

WIRING DIAGRAM

For 80+ and 90+

Single Stage Furnaces

GREEN LED	RED LED	YELLOW LED	INDICATION
ON	ON	OFF	System Idle – Normal Operation
OFF	OFF	OFF	No Power IFC Hardware Problem (Hard Lockout)
ALTERNATING FLASH	OFF	OFF	Lockout due to Failed Ignition (1 Hr. Soft Lockout)
	OFF	OFF	Pressure Switch Open with Inducer On (5 Min. Soft Lockout)
	OFF	OFF	Pressure Switch Open with Inducer On (After initial 80 seconds of trial when changing to 5 min soft lockout mode)
FLASHING	FLASHING	FLASHING	Undesired Flame (1 Hr. Soft Lockout)
	OFF	OFF	Limit Switch Open
FLASHING	ON	OFF	Pressure Switch Open with Inducer ON (Initial 80 seconds of trial) (Changes to Alternating Flash after 80 sec. and starts 5 Min. Soft Lockout)
ON	FLASHING	OFF	Pressure Switch Closed with Inducer OFF
FLASH TOGETHER	OFF	OFF	115/120VAC & Neutral reversed or No Ground (Hard Lockout)
OFF	FLASHING	OFF	Twining Fault
FLAME SENSE STATUS			
ON	ON	ON	Good Flame Signal
ON	ON	FLASHING	Weak Flame Signal
ON	ON	OFF	No Flame Signal (during trial for ignition)

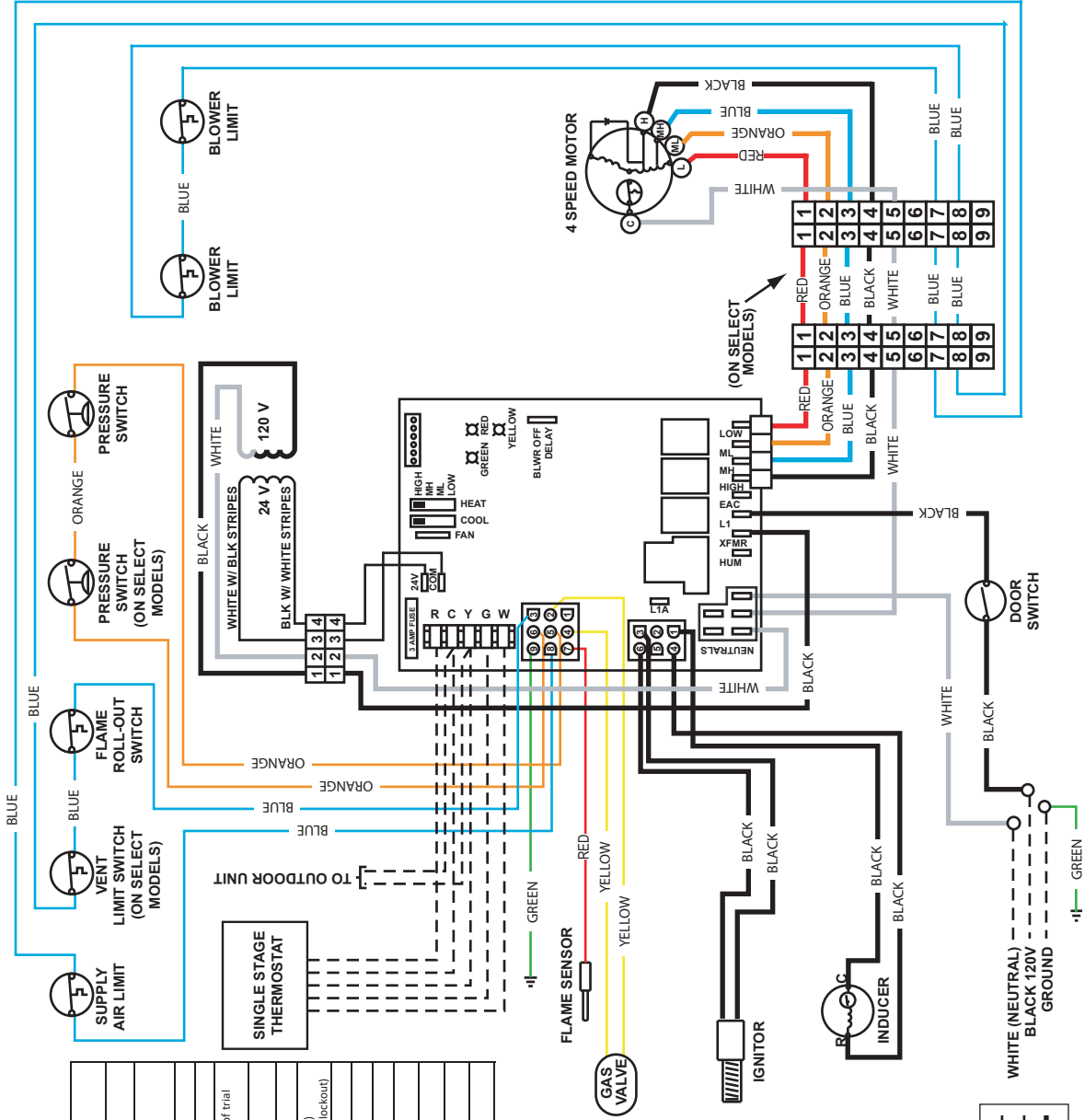
Refer to the Installation Instructions provided with the furnace for the proper heating and cooling speeds for your application.

