Common Wiring Diagrams

for Burners and Controls

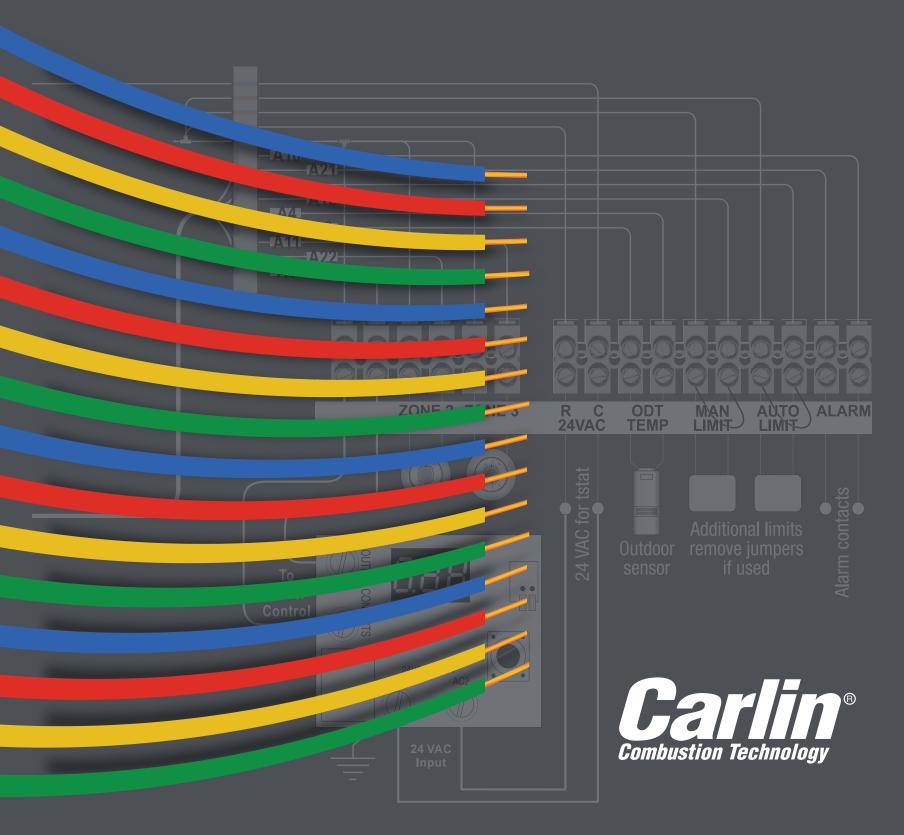
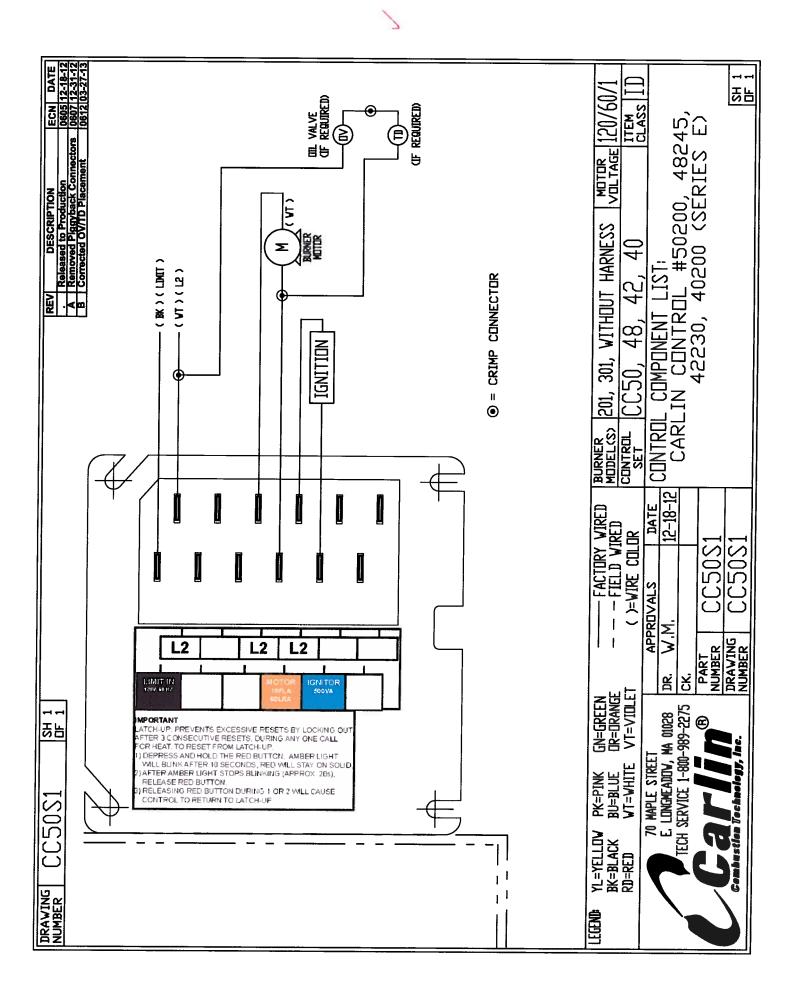
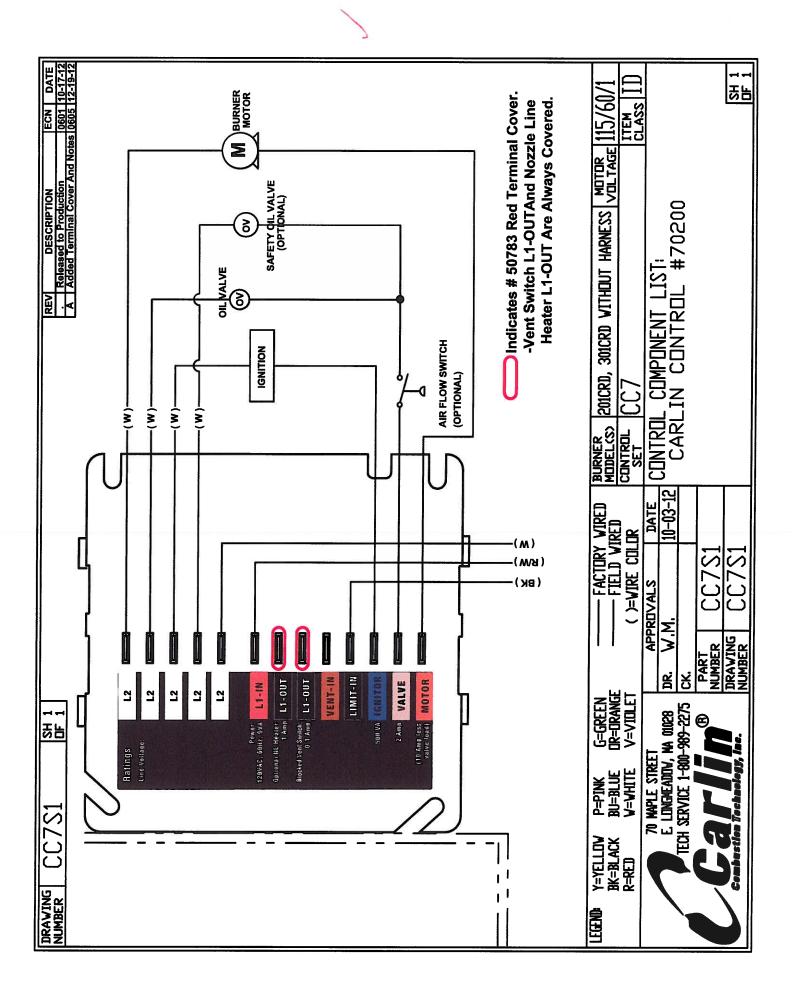
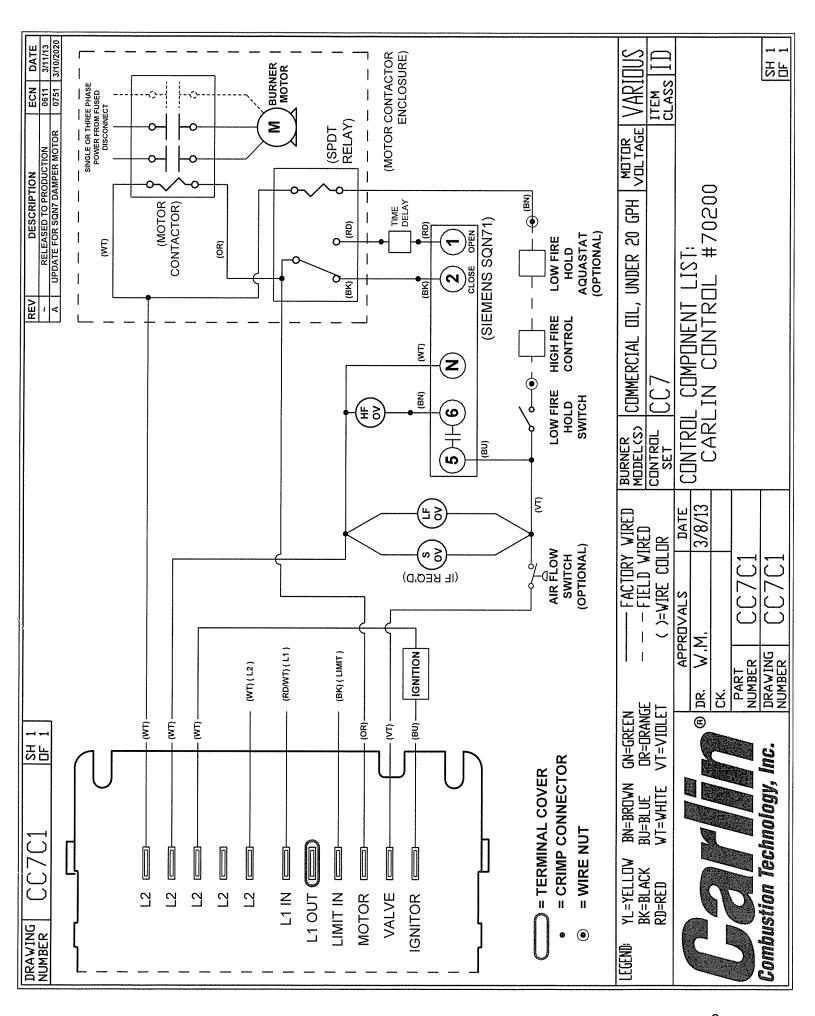


