



AUTO GAS SHUTOFF  
802-101780-01 POWER CONTROL SCHEMATIC  
NOTE 2

TO ADJUST GAS PRESSURE SWITCH SETPOINT:  
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CW = RAISES SETPOINT (ALARMS AT HIGHER PRESSURE, REQUIRES MORE PRESSURE TO RELEASE ALARM)

CCW = LOWERS SETPOINT (ALARMS AT LOWER PRESSURE, REQUIRES LOWER PRESSURE TO RELEASE ALARM)

**MOTOR SPEED CONTROLLER CONNECTIONS**

+ARM (RED) + MOTOR ARMATURE  
-ARM (BLK) - MOTOR ARMATURE  
VAC IN (L) (42 BRN) 117 Vac Line  
VAC IN (N) (BLU/BLK) 117 Vac Neutral  
SPD POT WIPER PLC I/O 4 CH OUT  
SPD POT LO PLC I/O 4 OV OUT

RTC REPLACEMENT MOTOR ONLY:  
+FIELD (BRN) + FIELD COILS  
-FIELD (WHT) - FIELD COILS

NOTE 7

802-101780 TB4-03 33-4 RED 24 Vac  
802-101784 U5-3 57 RED  
802-101784 U5-4 58 RED

BLU COMMON  
BRN +24 Vdc  
BLK TACH SIGNAL CHA  
WHT TACH SIGNAL CHB

802-101780 CH1 IN WHT  
802-101780 CH2 OUT RED  
802-101780 CH2 0V BLK

802-101780 CPU X1 WHT  
802-101780 CPU C1 BLU  
802-101780 I/O4 0V BLU  
802-101780 I/O4 24V BRN

802-101780 CH1 OUT RED  
802-101780 0V OUT BLK

802-101780 FUSE FH 117 Vac BRN  
802-101780 FUSE MA 117 Vac BRN  
802-101780 TB4-02 BLU/BLK  
802-101780 TB4-GND YEL/GRN

**NOTES:**

- NUMBER OF FANS MAY VARY.
- SUPPLIED WITH OPTIONAL EQUIPMENT.
- ALL WIRES 18 AWG UNLESS OTHERWISE NOTED.
- ALL MULTI-CONDUCTOR CABLE 22 AWG WIRES.
- WIRE R01 FOR CW INCREASE IN MOTOR SPEED.
- INSERT LAMPS IN CORRESPONDING HOLES ON PANEL.

- REFER TO CONNECTION CHART RE MOTOR TYPE WIRING.
- REVERSE +ARM AND -ARM FOR PROPER MOTOR ROTATION.
- SET BOARD JUMPERS P2 TO Vin AND P4 TO LO AS SHOWN.
- AFTER MOUNTING REMOTE SIGNAL INPUT BOARD, CONNECT BLACK WIRE TO VAC IN (N) P1-2 ON MAIN BOARD.

REV	DESCRIPTION	DATE	APPROVED	REV	DESCRIPTION	DATE	APPROVED

  

MODEL	LCI LA-306, -309P	
DRAWN	J CLARK	06/12/2013
CHECKED	S BARBER	02/27/2012
ISSUED	J CLARK	03/01/2014
REVISED	REV 0 FOR RELEASE 03/01/14	03/01/2014 J CLARK

  

APPROVALS	DATE	FILE
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