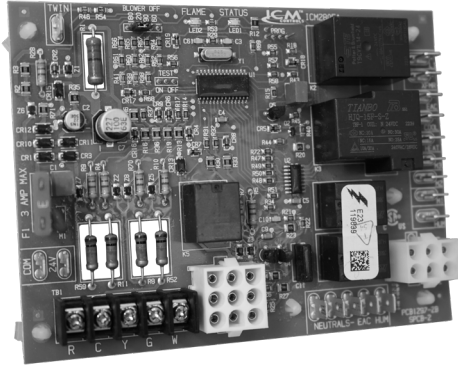




INSTALLATION, OPERATION & APPLICATION GUIDE

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DANGER: This board should be installed by a qualified technician only. Failure to follow these instructions could lead to property damage, personal injury or death.



CAUTION: Disconnect the power supply by turning off the appropriate circuit breaker for the furnace or by removing the appropriate fuse to disconnect power from the furnace before attempting to install this board.

SPECIFICATIONS

Line Voltage Range: 120/240VAC @ 60Hz

Ignitor: 5A, 120VAC

Cool Blower: 10A, 2HP, 240VAC

Heat: 5A, 1/2 HP, 250VAC

Inducer Blower: 4A, 120VAC

Gas Valve: 1A, 24VAC

Humidifier Motor: 0.5A, 24VAC

Electronic Air Cleaner: 1A, 120VAC

G3RC AND G4 FURNACE MODELS (SEE FIG. 1)

1. Turn off power to the furnace by removing the fuse or switching off the circuit breaker.
2. Remove wires and connectors from the old board one at a time. Connect each one to the **ICM2805A** as you go to avoid wiring errors. Remove the mounting screws and take out the old control board.
3. Fold this guide in half vertically (like a book). Place the template inside the control box and tape it in place. Move wires out of the way and drill four 3/16" holes as shown. Remove and discard the template.
4. Install the **ICM2805A** with the fuse facing up by pressing the standoffs into the mounting holes.
NOTE: Do not bend the circuit board. Only press on the standoffs.
5. Cut the blue wire at position #4. Strip back 3/8" of insulation. Insert the provided blue wire into position #1. Reconnect the 6-pin connector and connect the two loose blue wires together using the provided wire nut. Wrap the connection with electrical tape so it stays secure.
6. Restore power and check that the furnace operates correctly.

G6, M2 & M3 FURNACE MODELS (NO MODIFICATIONS REQ.)

1. Turn off power to the furnace by removing the fuse or switching off the circuit breaker.
2. Remove wires and connectors one at a time, reconnecting them to the **ICM2805A**.
3. Remove the old board by cutting off the standoffs. Install the **ICM2805A** in the same location by snapping it into the mounting holes.
NOTE: Do not bend the circuit board. Only press on the standoffs.
4. Turn power back on and check furnace operation.

G5 FURNACE MODELS (NO MODIFICATIONS REQ.)

1. Turn off power to the furnace by removing the fuse or switching off the circuit breaker.
2. Remove wires and connectors from the old board one at a time, reconnecting them to the **ICM2805A** to avoid mistakes.
3. Remove the screw holding the old board and take out the board. Fold this guide in half vertically like a book, such that each half is 8.5 x 11. Place the template over the bracket and tape it in place. Move wires aside and drill four 3/16" holes as shown. Remove and discard the template.
4. Install the **ICM2805A** with the fuse facing up and press standoffs into the mounting holes.
NOTE: Do not bend the circuit board. Only press on the standoffs.
5. Turn power back on and verify proper operation.

MODIFICATION IS REQUIRED FOR G3RC AND G4 MODELS ONLY.

If the P2 plug has 4 black wires in positions 1 and 4, 3 and 6; the modification is not required.