If any of the original wire as supplied with the furnace must be replaced, it must be replaced with wiring material having a temperature rating of at least 105° C.

Use copper conductors only.



10492400
(New)
08/24



INSTALLATION INSTRUCTIONS

For G6,G7 and L1 Furnace Models

IMPORTANT SAFETY INFORMATION

Safety markings are used to designate a degree or level of seriousness and should not be ignored. **WARNING** indicates a potentially hazardous situation that if not avoided, could result in personal injury or death **CAUTION** indicate a potentially hazardous situation that if not avoided, may result in minor or moderate injury or property damage.



WARNING:

RISK OR ELECTRICAL SHOCK

Shut off all electrical power to the unit before performing any maintenance or service on the system. Failure to follow this warning can cause serious injury, fire, electrical shock, or death.

CAUTION:

Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

These instructions describe how to properly replace a single stage *G6/L1 and G7 control board with Channel Board 1046399.



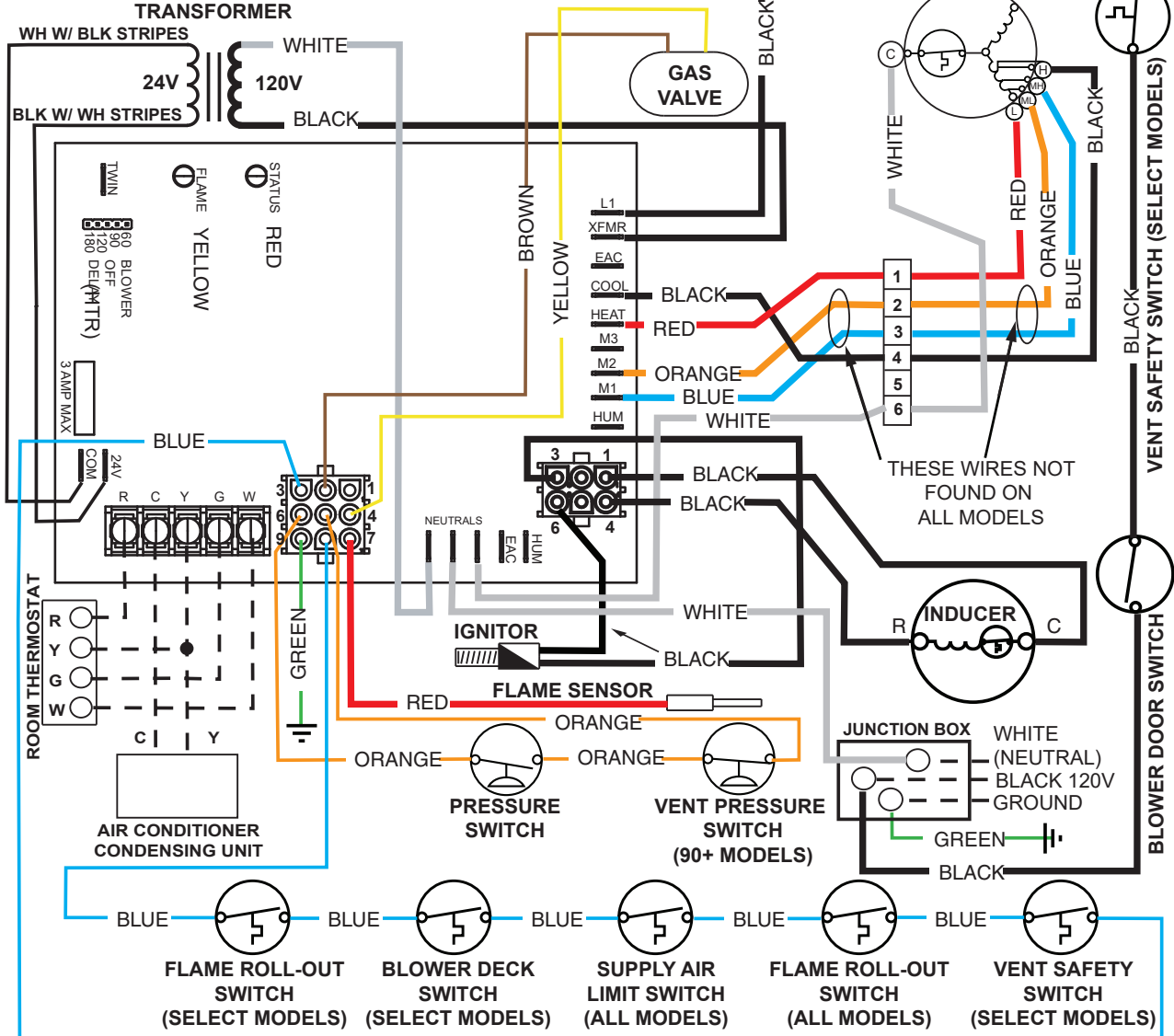
INSTALLATION PROCEDURES

1. Turn off the power supply to the furnace(s).
2. Remove the wires and connectors from the old board one at a time and connect them to the new control board as they are removed to avoid miswiring
3. Remove the old board by cutting off the mounting feet. NOTE: Use care to apply pressure only at the mounting studs.