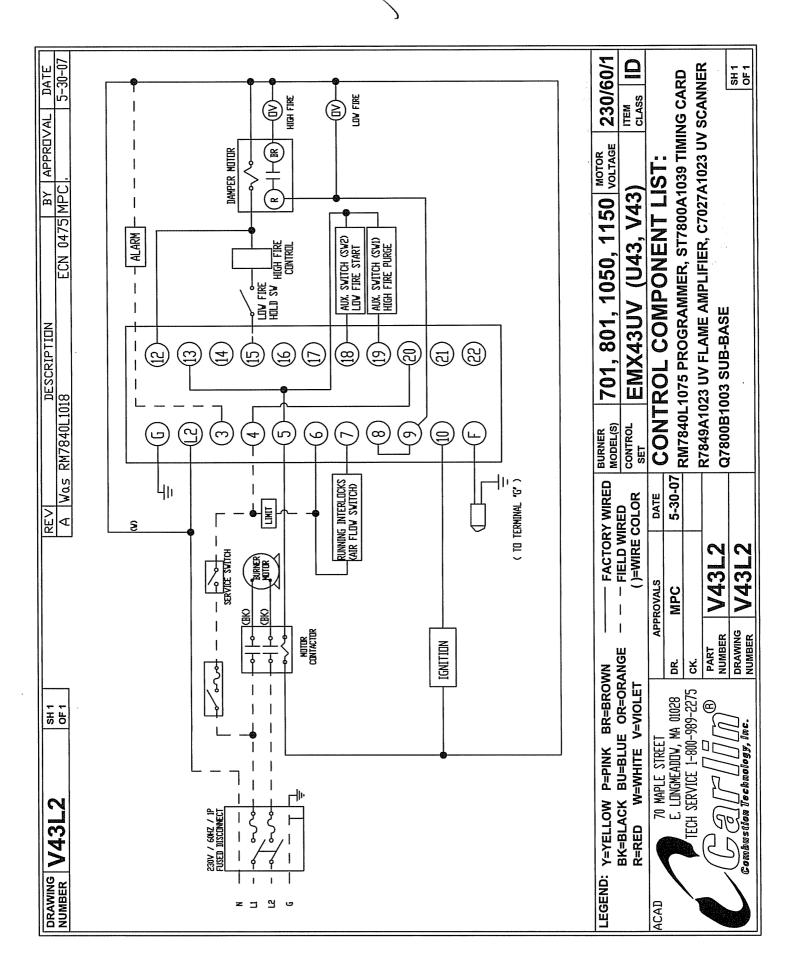
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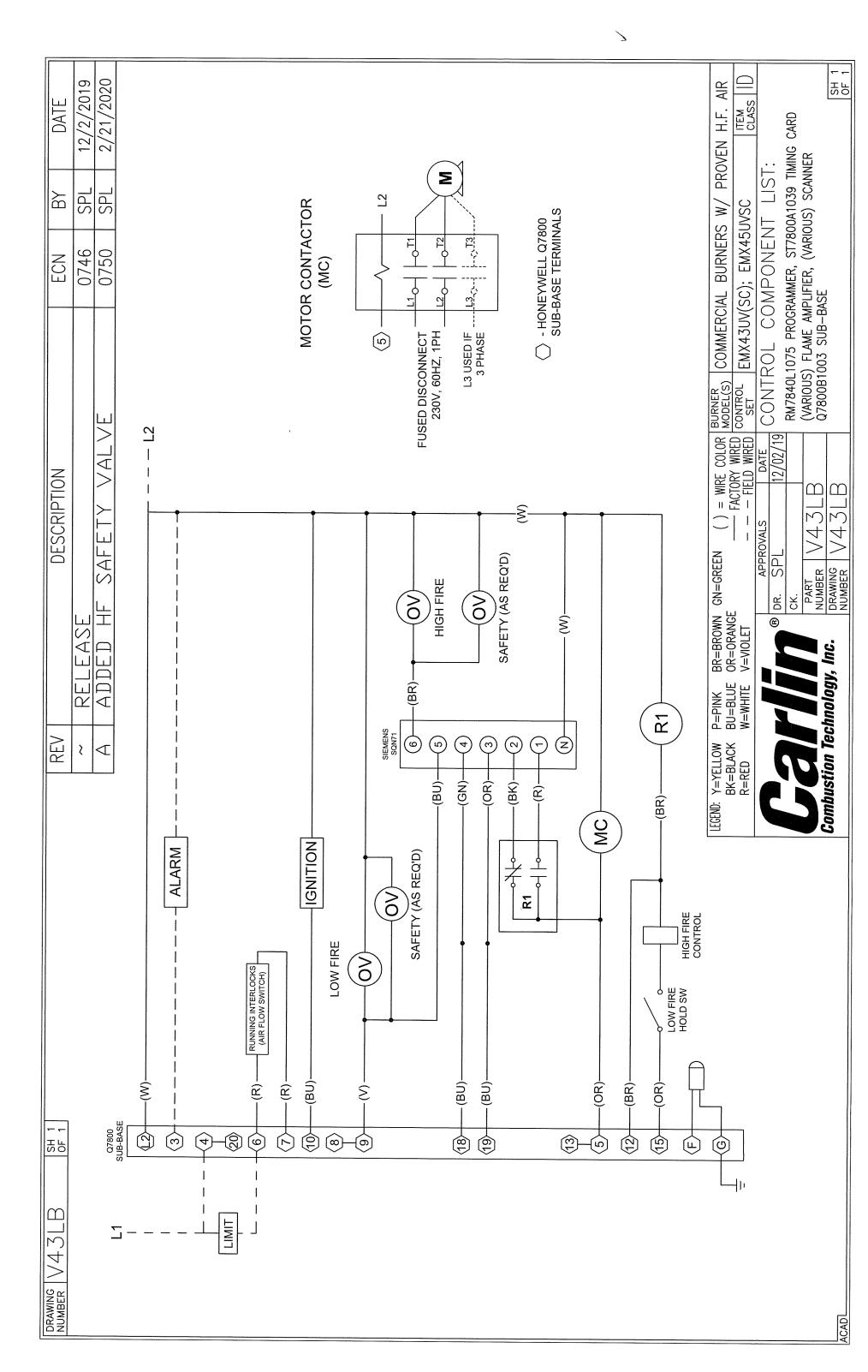
	Burner/ Control	Wiring Variation	Page
Oil Burners	201CRD, 301CRD, 601CRD	w/ 40200	1
	201CRD - 601CRD	w/ 70200	2
	702CRD - 1050FFD (Under 20GPH)	w/ 70200	3
	701CRD-1150FFD	w/ EMX43UV (U43, V43)	4
	1050FFD (over 20GPH)	w/ EMX43UV	5
Gas Burners	201GAS	W/ 60200FR	6
	301GAS, 601GAS	W/ 60200FR	7
	702GAS	w/ RM7897C	8
	801GAS	w/ RM7897C	9
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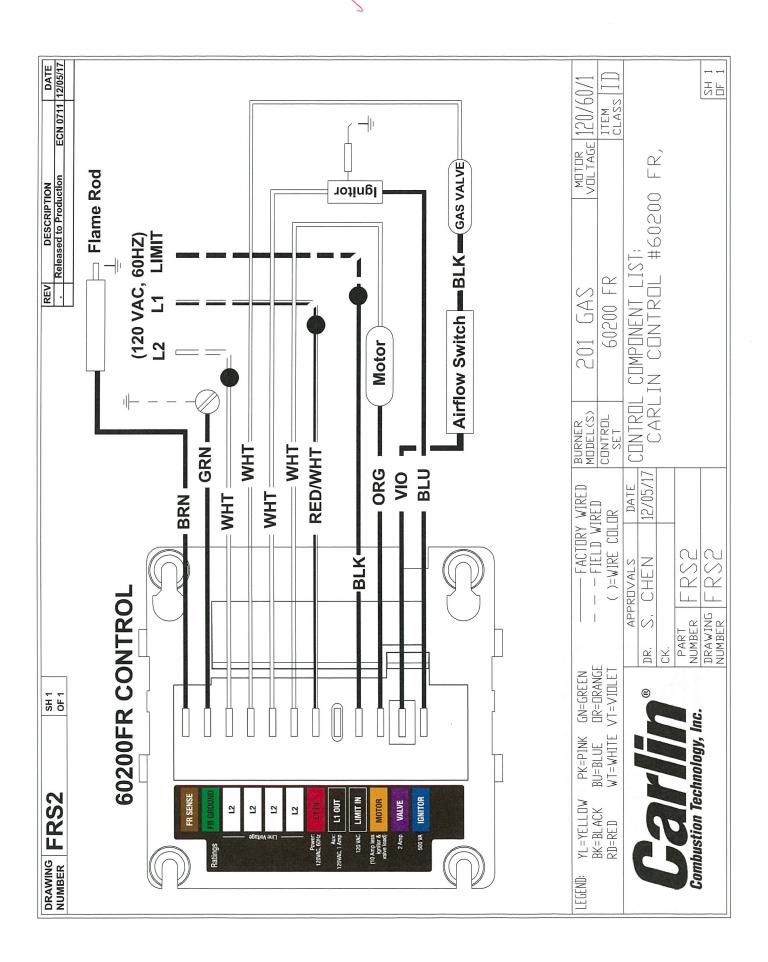


