

RELAY REWORK INSTRUCTIONS

Single Package Gas Heating / Electric Cooling

1. Turn off all power to the unit. Verify there is no voltage to the unit with a multimeter.
2. Remove the #8 Brown wire from the existing relay and add the brown 4" extension wire.
3. Remove the #12 Black wire from the existing relay and add the black 4" extension wire.

Diagram of existing relay noting the wire numbers in steps #2 and #3.

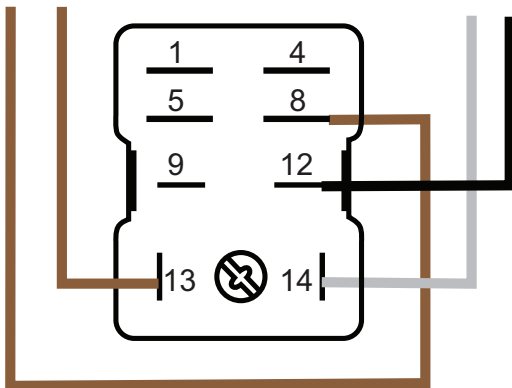
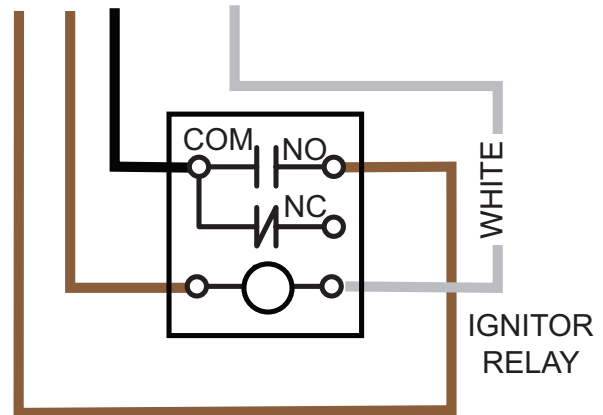


Diagram of New relay and wiring



11. Note: the "NC" on this relay is unused.
12. Ensure the wiring is per the wiring diagram with this document.
13. Apply power to the unit and verify the heating cycle.