4. Turn on the power supply and check the furnace for proper operation.



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For 80+ and 90+ Model Furnaces



GREEN LED	RED LED	YELLOW LED	INDICATION
ON	ON	OFF	System Idle – Normal Operation
OFF	OFF	OFF	No Power IFC Hardware Problem (Hard Lockout)
ALTERNATING FLASH	OFF	OFF	Lockout due to Failed Ignition (1 Hr. Soft Lockout)
		OFF	Lockout due to Pressure Switch Open (5 Min. Soft Lockout)
		OFF	Pressure Switch Open with Inducer On (After initial 80 seconds of trial when changing to 5 min soft lockout mode)
		FLASHING	Undesired Flame (1 Hr. Soft Lockout)
FLASHING	OFF	OFF	Limit Switch Open
FLASHING	ON	OFF	(Initial 80 seconds of trial) (Changes to Alternating Flash after 80 sec. and starts 5 Min. Soft lockout)
ON	FLASHING	OFF	Pressure Switch Closed with Inducer OFF
FLASH TOGETHER	OFF	OFF	115/120 VAC & Neutral reversed or No Ground (Hard Lockout)
OFF	FLASHING	OFF	Twinning Fault
FLAME SENSE STATUS			
ON	ON	ON	Good Flame Signal
ON	ON	FLASHING	Weak Flame Signal
ON	ON	OFF	No Flame Signal (during trial for ignition)

If any of the original wire as supplied with the furnace must be replaced, it must be replaced with wiring material having a temperature rating of at least 105 C. Use copper conductors only. Refer to the Installation Instructions provided with the furnace for the proper heating and cooling speeds for your application.

LEGEND:

FIELD WIRING	---
LOW VOLTAGE	---
HIGH VOLTAGE	---



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