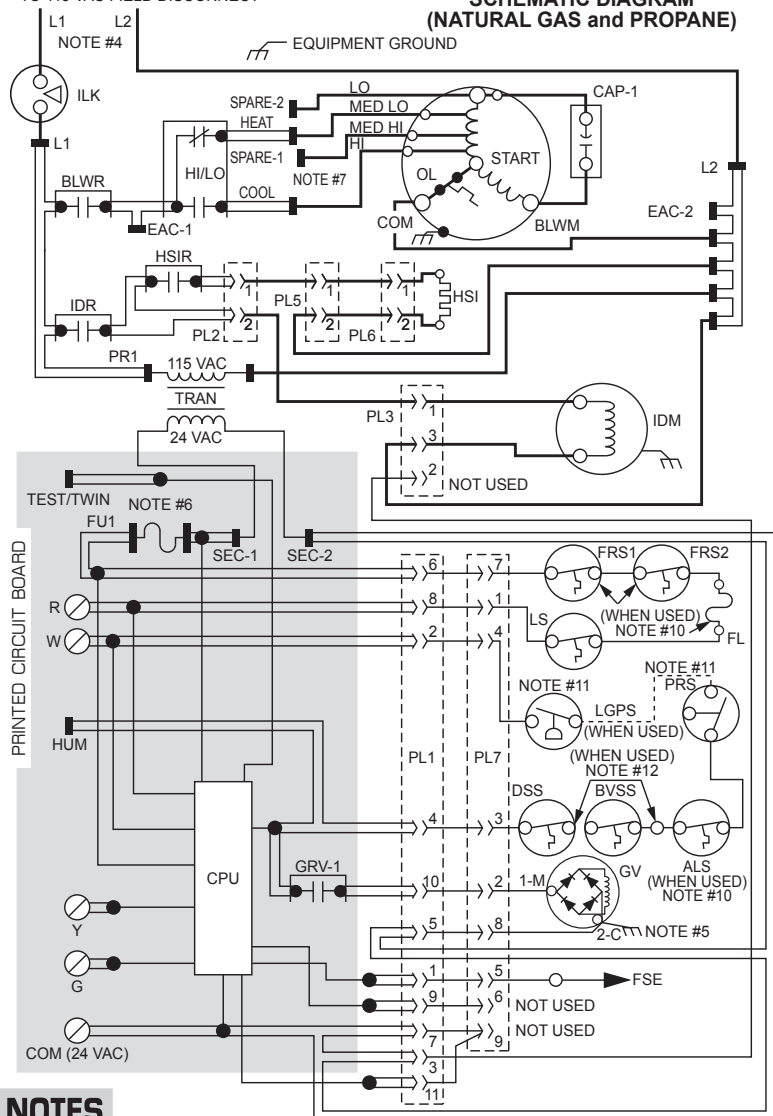


LEGEND

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	Printed Circuit Board
PL1	11-Circuit PCB Connector
PL2	2-Circuit PCB Connector
PL3	3-Circuit Adapter Connector
PL5	2-Circuit Adapter Connector
PL6	2-Circuit HSI 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
—	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.
- Inducer (**IDM**) and blower (**BLWM**) motors contain internal auto-reset thermal overload switches (**OL**).
- Blower motor speed selections are for average conditions. See installation instructions for details on optimum speed selection.
- 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.
- Replace only with 3 amp fuse.
- 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 cut.
- Ignition-lockout will occur after four consecutive unsuccessful trials-for-ignition. Control will auto reset after three hours.
- When used, auxiliary limit switch (**ALS**) is on some downflow models only. When used, **FL** is on upflow models only. **FRS1** and **FRS2** only used on downflow and horizontal models.
- Factory connected when **LGPS** is not used.
- Factory connected when **BVSS** is not used. **BVSS** used when Chimney Adapter Accessory Kit is installed.
- Neutral connections are interchangeable within the **NEUTRAL** connector block.