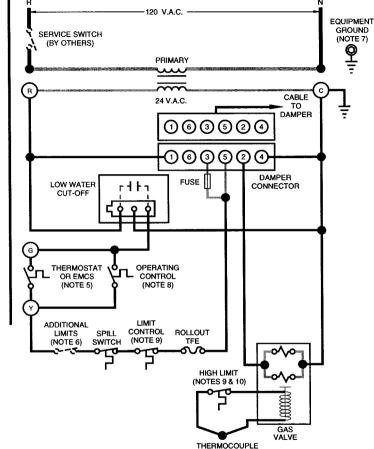
SCHEMATIC WIRING DIAGRAM ADDITIONAL LIMITS CONTROL OPERATING FACTORY (NOTE 6) CABLE CONTROL SWITCH (NOTE 9) SPLICE - TO (NOTE 8) DAMPER L____ BK вк ROLLOUT TEE DAMPER LOW WATER CONNECTOR вк THERMOSTAT EQUIPMENT CUT-OFF OR EMCS GROUND (NOTE 5) (NOTE 7) w o 0 вк SERVICE BK G SWITCH BL (BY OTHERS) Δ_{BK} TRANSFORMER 120/24 V.A.C. TH TR V W BL FACTORY RELAY SPLICE TH-TR WIRE NUT RECEPTACLE (NOT USED) THERMOCOUPLE PILOT GAS VALVE 0 (NOTE 11) JUNCTION BOX TERMINAL BLOCK ON THERMOCOUPLE LEAD ELECTRICAL SHOCK HAZARD, CAN CAUSE SEVERE (NOTE 10) INJURY OR DEATH. DISCONNECT POWER BEFORE INSTALLING AND/OR SERVICING. NOTES: 1. ALL WIRING MUST BE INSTALLED IN ACCORDANCE WITH: BK A. U.S.A. - NATIONAL ELECTRICAL CODE AND ANY OTHER NATIONAL, STATE OR LOCAL CODE REQUIREMENTS B. CANADA - C.S.A. C22.1 CANADIAN ELECTRICAL CODE PART 1 AND ANY OTHER NATIONAL, PROVINCIAL OR LOCAL CODE REQUIREMENTS. HIGH LIMIT (NOTES 9 & 10) 2. ALL CONTACTS SHOWN WITHOUT POWER APPLIED-OFF SHELF CONDITION. 3. IF ORIGINAL ROLLOUT TFE WIRE AS SUPPLIED WITH THE APPLIANCE MUST BE REPLACED. TYPE 200°C WIRE OR ITS EQUIVALENT MUST BE USED. IF OTHER ORIGINAL WIRE AS SUPPLIED WITH THE APPLIANCE MUST BE REPLACED, TYPE 105℃ OR ITS EQUIVALENT MUST BE USED. 4. REFER TO CONTROL COMPONENT INSTRUCTIONS PACKED WITH BOILER FOR APPLICATION INFORMATION. 5. THERMOSTAT - SET ANTICIPATOR TO MATCH AMPERE DRAW OF GAS VALVE PLUS VENT DAMPER (IF USED). EMCS - FOR EMCS CONNECTION IN PLACE OF THERMOSTAT, REFER TO EMCS INSTALLATION/OPERATING MANUAL 6. L.W.C.O., ADDITIONAL HIGH LIMIT, ETC., WIRED IN SERIES. DENOTES FIELD INSTALLED CHASSIS GROUND.

LADDER WIRING DIAGRAM



LOW VOLTAGE FIELD HIGH VOLTAGE FIELD THERMOCOUPLE

LOW VOLTAGE FACTORY HIGH VOLTAGE FACTORY

Standing Pilot

30 thru 55 Probe-Type Low Water Cut Off

Natural Gas



- 8. OPERATING CONTROL REQUIRED WITH TANKLESS HEATER.
- 9. ADJUST LIMIT CONTROL TO DESIRED SYSTEM SETTING, ADJUST HIGH LIMIT TO MINIMUM 2 PSI ABOVE SYSTEM TO AVOID NUISANCE PILOT OUTAGE.
- 10. USED FOR EG-75 ONLY.
- 11. FOR EG-30 THRU 65 GAS VALVE CONNECTIONS IGNORE TH. TR. TH-TR DESIGNATIONS SHOWN ON DIAGRAM.
- EG 30 thru 75 PEG
- Steam, With or Without Tankless



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