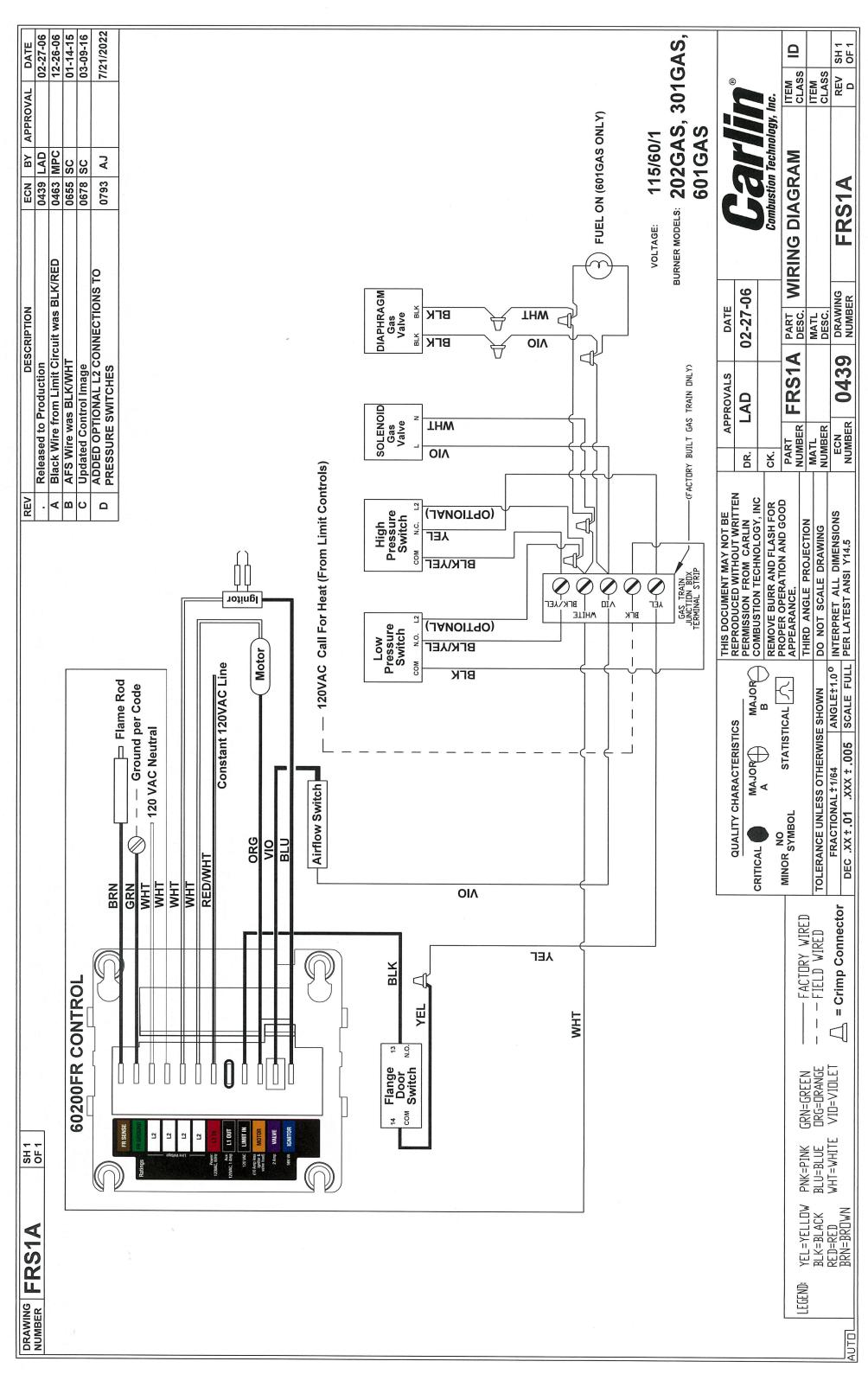


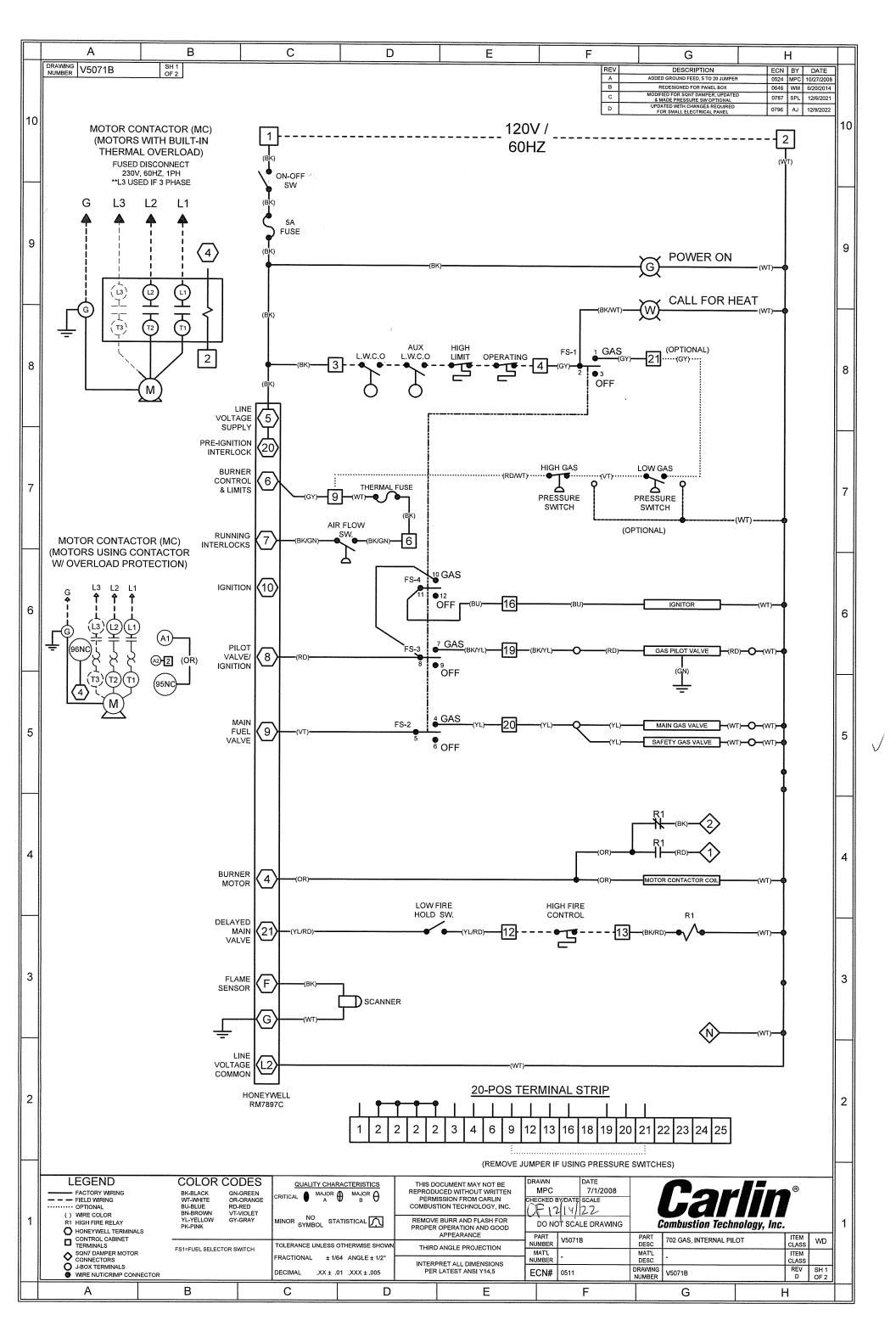


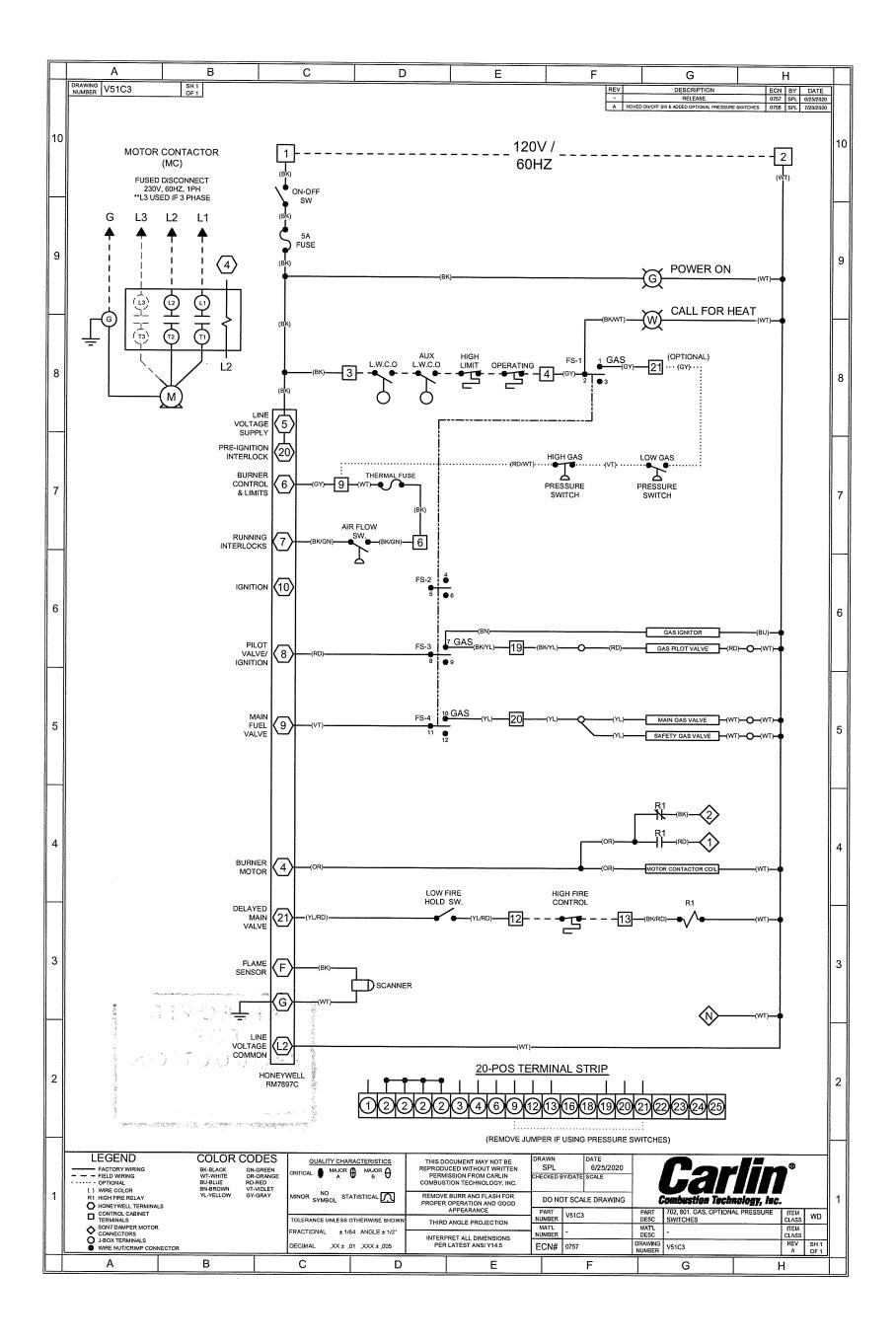


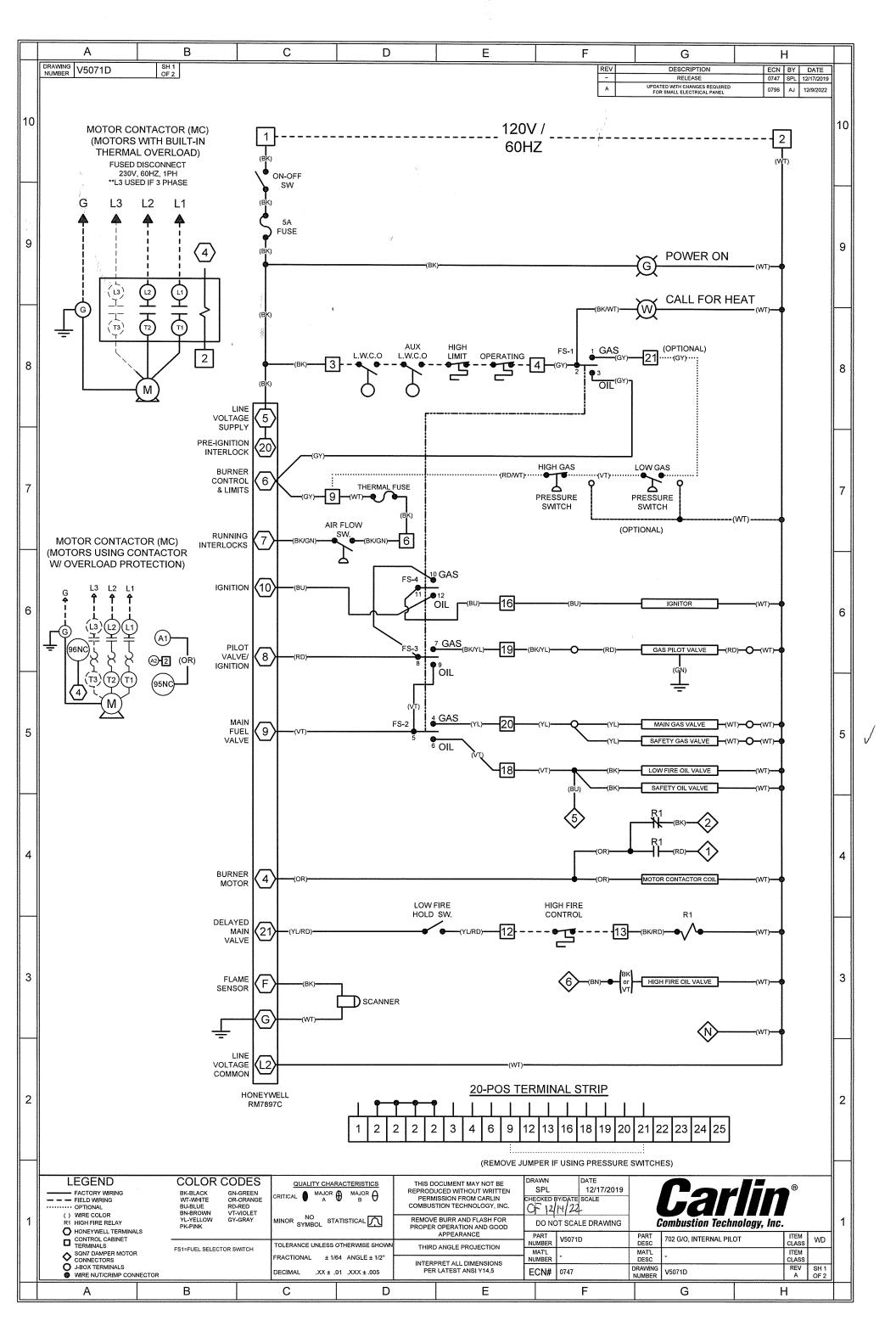


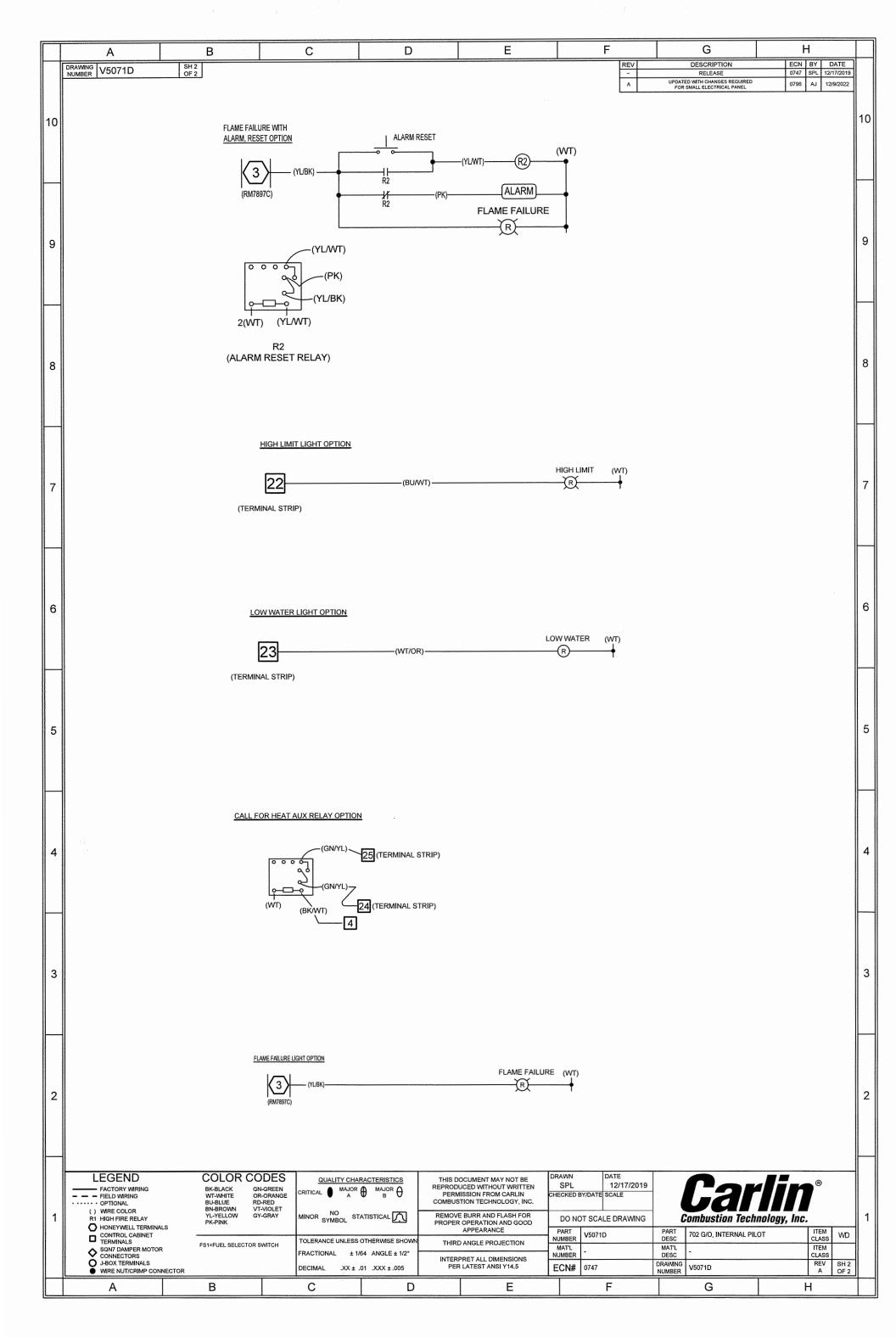


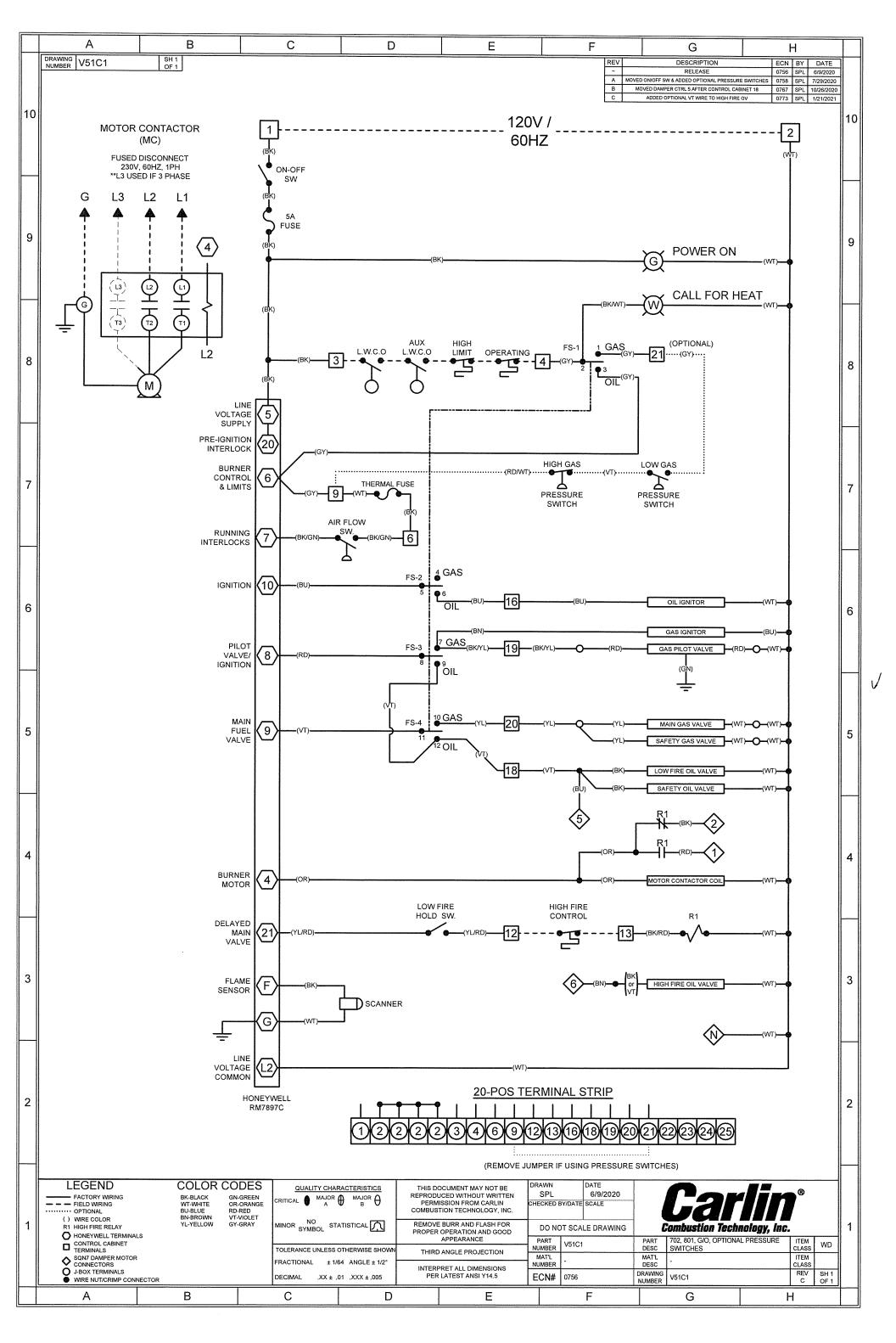