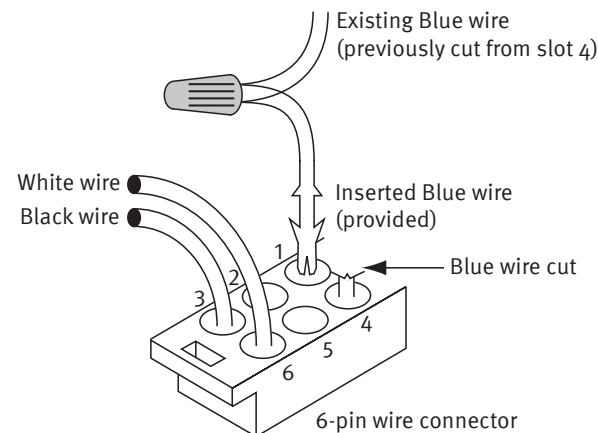
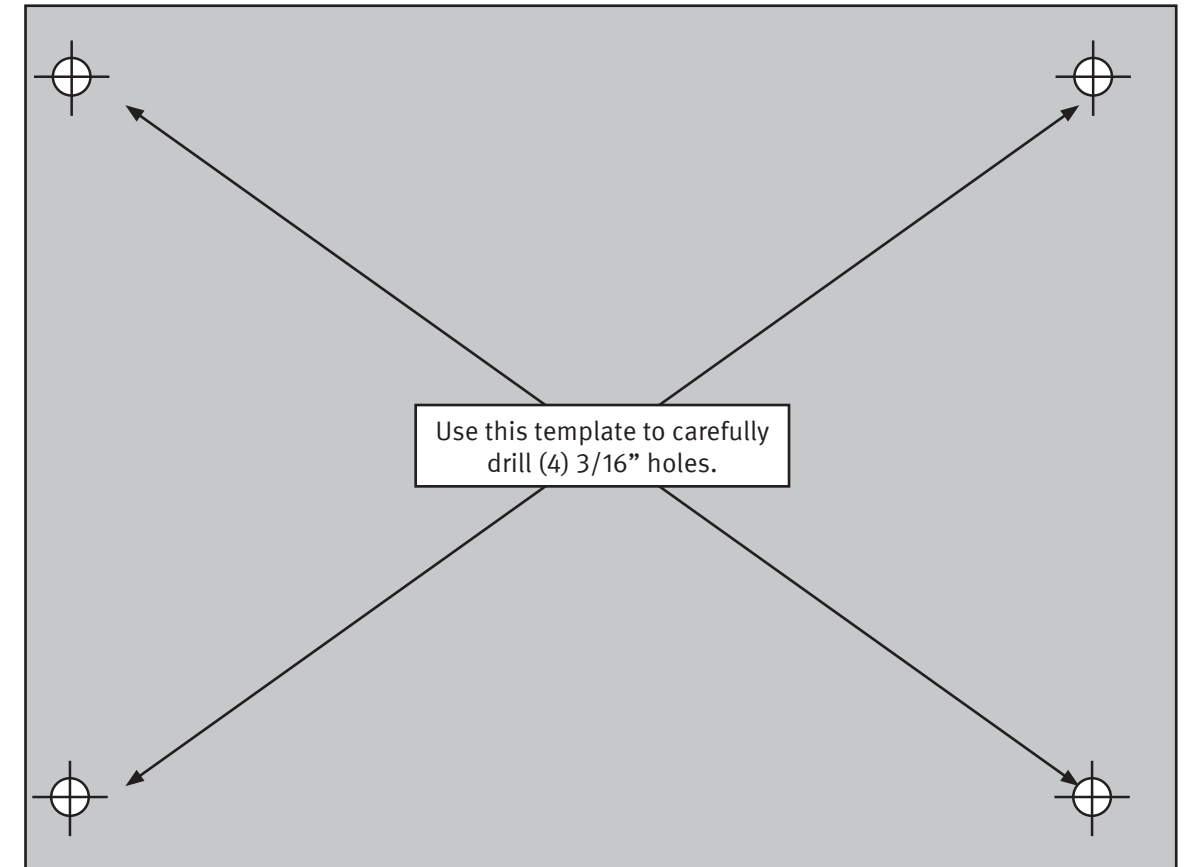


Figure 1

All G4 and G5 furnaces, except G5RL Models:

Place this corner of the template in the corner of the control box, next to cutout (G4), or on lower-right corner of mounting panel (G5)



