

LEGEND

BHT/CLR	Blower Motor Speed Change Relay, SPDT
BLWR	Blower Motor Relay, SPST-(N.O.)
BLWM	Blower Motor
CAP	Capacitor
CPU	Microprocessor and Circuitry
EAC-1	Electronic Air Cleaner Connection [115 VAC 1.5 Amp Max.]
EAC-2	Electronic Air Cleaner Connection [Common]
FL	Fuse Link
FRS	Flame Rollout S/W - Manual Reset, SPST-(N.C.)
FSE	Flame-Proving Electrode
FU1	Fuse, 3 Amp, Automotive Blade Type, Factory Installed
FU2	Fuse of Circuit Breaker Current Interrupt Device (Field Installed and Supplied)
GND	Equipment Ground
GV	Gas Valve - Redundant Operators
GVR	Gas Valve Relay, DPST-(N.O.)
HI/LO	Blower Motor Speed Change Relay, SPDT
HSI	Hot Surface Ignitor [115 VAC]
HSIR	Hot Surface Ignitor Relay, SPST-(N.O.)
HUM	24 VAC Humidifier Connection [5 Amp Max.]
IDM	Induced Draft Motor
IDR	Induced Draft Relay, SPST-(N.O.)
ILK	Blower Access Panel Interlock Switch, SPST-(N.O.)
JB	Junction Box
LED	Light-Emitting Diode for Status Codes
LGPS	Low Gas Pressure Switch, SPST (N.O.)
LS	Limit Switch, Auto Reset, SPST (N.C.)
OL	Auto-Reset Internal Motor Overload Temperature Switch (N.C.)

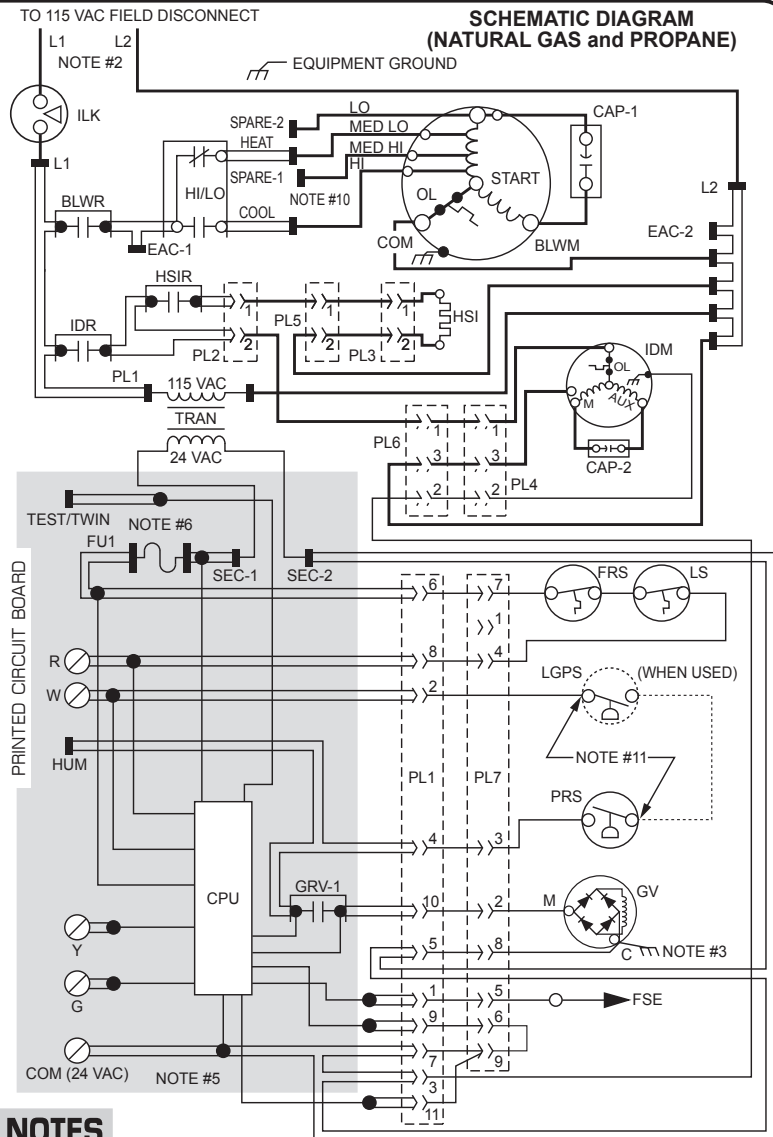
PCB

PL1	11-Circuit PCB Connector
PL2	2-Circuit PCB Connector
PL3	2-Circuit HSI Connector
PL4	3-Circuit IDM Extension Connector
PL5	2-Circuit Adapter Connector
PL6	3-Circuit Adapter Connector
PL7	9-Circuit Adapter Connector
PRS	Pressure Switch, SPST-(N.O.)
TEST/TWIN	Component Test and TWIN Terminal
TRAN	Transformer - 115 VAC/24 VAC

TEST/TWIN

	Junction
	Unmarked Terminal
	PCB Terminal
	Factory Wiring (115 VAC)
	Factory Wiring (24 VAC)
	Field Wiring (115 VAC)
	Field Wiring (24 VAC)
	Conductor on PCB
	Field Wiring Terminal
	Field Earth Ground
	Equipment Ground
	Field Splice
	Plug Receptacle

TO 115 VAC FIELD DISCONNECT



NOTES

- If any of the original equipment wire is replaced, use wire rated for 105°C.
- Use only copper wire between the disconnect switch and the furnace junction box (JB).
- The wire must be connected to furnace sheet metal for control to detect flame.
- Symbols are electrical representation only.
- Solid lines inside PCB are printed circuit board conductors and are not included in legend.
- Replace only with 3 amp fuse.
- Inducer (IDM) and blower (BLWM) motors contain internal auto-reset thermal overload switches (OL).
- Neutral connections are interchangeable within the **NEUTRAL** connector block.
- Blower motor speed selections are for average conditions. See installation instructions for details on optimum speed selection.
- YELLOW lead not on all motors.
- Factory connected when **LGPS** is not used.
- Ignition-lockout will occur after four consecutive unsuccessful trials-for-ignition. Control will auto reset after three hours.
- Blower-**ON** delay, gas heating 25, 45 or 65 seconds, cooling or heat pump 2 seconds.
- Blower-**OFF** delay, gas heating 90, 120, 150 or 180 seconds, cooling or heat pump 90 seconds or 5 seconds when **J2** is out.