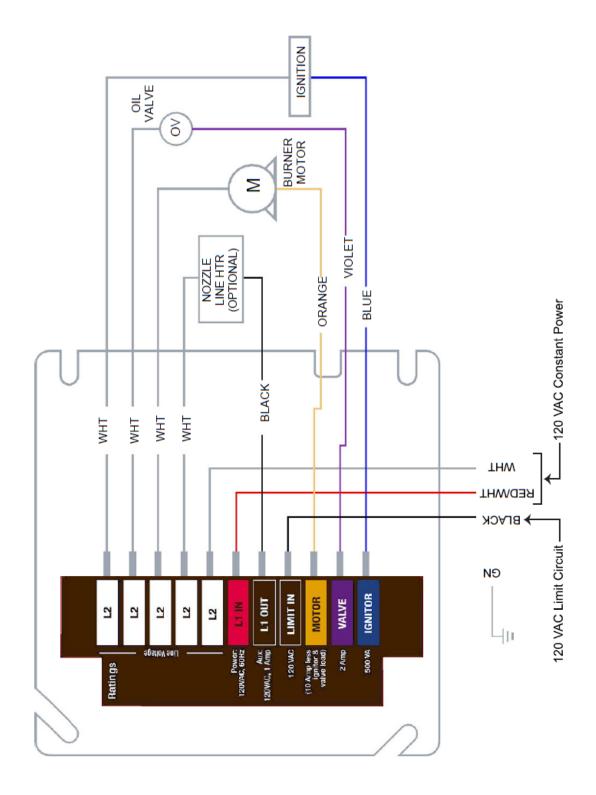






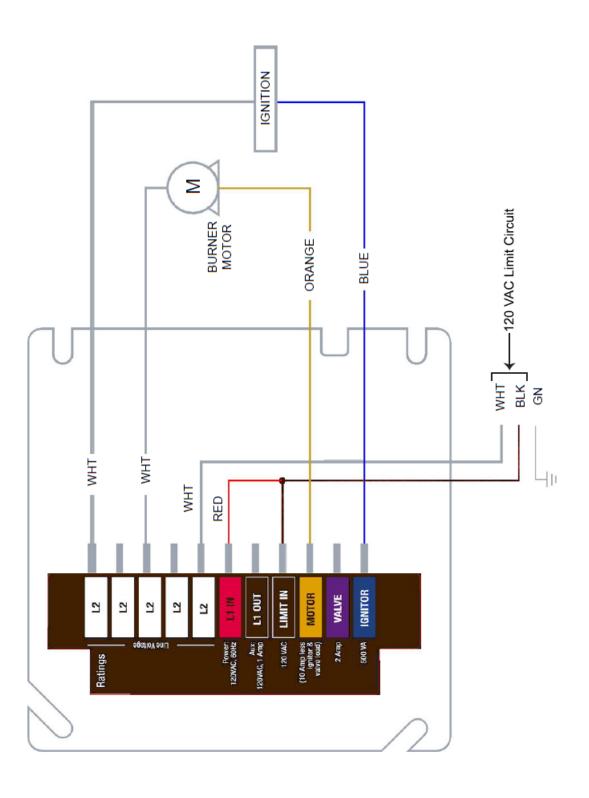


6-Wire Recommended Wiring

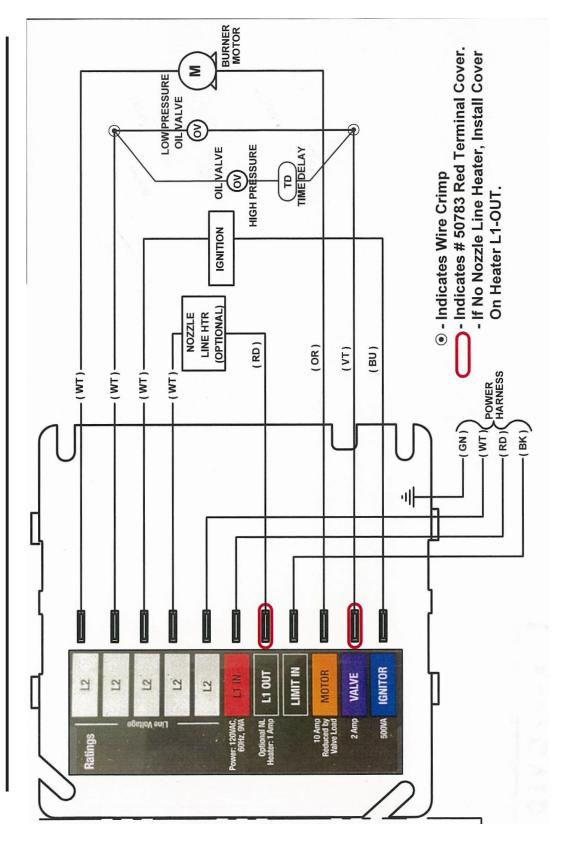


3-Wire Replacement Wiring

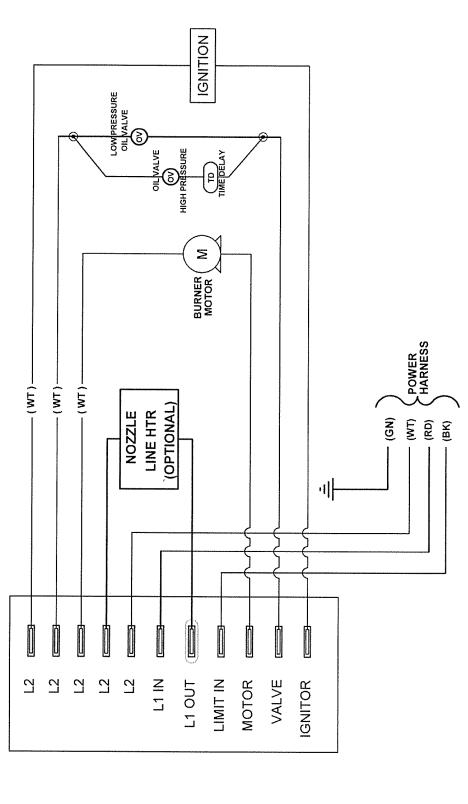
NOTICE: When connecting to BLACK power harness wire, without constant L1 