

- (1) On contact closing, the backup thermostat activates relay R1; normally open contacts close initiating fuel heat; normally closed contacts open cutting off 24V feed to main thermostat. Main thermostat becomes inoperative.
- (2) At above -12C, Heat Pump remains primary heat source; Relay R4 is normally inactive unless -12C limit switch closes and R4 normally closed contacts open placing heat pump in lockout; normally open contacts close diverting call for heat pump heat to fuel heat relay R3 coil; relay normally closed contacts open placing thermostat's possible call for auxiliary heat on lockout; relay normally open contacts close placing call for heat at fuel heat source.
- (3) Call for auxiliary heat (W) passes relay R3 normally closed contacts to energize relay R2, locking out heat pump (Y) and closing normally open contacts for fuel heat. This action becomes possible if -12C sensor contacts are open.

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