G5RL Models: Fold back on line

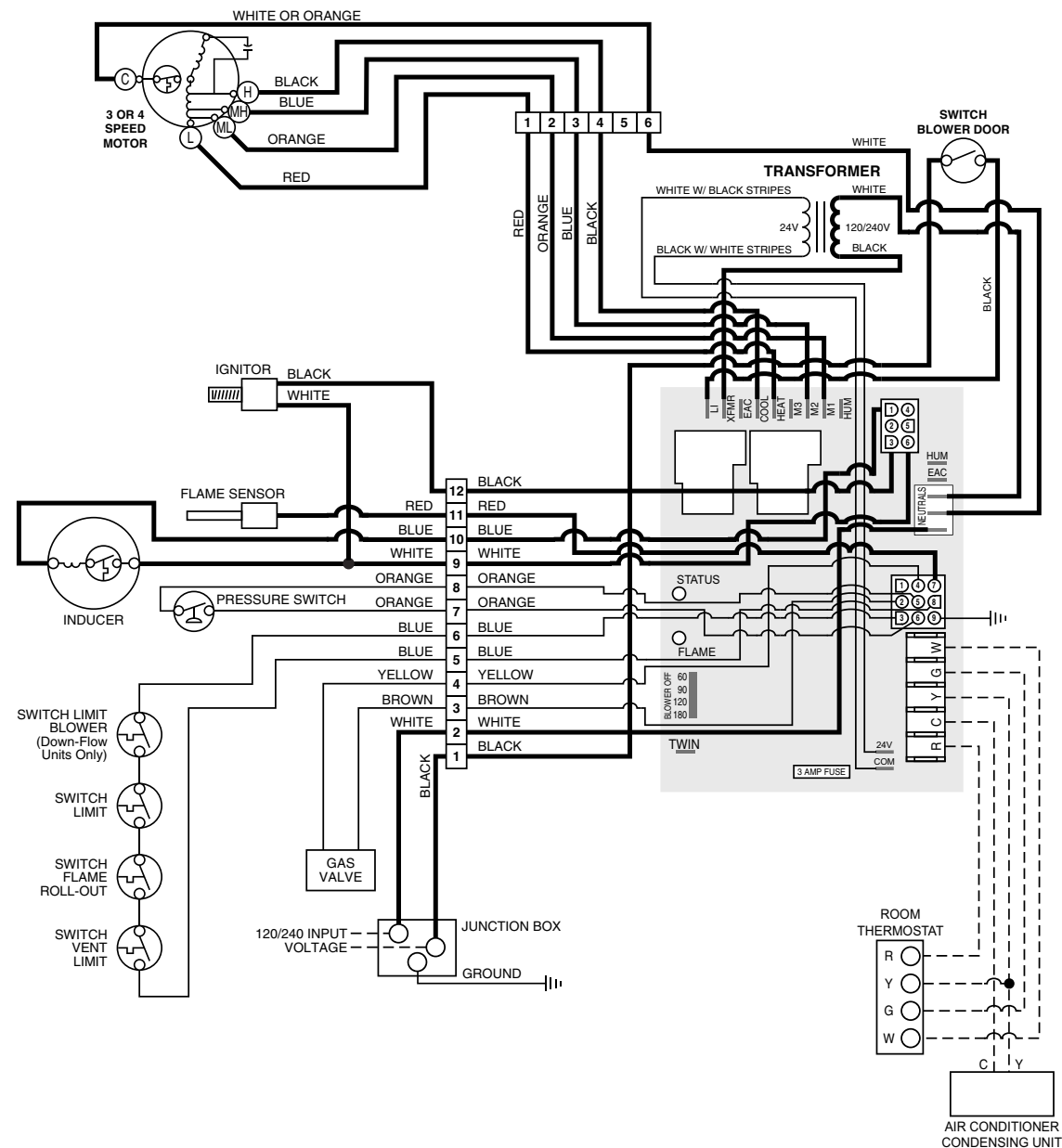
G5RL Models only: Fold paper back along dashed line and place this corner on lower-left corner of mounting panel.



