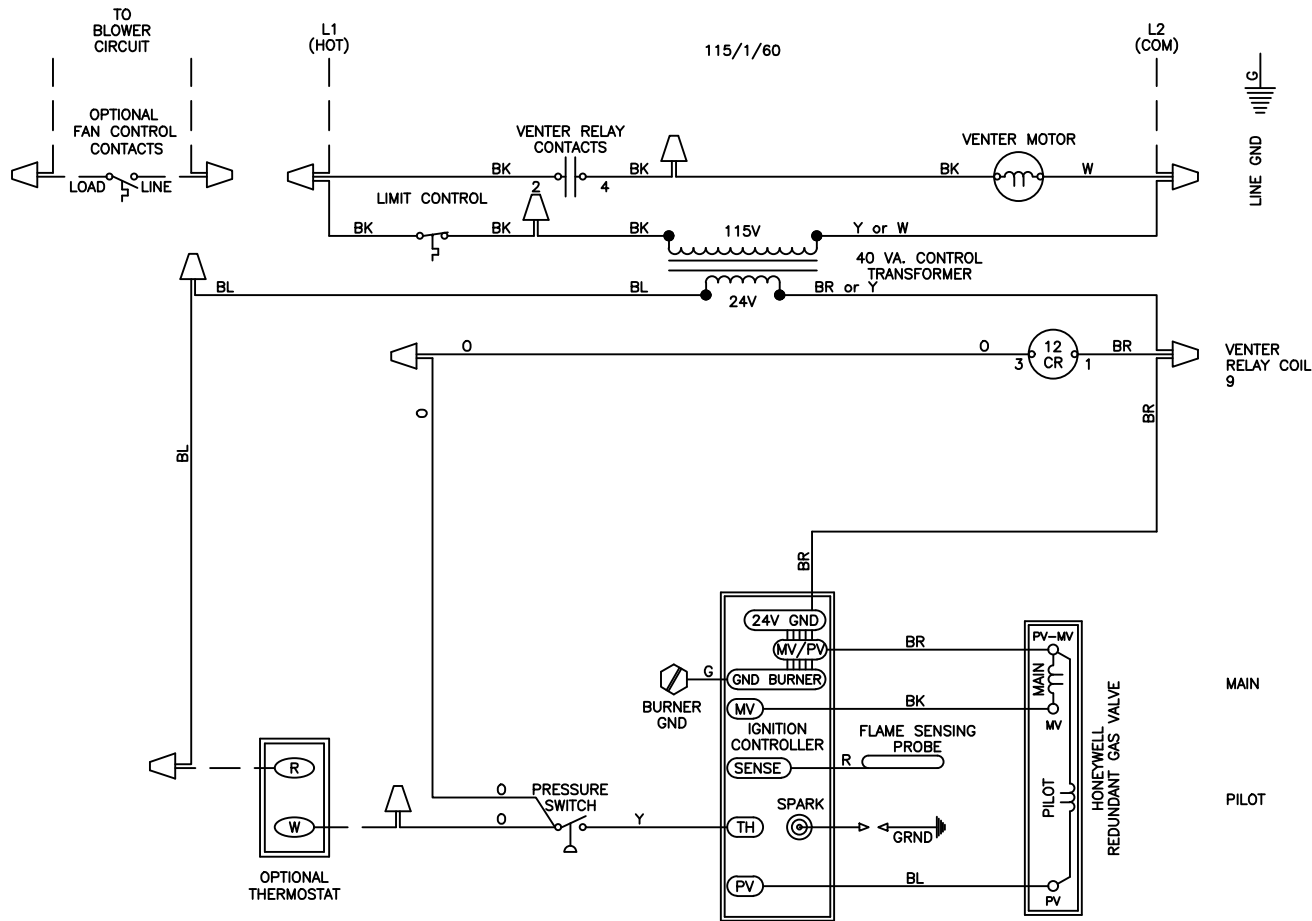


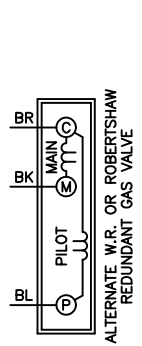
# MODEL EEDU



- ### OPERATING SEQUENCE
- SET THERMOSTAT AT LOWEST SETTING.
  - TURN ON MAIN AND PILOT MANUAL GAS VALVES.
  - TURN ON POWER TO UNIT.
  - SET THERMOSTAT AT DESIRED SETTING.
  - ON A CALL FOR HEAT, THE VENTER MOTOR IS ENERGIZED.
  - PRESSURE SWITCH CLOSSES, ENERGIZING THE PILOT GAS VALVE AND SPARK GAP TO PRODUCE A PILOT FLAME ON EACH OPERATING CYCLE. THE SENSING PROBE PROVES THE PRESENCE OF THE PILOT FLAME AND ENERGIZES THE SAFETY SWITCH PORTION OF THE CONTROL. THE SWITCH ACTION DE-ENERGIZES THE SPARK GAP AND ENERGIZES THE GAS VALVE, FIRING UNIT AT FULL RATE.
  - IF THE FLAME IS EXTINGUISHED DURING MAIN BURNER OPERATION, THE SAFETY SWITCH CLOSSES 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)

- ### NOTE
- DOTTED WIRING SUPPLIED AND INSTALLED BY OTHERS.
  - 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 ENERGY CUT-OFF OR SENSOR LEAD WIRE WHICH MUST BE 150 DEGREES C.
  - LIMIT WIRE TO BE #18 GA. 200 C. SF-1 OF SEW-1.
  - USE #14 GA. WIRE FOR LINE WIRING TO UNIT.
  - LINE AND BLOWER MOTOR BRANCH CIRCUIT WIRE SIZES SHOULD BE OF A SIZE TO PREVENT VOLTAGE DROP BEYOND FIVE PERCENT OF SUPPLY LINE VOLTAGE.



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

————— FACTORY WIRING  
 - - - - - FIELD WIRING

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