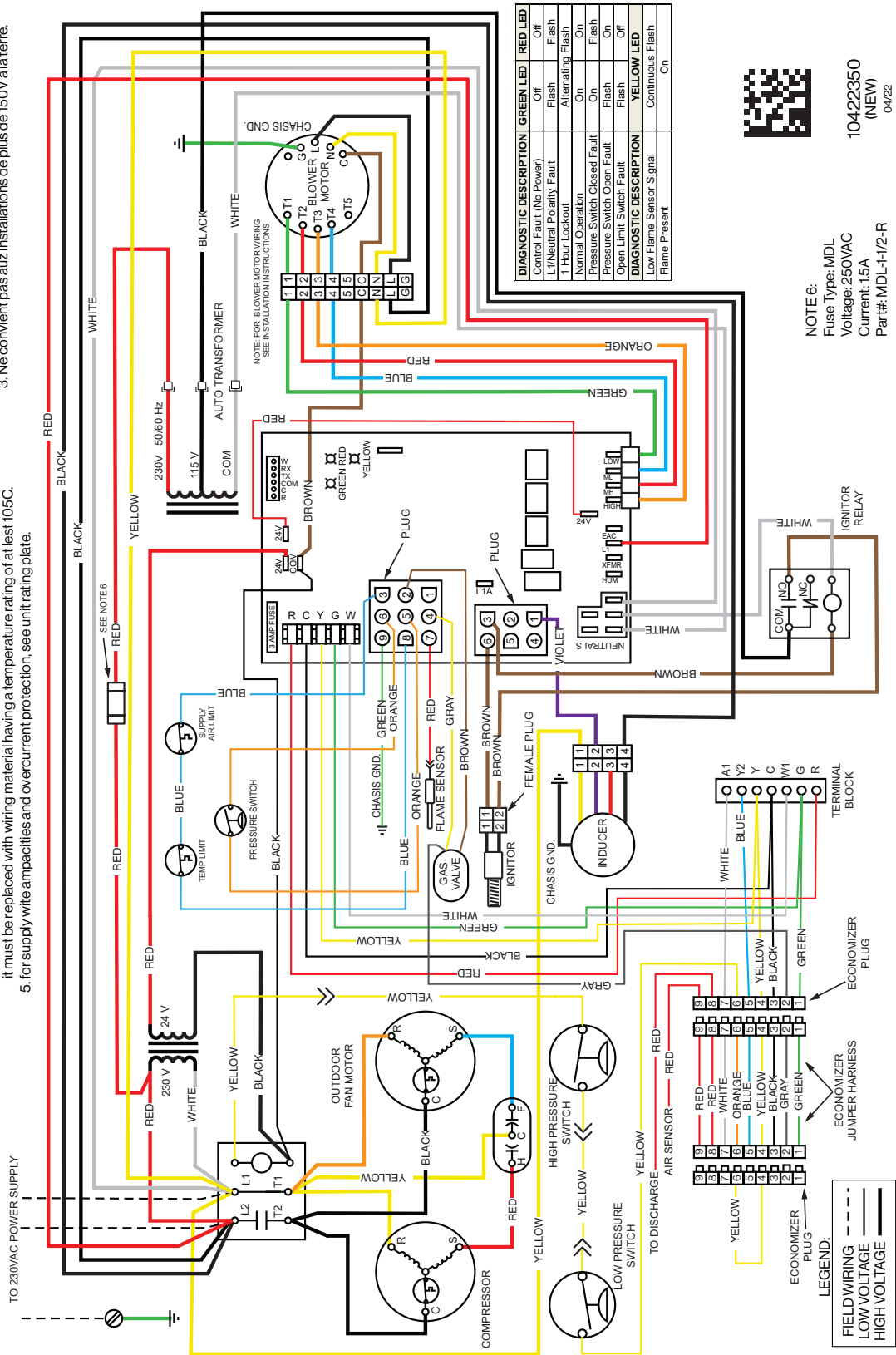
4. Remove the #13 and #14 wire from the existing relay and let them hang until step 11.
5. Remove the existing relay.
6. A new hole will have to be drilled 1.7" from the bottom hole to accommodate the new relay.
7. Attach the new relay part number 622180 to the control panel.
8. Attach the Brown wire with the brown extension wire to "NO" on the relay.
9. Attach the Black wire with the black extension wire to the "COM" on the relay.
10. Attach the Brown and white coil relay terminals. These have smaller 3/16" terminals and cannot be placed on any other connection points.

Packaged Ultra Low NOx Single Stage Gas Heat/Electric Air Conditioner

230 Volt	Single Phase	60Hz
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1. Couper le courant abantaire l'entretien.
2. Employer uniquement des conducteurs en cuivre.
3. Ne convient pas aux installations de plus de 150V a la terre.

3. Not suitable on systems that exceed 150V to ground.
4. 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 105C.
5. For supply wire ampacities and overcurrent protection, see unit rating plate.



NOTE 6:
Fuse Type:MDL
Voltage: 250VAC
Current: 1.5A
Part#: MDL-1-1/2-F

DIAGNOSTIC DESCRIPTION	GREEN LED	RED LED
Control Fault (No Power)	Off	Off
L/Neutral Polarity Fault	Flash	Flash
1 Hour Lockout	Alternating Flash	
Normal Operation	On	On
Pressure Switch Closed Fault	On	Flash
Pressure Switch Open Fault	Flash	On
Open Limit Switch Fault	Flash	Off
DIAGNOSTIC DESCRIPTION	YELLOW LED	
Low Flame Sensor Signal	Continuous Flash	
Flame Present	On	

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