REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED

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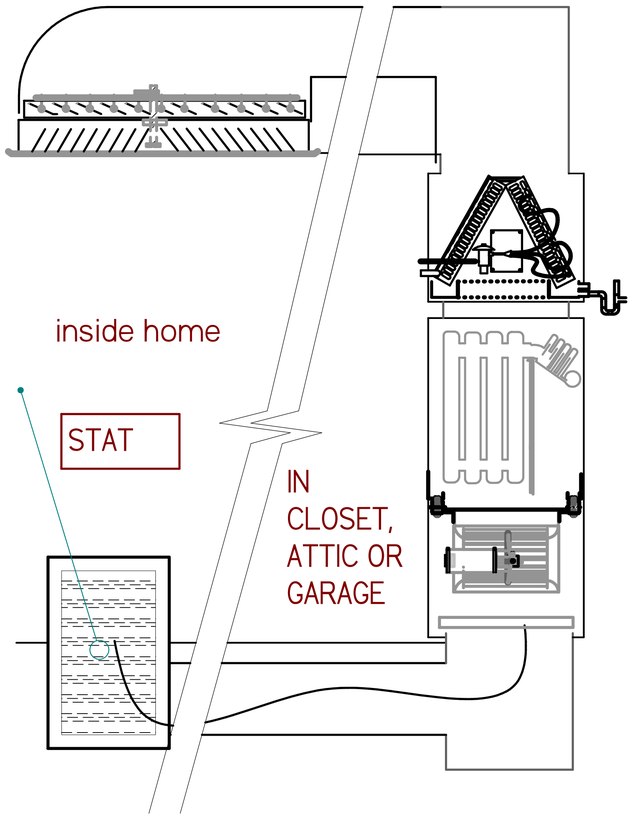
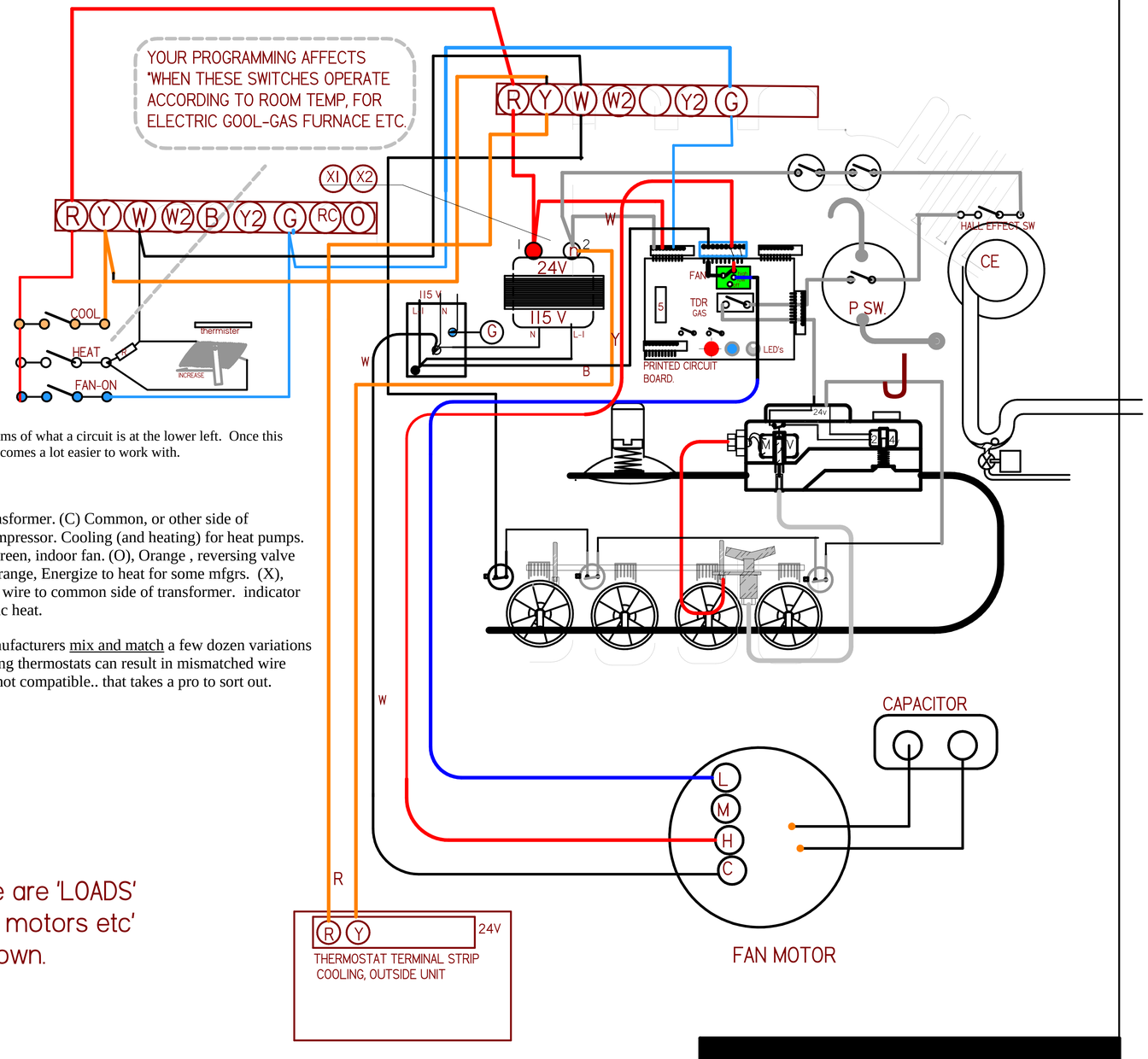
This is a 'wiring diagram' it shows where the wires actually connect. Schematic Diagrams are simpler but not as easy to use in the field. See DWG #4 of 8 in this series for schematics.