power, wire nut together L1 (RED) and Limit In (BLACK) from control.



6-wire with 4-second time delay



with 2-stage pump (Burner Model EZ-66)



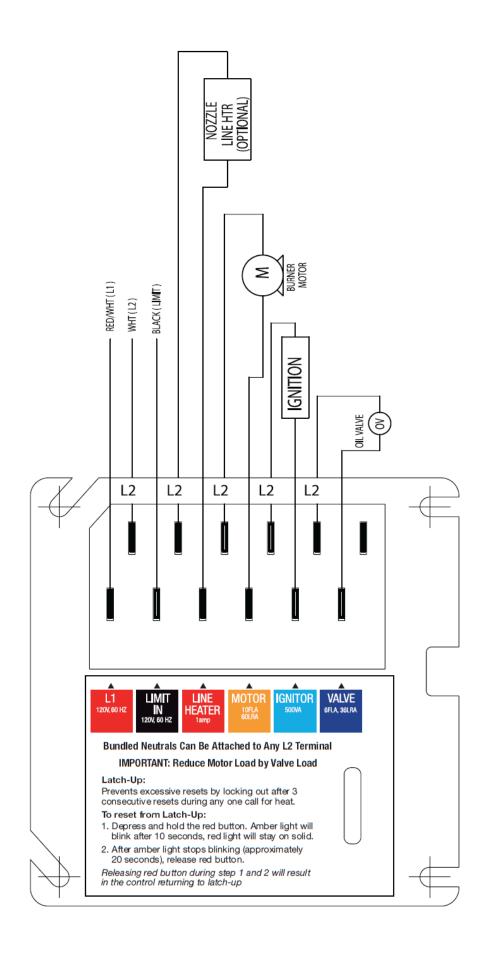
Indicates # 50783 Red Terminal Cover.
- If no Nozzle Line Heater, Install Cover On Heater L1-OUT.

