SCC Inc.

Wiring Instructions

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LME71.402AxPKG

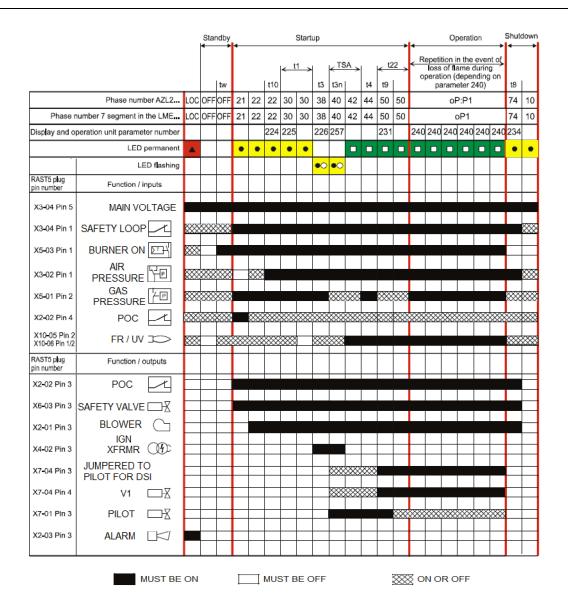
Single burner controller, with programmable purge time.

LME71.402A1PKG (110V) consists of; LME71.000A1, PME71.402A1, AGG3.710

Wiring 3 schematic FSG ALARM (R) RESET BUTTON PME71.402A. HI GND CUSTOMER INTERLOCKS LIMIT PDC SWITCH (4) L1 PILOT 1 VLV 2 COMB BLOWER MOTOR LME71.000A... VLV**5** BURNER 4 BURNER ON ON/OFF IGNITION L1 CAP SWITCH GND L1 L1 FLAME ROD SWITCH SWITCH RED (+ QRA4.U WHITE UV SCANNER

Notes

- Jumper between X7-01-3 and X7-04-3 for direct spark ignition.
- ② Wire flame rod or UV scanner (QRA4.U), not both.
- ③ 120V 50/60 (LME71.000A1); 230V 50/60 (LME71.000A2).
- Do not connect wires to any unused terminals.
- When LME7 isn't controlling combustion air blower, wire combustion air switch between X2-01-3 & X3-02-1. Be sure to remove X2-01-3 to N, and X3-02-1 to L1.
- 6 If either gas pressure switch opens, LME enters Phase 90 and will shut burner down, but will not lockout. Recovery of the gas pressure switch will initiate start-up.



Sequence of Operation

DISPLAY

- 1. OFF Standby, waiting for call for heat
- 2. P21 Test; combustion air switch open, POC closed
- 3. P22 Combustion air blower on, Test; combustion air switch closed
- 4. P30 Purge (parameter 225), Test; gas pressure switches closed
- 5. P38 Preignition (parameter 226, spark on before pilot)
- 5. P40 Trial for ignition (parameter 257)
- 6. P42 Flame detection (spark off, pilot stands alone)
- 7. P44 Pilot stabilize time (parameter 230)
- 8. P50 Main and pilot overlap time (parameter 231)
- 9. oP1 Operate, main on, pilot off

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