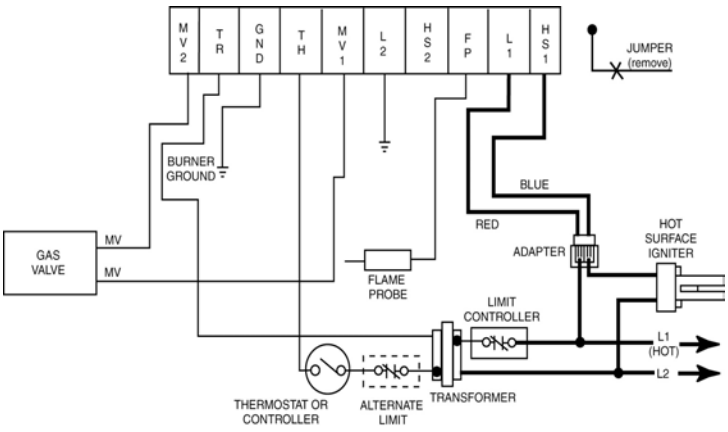
TECHNICAL BULLETIN

NO. 03-004
DECEMBER 11, 2003

SUBJECT: 50E47-8xx

YELLOW FLASHING INDICATOR: IMPROPER POLARITY LOCKOUT

RED SOLID INDICATOR LIGHT: INTERNAL FAULT OR REVERSED CONNECTIONS AT GAS VALVE



YELLOW FLASHING INDICATOR (IMPROPER POLARITY LOCKOUT): Yellow indicator will flash if the polarity is not correct as diagrammed above on both the primary and secondary of the system transformer.

To check the polarity on the primary of the transformer it can be tested at the module. The L1 terminal on the module should be 120 volts (Hot) and should measure 120 volts to GND.

To check the secondary of the transformer, module terminal L1 should measure approximately 95 volts to TH. If the reading is approximately 120 to 150 volts the secondary is not phased correctly. To correct this condition, reverse the secondary wires on the system transformer. Note: TR on this module is tied to GND. Some systems may have more than one ground. When you reverse the 24 volt secondary be sure that only the TR lead is grounded.

RED SOLID INDICATOR LIGHT (INTERNAL FAULT OR REVERSED CONNECTIONS AT GAS VALVE): A solid red indicator light means internal module fault or reversed connections at the gas valve. Before replacing the module, reverse low voltage connections to gas valve.

At installation this module has a self-test and requires all system components (Transformer, Ignitor, Gas Valve and Flame Sensor) to be attached and turned on for it to operate. Gas valves with an Electric “On/Off” switch must be turned “ON”. A lockout condition on this control during self-test will not damage equipment or the control.