• = CRIMP CONNECTOR

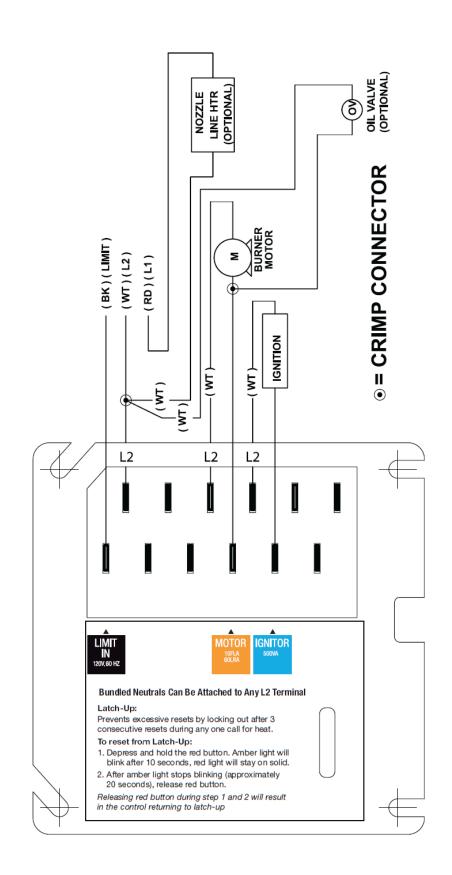
#70200 CONTROL

CONTROL SET 70200
4 SECOND TIME DELAY
BURNER MODEL: 4 VIRE HARNESS W/LI=RD
MOTOR VOLTAGE: 115/60/1

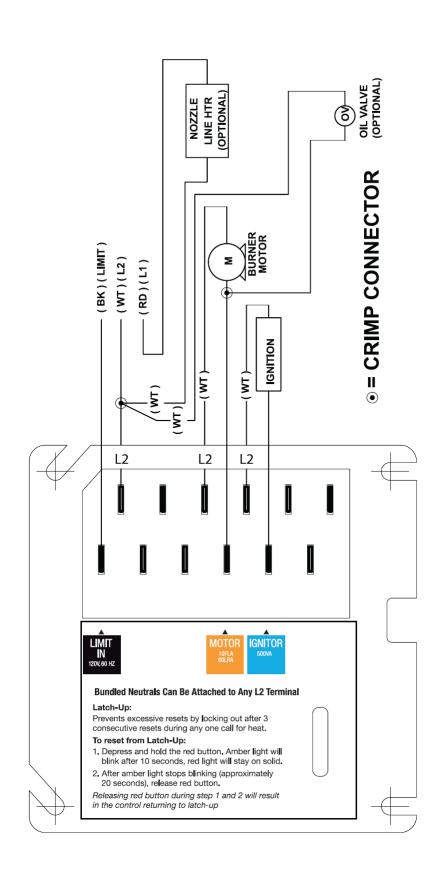
Model 60200 Oil Primary Control Residential Factory Wiring