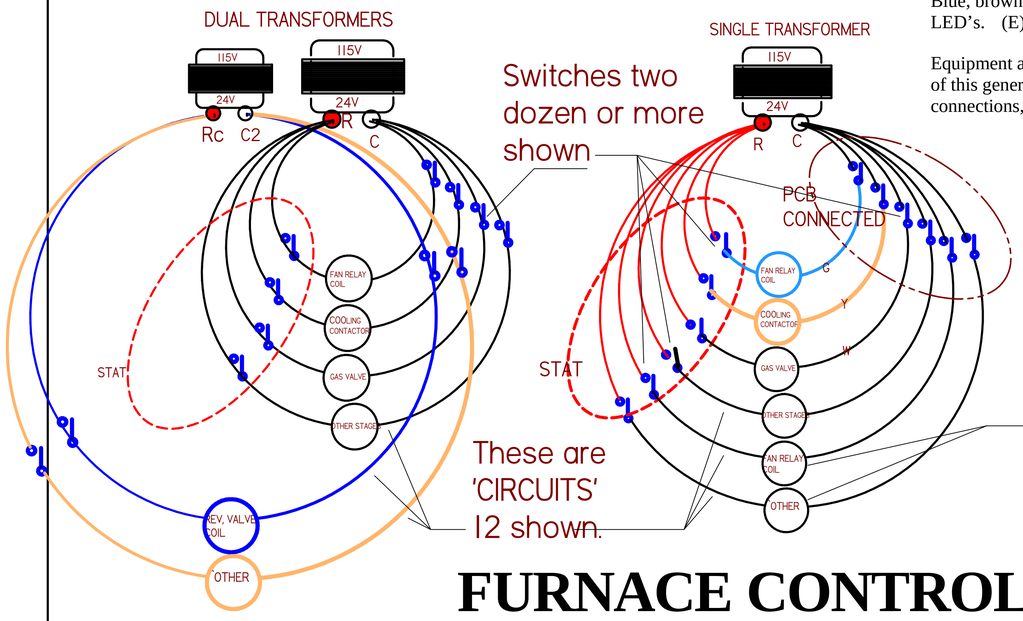


First examine the simplified diagrams of what a circuit is at the lower left. Once this simple concept is grasp, the rest becomes a lot easier to work with.

Color codes:

(R), Red, 24v source at the transformer. (C) Common, or other side of transformer. (Y), Yellow, Compressor. Cooling (and heating) for heat pumps. (W), (W2) White, Heat. (G), Green, indoor fan. (O), Orange , reversing valve on heat pumps (B), Blue or Orange, Energize to heat for some mfgrs. (X), Blue, brown or Black, an extra wire to common side of transformer. indicator LED's. (E) emergency electric heat.

Equipment and thermostat manufacturers mix and match a few dozen variations of this general format. Changing thermostats can result in mismatched wire connections, the diagrams are not compatible.. that takes a pro to sort out.



FURNACE CONTROLS. Training purposes only.

Generic diagram, for orientation and basic principles reference only. Not specific equipment.

FURNACE CONTROLS 3 of 8