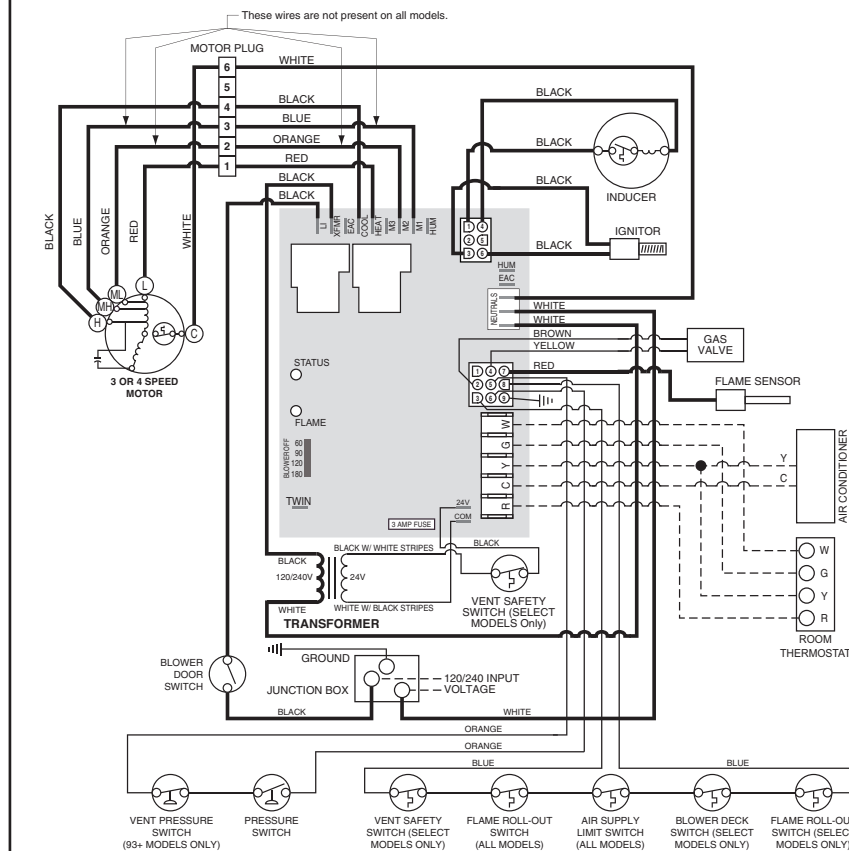
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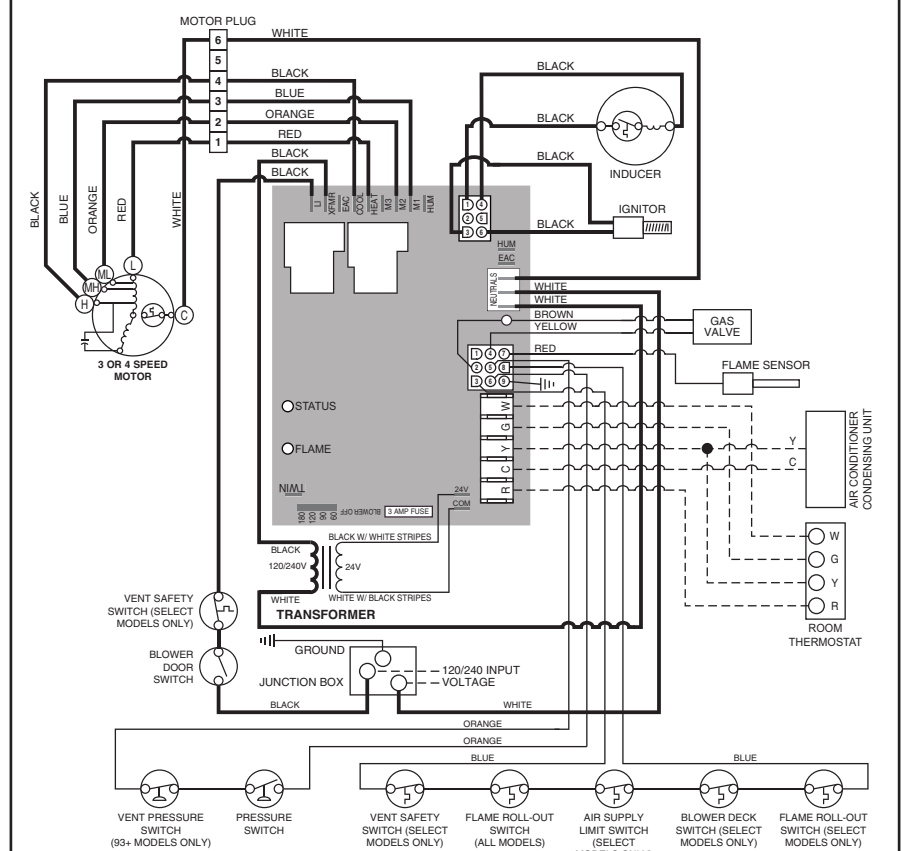
FOR MODELS G(3,4)R(-) GAS FURNACES WITH UTEC CONTROL BOARD #624631



FOR 80+ AND 90+ MODEL FURNACES



FOR MODELS G5R(-) GAS FURNACE WITH UTEC CONTROL BOARD #624631



FAULT CONDITION	STATUS RED LIGHT
Power ON	ON
Limit circuit open	1 FLASH
Pressure switch stuck open	2 FLASHES
Pressure switch stuck Closed	3 FLASHES
Ignition failure (check ground)	4 FLASHES
115 VAC & Neutral reversed or no ground	5 FLASHES
False flame or gas relay shorted	Continuous
Power OFF	OFF

FAULT CONDITION	FLAME YELLOW LIGHT
Low flame sensor signal	Continuous flash
Flame present	ON

NOTE:
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.

LEGEND	
• Field Wiring	-----
Factory Wiring:	_____
• Low Voltage	=====
• High Voltage	=====