INSTALLATION INSTRUCTIONS

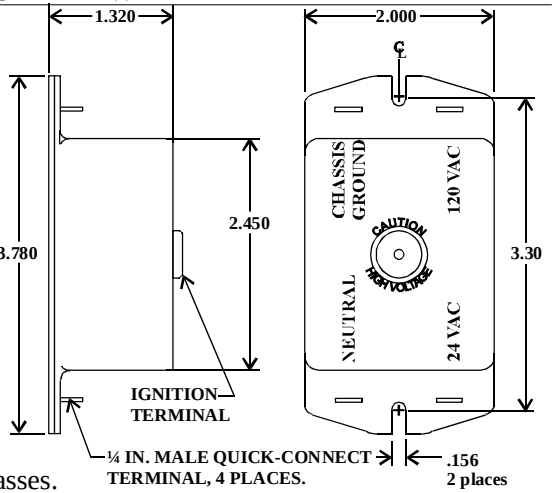
F536 PR-24/120-36W U.S. Patent 3,813,418
MODULE & HARDWARE KIT

SPECIFICATIONS

Power Input:
PR 24/120: 24VAC/120VAC 60 HZ
Current Drain: 75 Milliamperes
Maximum (Sparking)
Ambient Temp. -40 deg to 175 deg F

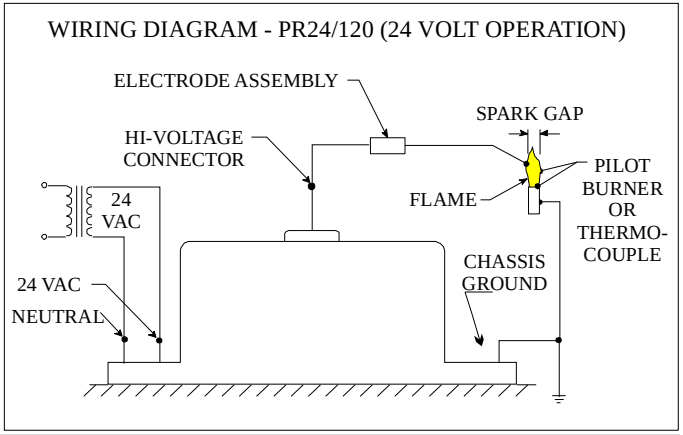
ELECTRODE ASSEMBLY

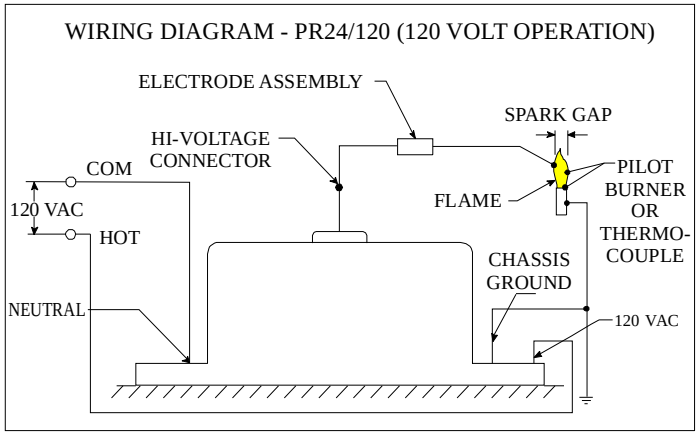
High Voltage Lead: 24 in. Length
Recommended Spark Gap:
1/8 (.125) in Max.
7/64 (.110) in Min.
Spark Frequency:
300 to 500 per minute @ 24VAC
Tested for use with Natural and LP Gasses.



The Pilot Re-Igniter is ordered as a complete package which includes a Module, electrode assembly, ignitor cable and mounting strap.

COMPONENTS





Ground is common to NEUTRAL terminal

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CAUTION: WHEN REPLACING SPARK IGNITORS BE SURE TO CHECK SPARK GAP & ADJUST TO PROPER DIMENSION

CONTROL UNIT INSTALLATION

CAUTION

Leave power input leads disconnected during installation. To avoid damaging the unit when connecting 120 VAC input to terminals, be sure 120 VAC hot is connected to 120 VAC terminal and the 120 VAC common is connected to the neutral terminal. (See wiring diagram) When using wall plugs, use polarized type only.

Install the control unit inside or outside the control compartment of the heating equipment within the reach of the available or supplied electrode wire length. Make sure the chassis ground terminal of the control unit is connected to the metal frame of the heating equipment. (see wiring diagram) Any number of units can be installed from a single transformer supply, provided transformer VA rating is not exceeded.

ELECTRODE ASSY. INSTALLATION

Securely fasten electrode assembly to pilot burner or thermocouple by means of a suitable bracket (see fig.1) Position the assembly so the tip of the electrode is within the flame area and 7/64 (.110) to 1/8 (.125) inch from the pilot burner or thermocouple. This distance is called the "Sparkgap". Also, make sure the "Sparkgap" is within the center of the a burning pilot flame. Optimum performance of the Pilot Reigniter depends largely upon suitable positioning of the electrode tip.

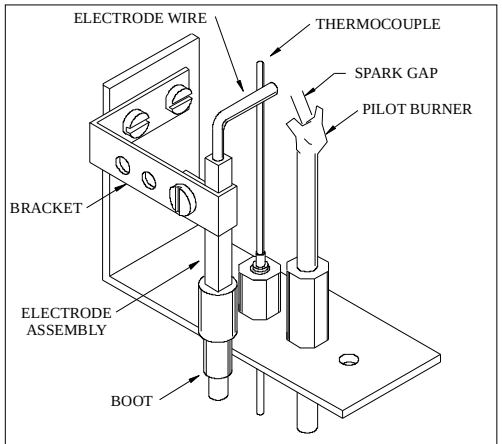

FIG.1

Connect the electrode cable to the ignition (via the quick connect) terminal on the body of the controller. Pull slightly on the wire to assure a good connection. (See fig. 2) Install supplied rubber insulating boots securely over both the high voltage connector and electrode quick connect terminals after connections are made. Do not allow the high voltage ignition wire to touch or lay on any metal surface. The ignition wire should be suspended in air by a suitable insulating standoff.

OPERATION CHECK PROCEDURES

1. Manually shut off the gas supply valve.
2. Apply input power to control unit to check that sparking will occur.
3. Open the pilot gas supply valve. Pilot flame should light.
4. When the pilot flame is established, the sparking will cease. If sparking does not stop, check:
   A. Electrode tip must be within flame.
   B. Pilot burner must be grounded to appliance.
5. Turn off the pilot gas supply. Sparking should reoccur. Repeat to see that the system works properly.

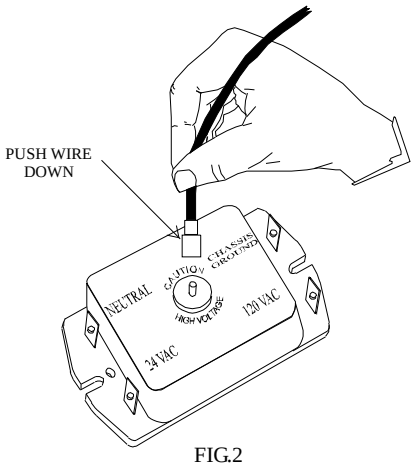

FIG.2