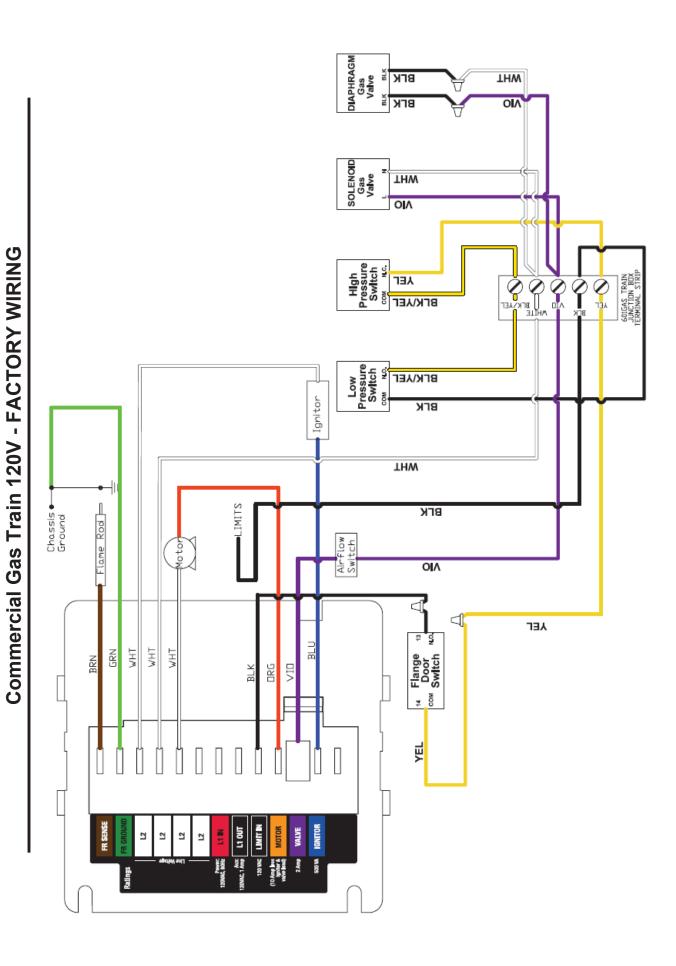
Model 50200 Oil Primary Control Residential Factory Wiring



Model 40200/ 42230 Oil Primary Control Residential Factory Wiring

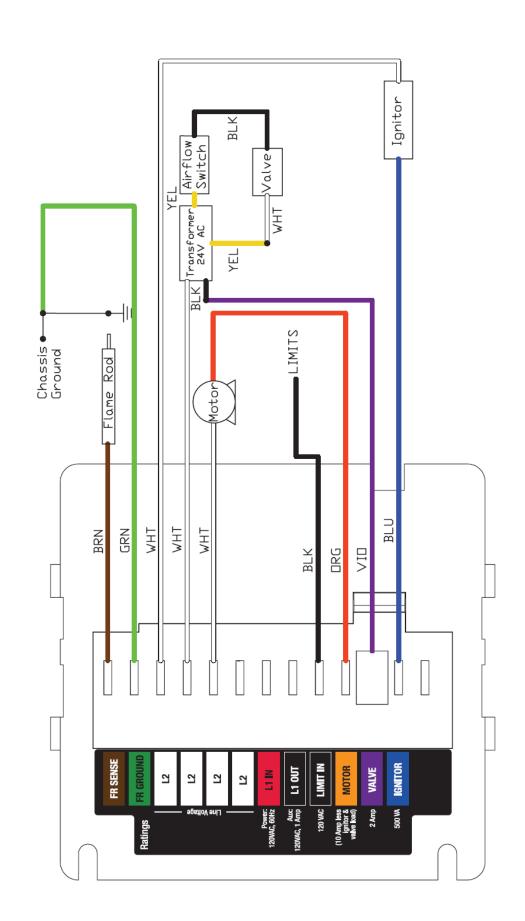


Model 60200FR Gas Burner Primary Control



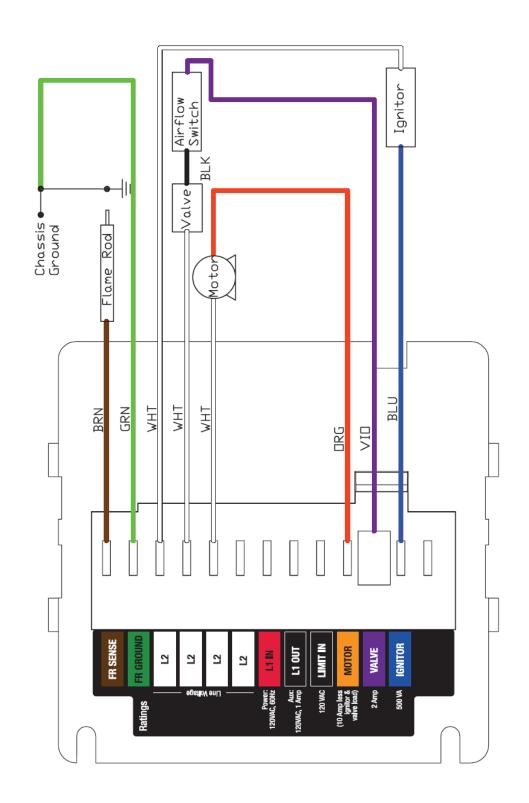
Model 60200FR Gas Burner Primary Control

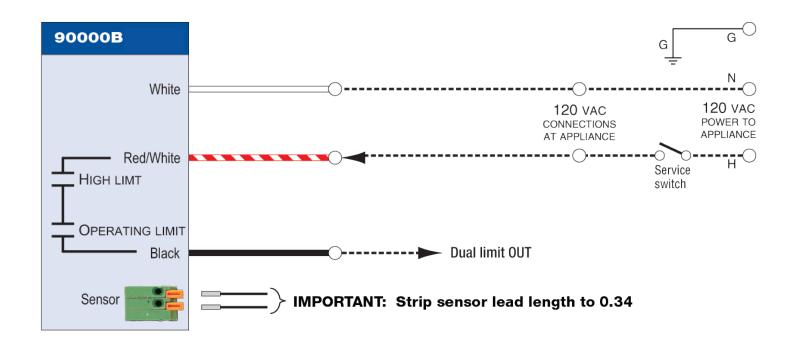
EZGas Pro 24V - FACTORY WIRING

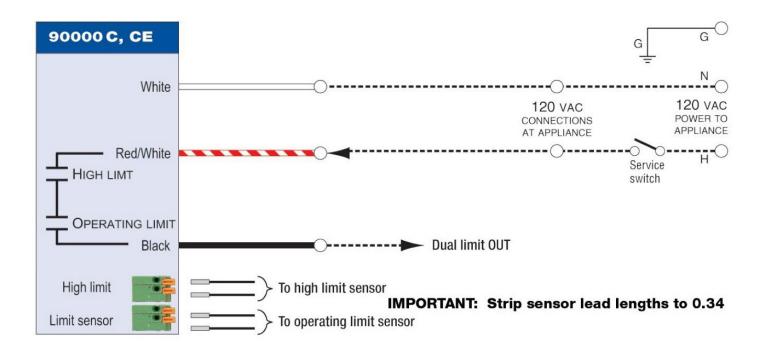


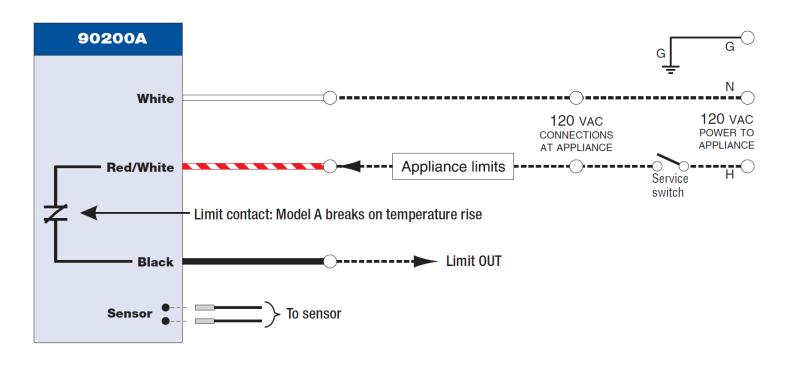
Model 60200FR Gas Burner Primary Control

