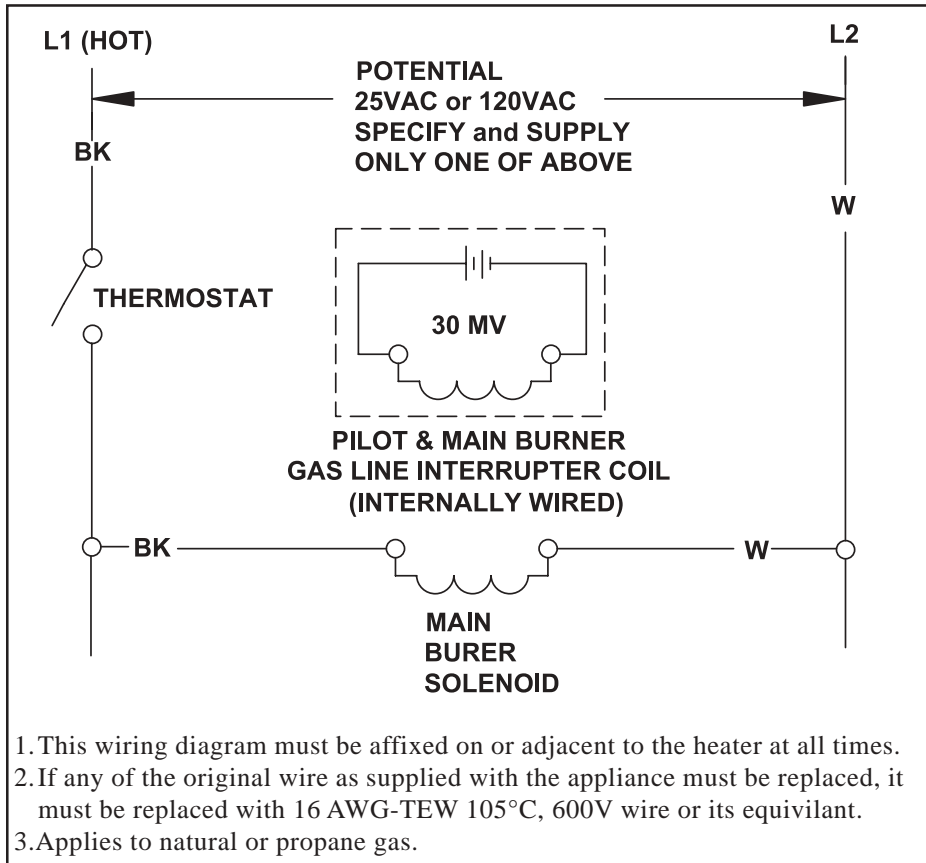


# DETROIT RADIANT PRODUCTS CO.

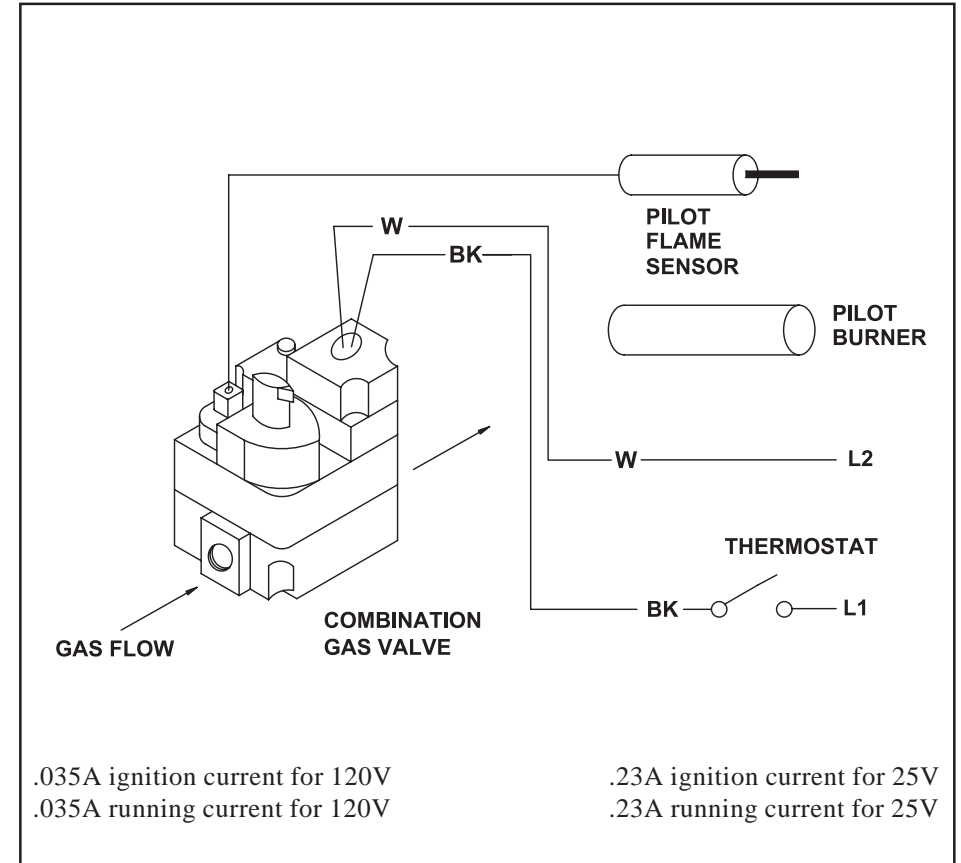
## Wiring Diagram for Suffix NT-2 or PT-2 25V and 120V

(Pilot Sensing Element - Thermocouple, Function - 100% Shutoff)

### TYPICAL WIRING SCHEMATIC



### TYPICAL BLOCK DIAGRAM



# ***DETROIT RADIANT PRODUCTS CO.***

## ***Wiring Diagram for Suffix NT-2 or PT-2 25V and 120V***

*(Pilot Sensing Element - Thermocouple, Function - 100% Shutoff)*

### **Normal Sequence of Operation**

After manually lighting the heater's pilot burner gas and the subsequent closing of the electrical supply circuit to this control system, the following occurs:

1. Upon adequate heating of the pilot sensing element, the pilot and main burner gas line interrupter is energized and remains open.
2. The heater's main burner solenoid valve is energized and opens, resulting in the operation of the heater.

NOTE: In the event of pilot flame outage, the gas flow to both the pilot and the main burner(s) is interrupted.



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