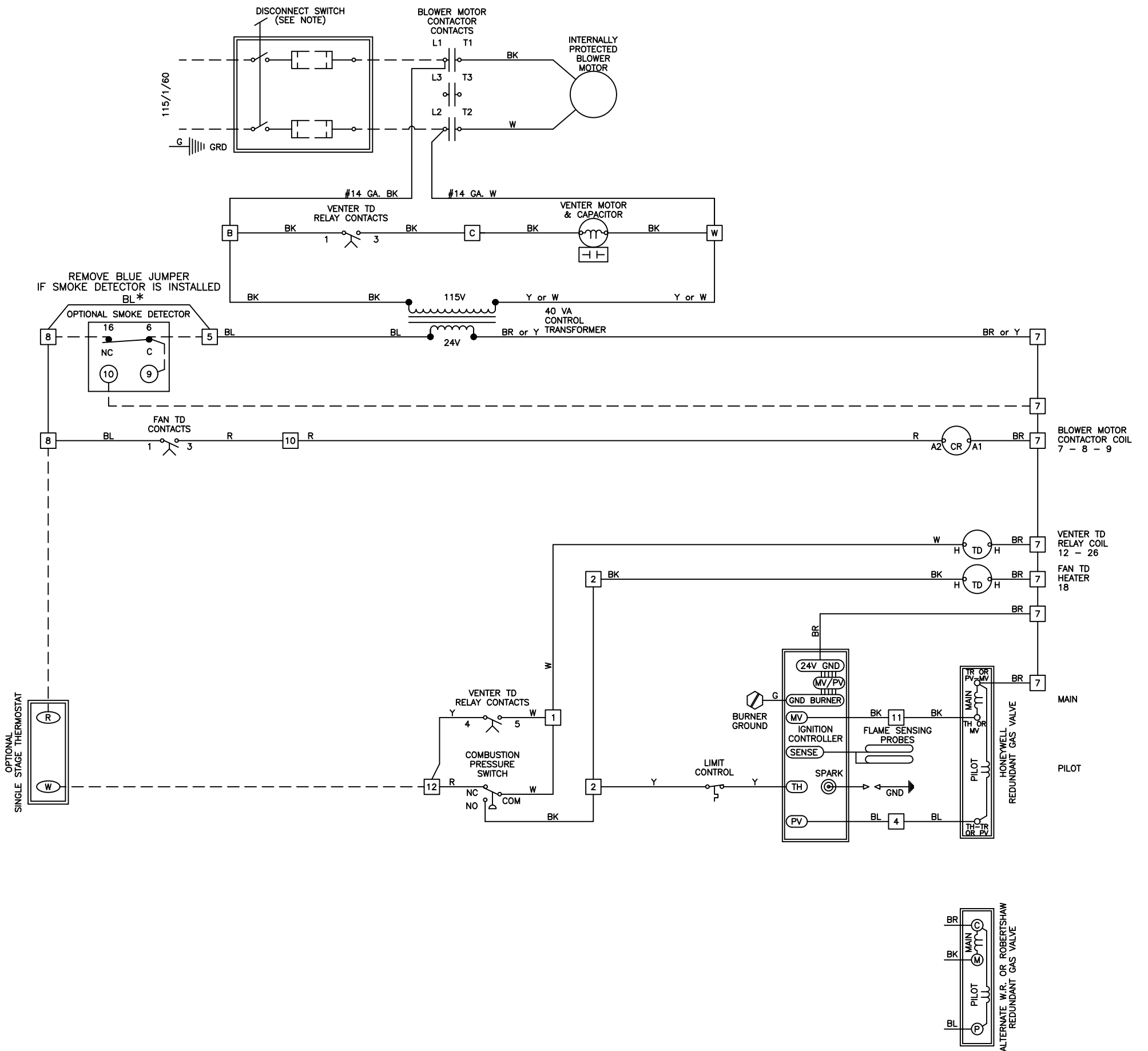


# MODEL SCE



### OPERATING SEQUENCE

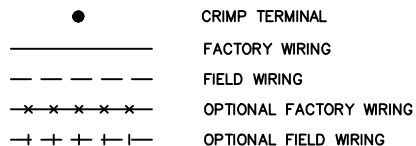
- SET THERMOSTAT AT LOWEST SETTING.
- TURN ON POWER, MAIN AND MANUAL GAS VALVE.
- IF OPTIONAL SMOKE DETECTOR SENSES SMOKE, THE UNIT IS SHUTDOWN.
- SET THERMOSTAT AT DESIRED SETTING.
- THERMOSTAT CALLS FOR HEAT.
  - ENERGIZING THE VENTER MOTOR AFTER A 15 SECOND (APPROX.) TIME DELAY.
- VENTER FLOW SWITCH SWITCHES TO N.O. POSITION AND POWERS THE IGNITION CONTROLLER. WITH POWER SUPPLIED TO THE IGNITION CONTROLLER THE PILOT GAS VALE IS ENERGIZED AND PILOT LIGHTS FROM IGNITOR, AFTER A TIME DELAY PRE-PURGE (10-15 SECONDS).
- IF THE FLAME IS EXTINGUISHED DURING MAIN BURNER OPERATION, THE SAFETY SWITCH CLOSES THE MAIN VALVE AND RECYCLES THE SPARK GAP.
  - ON UNITS EQUIPPED WITH LOCKOUT CONTROL, IF PILOT IS NOT ESTABLISHED WITHIN 120 SEC. THE UNIT LOCKS OUT FOR ONE HOUR, UNLESS IT IS RESET BY INTERRUPTING POWER TO THE CONTROL CIRCUIT. (SEE LIGHTING INSTRUCTIONS)
- THE SENSING PROBE PROVES THE PRESENCE OF THE PILOT FLAME.
  - DE-ENERGIZING THE IGNITOR.
  - ENERGIZING THE MAIN GAS VALVE.
  - BLOWER MOTOR OPERATES FROM FAN TIME DELAY.
- WHEN THERMOSTAT IS SATISFIED.
  - MAIN GAS VALVE IS DE-ENERGIZED.
  - PILOT GAS VALVE IS DE-ENERGIZED.
  - IGNITION CONTROLLER IS DE-ENERGIZED.
  - TIME DELAY RELAY KEEPS VENTER MOTOR ON FOR APPROX. 90 SEC. (POST PURGE).
- SET THERMOSTAT SYSTEM SWITCH AT "OFF" POSITION FOR SHUTDOWN.
  - BLOWER MOTOR REMAINS ON AS DETERMINED BY FAN TIME DELAY.

WIRING CODE  