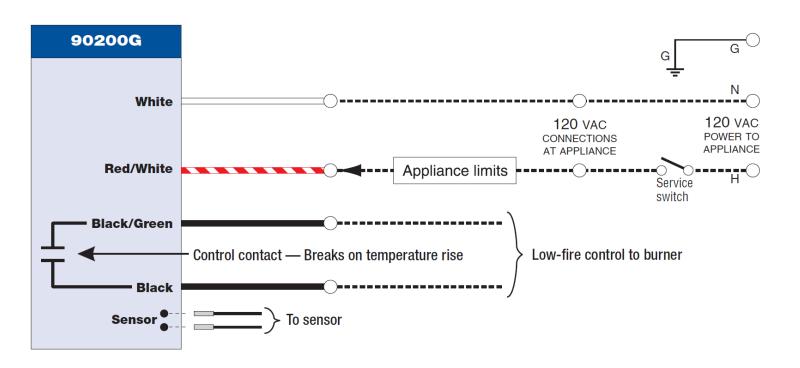
EZGas Pro 120V - FACTORY WIRING



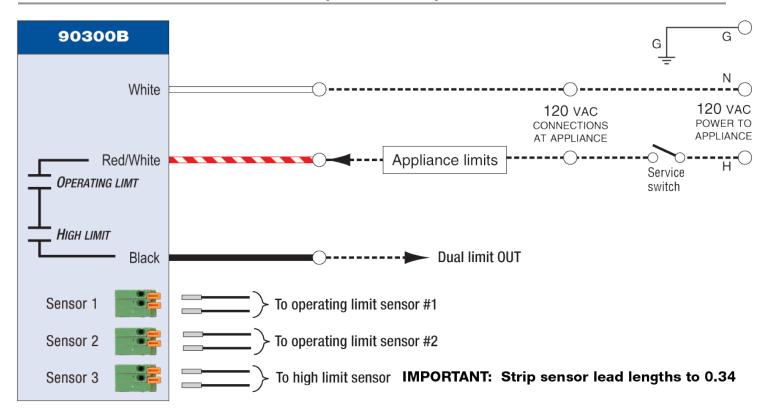




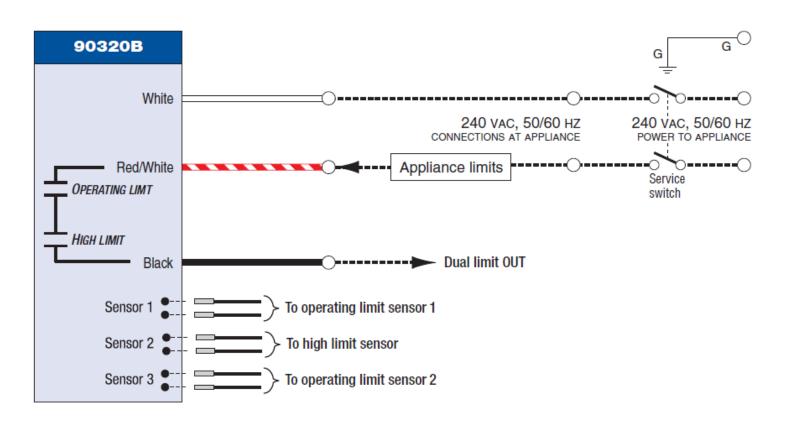


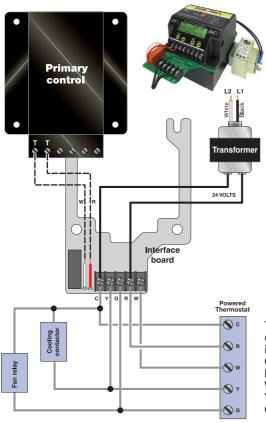


Model 90300 Microprocessor Temperature Controls



Model 90320 Microprocessor Temperature Controls





Smart Thermostat/ Constant Powered Thermostat wired into the burner primary control

WARNING: Wiring must comply with local and national electrical codes.

- Remove the factory installed jumper from the T-T terminals of the burner primary control.
- Connect the red and white wires from the Kool Kit board to the T-T terminals on the burner primary control. The wires are not polarity sensitive.
- Connect the thermostat terminals to the Kool Kit interface board as shown.

Note: Thermostat designations may vary depending on the thermostat brand. Refer to the thermostat wiring instructions for the proper terminal designations.

(Optional) Connect the cooling contactor and the fan relay to the Kool Kit interface board as shown.

The following are common thermostat terminal designations. Refer to your thermostat installation/wiring instructions for the proper terminal designations.

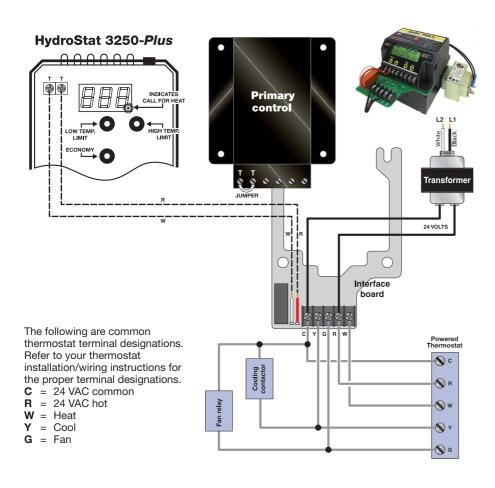
C = 24 VAC common

 \mathbf{R} = 24 VAC hot

W = Heat

Y = Cool

G = Fan



Smart Thermostat/ Constant Powered Thermostat wired into the HydroStat 3250-Plus

WARNING: Wiring must comply with local and national electrical codes.

- Verify the factory installed jumper is installed on the T-T terminals of the burner primary control.
- Connect the red and white wires from the Kool Kit board to the T-T terminals on the HydroStat 3250-Plus. The wires are not polarity sensitive.
- 3. Connect the thermostat terminals to the Kool Kit interface board as shown.

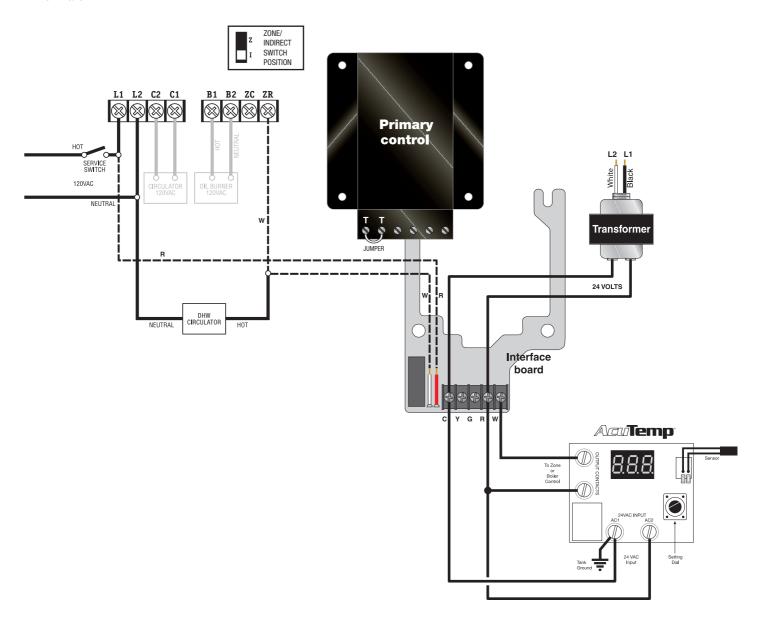
Note: Thermostat designations may vary depending on the thermostat brand. Refer to the thermostat wiring instructions for the proper terminal designations.

 (optional) Connect the cooling contactor and the fan relay to the Kool Kit interface board as shown.

AcuTemp Indirect Tank Control wired into the HydroStat 3250-Plus

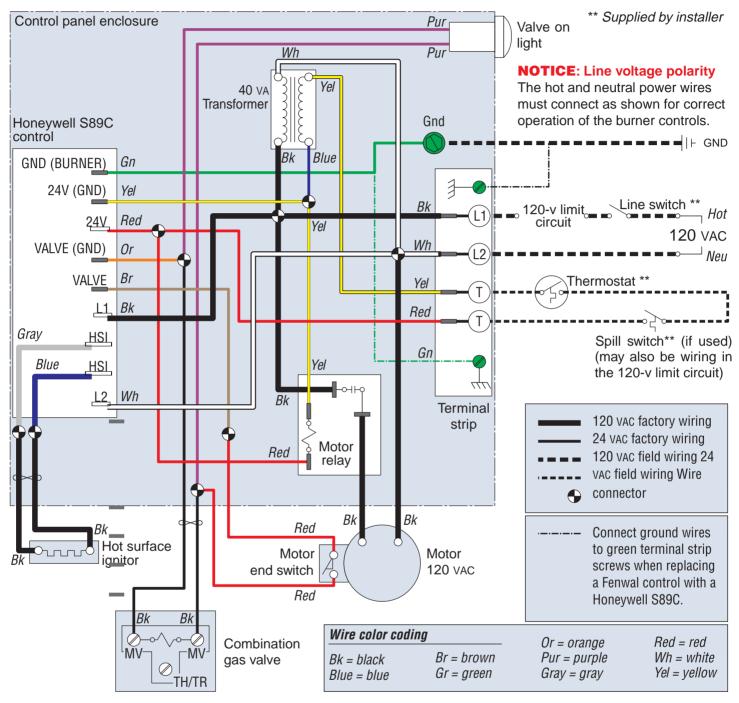
WARNING: Wiring must comply with local and national electrical codes.

- 1. Verify the factory installed jumper is installed on the T-T terminals of the burner primary control.
- 2. Connect the output contacts from the AcuTemp to the R and W terminals on the Kool Kit interface board. The terminals are not polarity sensitive.
- 3. Connect the 24 VAC input AC1 on the AcuTemp to the C terminal on the Kool Kit interface board. Connect the 24 VAC input AC2 on the AcuTemp to the R terminal on the Kool Kit interface board.
- 4. Connect the red wire from the Kool Kit board to the L1 Terminal on the Hydrostat 3250-Plus. Be sure to comply with local and national electric codes as this is a 120 VAC connection
- 5. Connect the white wire from the Kool Kit board to the ZR terminal on the Hydrostat 3250-Plus. Be sure to comply with local and national electric codes as this is a 120 VAC connection.
- 6. Connect the domestic hot water circulator to the L2 (neutral) and ZR (hot) terminals on the Hydrostat 3250-Plus.
- 7. Set the Z/I switch on the Hydrostat 3250 to the I position. If the switch is left in the Z position the boiler may not provide adequate hot water.





Wiring diagram — wire routing





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