire Probe and the Direct Wire Probe *must* be positioned just inside the flame at the very edge of the flame. The spark *should not* arc across the probe to the NiChrome wire; the spark should arc to the burner stem just below the ceramic part of the burner tip.

To avoid resetting, the spark gap should not be closer than 3/16" and the probe wire lug should be securely attached to spade/post terminal on the HV transformer.

Position of probe in the Flame Boundary