 BLACK - BK  
 BROWN - BR  
 RED - R  
 ORANGE - O  
 YELLOW - Y  
 GREEN - G  
 BLUE - BL  
 PURPLE - PR  
 WHITE - W

### NOTE

- THE FOLLOWING CONTROLS ARE SUPPLIED BY REZTOR FOR FIELD INSTALLATION: NONE
- THE FOLLOWING CONTROLS ARE SUPPLIED AS OPTIONAL EQUIPMENT: SMOKE DETECTOR AND THERMOSTAT
- DOTTED WIRING AND THE FOLLOWING CONTROLS ARE SUPPLIED AND INSTALLED BY OTHERS: NONE
- CAUTION: IF ANY OF THE ORIGINAL WIRE AS SUPPLIED WITH THE APPLIANCE MUST BE REPLACED, IT MUST BE REPLACED WITH WIRING MATERIAL HAVING A TEMPERATURE RATING OF AT LEAST 105 DEGREES C., EXCEPT FOR SENSOR LEAD WIRE WHICH MUST BE 150 DEGREES C.
- LINE AND BLOWER MOTOR BRANCH CIRCUIT WIRE SIZE SHOULD BE OF A SIZE TO PREVENT VOLTAGE DROP BEYOND FIVE PERCENT OF SUPPLY LINE VOLTAGE.
- USE #14 GA. WIRE FOR LINE AND MOTOR WIRING ON UNIT.
- USE #18 GA. WIRE FOR CONTROL WIRING ON UNIT UNLESS OTHERWISE NOTED.
- WHEN PROVIDING OR REPLACING FUSES IN THE FUSIBLE DISCONNECT SWITCH USE DUAL ELEMENTS TIME DELAY FUSES AND SIZE ACCORDING TO 1.25 TIMES THE MAXIMUM TOTAL INPUT AMPS.
- DISCONNECT SWITCH IS FIELD FURNISHED OR AVAILABLE FROM FACTORY AS AN OPTION.
- THE LINE SIDE OF THE DISCONNECT SWITCH MUST BE CONNECTED TO THE INCOMING POWER SUPPLY SUCH THAT THE VOLTAGE BETWEEN TERMINAL L1 AND GROUND IS THE GREATER VALUE.

FIELD WIRE LENGTH	CONTROL WIRE MINIMUM	RECOMMENDED WIRE SIZE
150 FEET	#18 GA.	#18 GA.
250 FEET	#16 GA.	#16 GA.
350 FEET	#14 GA.	#14 GA.



1, 2, 4, 5, 7, 8, 10, 11, 12, B, C, W [ ] TERMINAL BLOCK -- HEATER COMPARTMENT