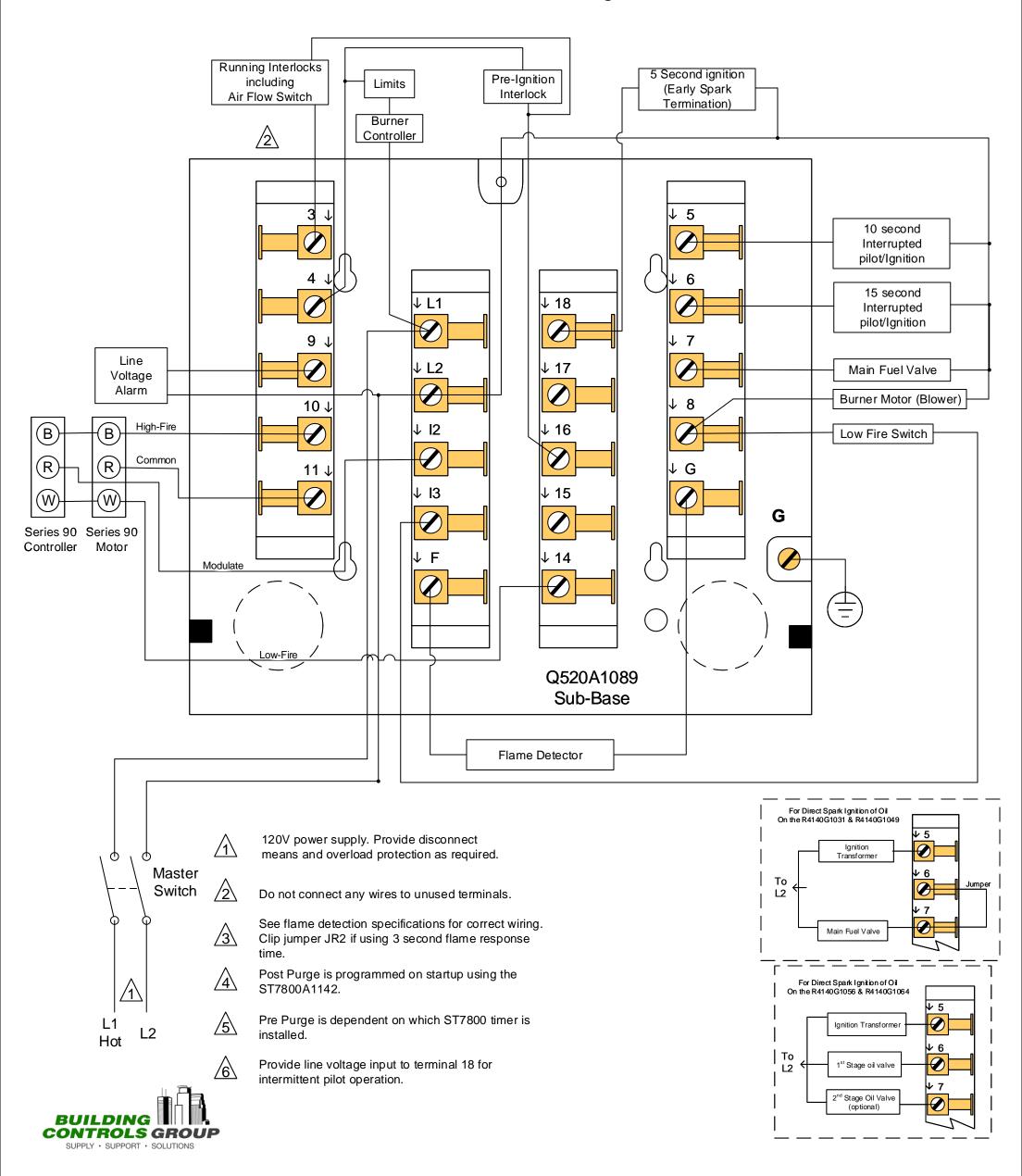
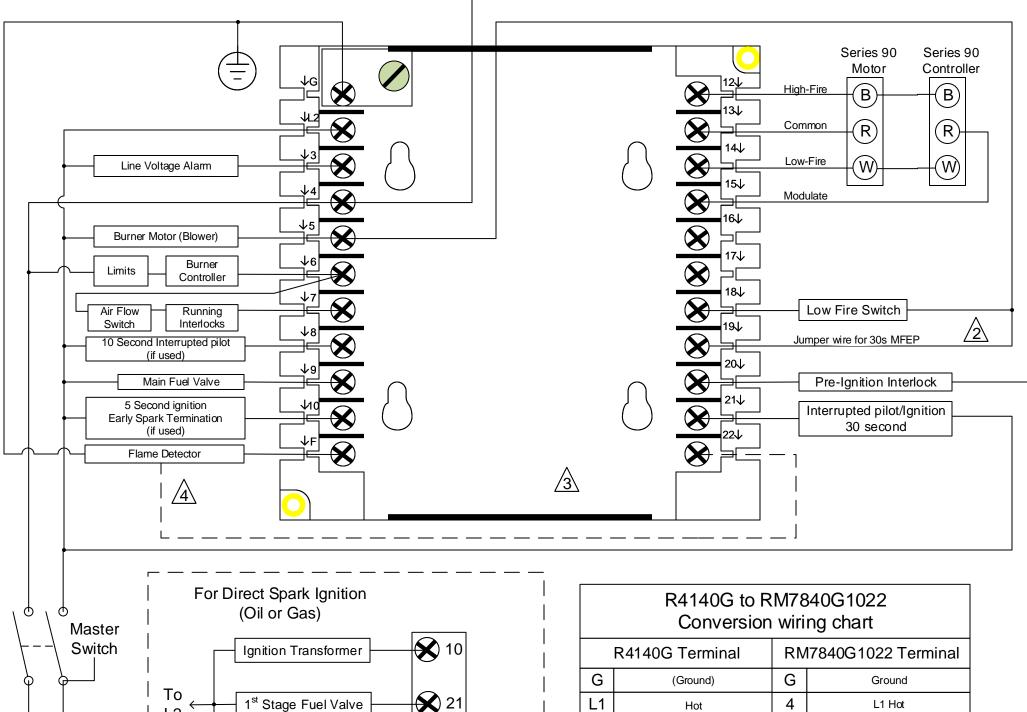
R4140G1031, R4140G1049, R4140G1056, R4140G1064, R4140G1072, R4140G1080 to RM7840G1022 Wiring Schematics

See reverse side for RM7840G1022 wiring schematic & conversion table.



RM7840G1022 Wiring Schematic See reverse side for R4140G wiring schematic





120V power supply. Provide disconnect means and overload protection as required.



Add jumper for 30 second Main Flame Establishing period (MFEP)

2nd Stage Fuel Valve (Optional)



Do not wire to any unused terminals.



See flame detector installation instructions for correct

Conversion wiring chart			
R4140G Terminal		RM7840G1022 Terminal	
G	(Ground)	G	Ground
L1	Hot	4	L1 Hat
L1	Burner Controller & Limits	6	L1 to Burner controls & Limits and then term 6
L2	Common	L2	Common
F	Flame Detection	F	Flame Detection
3	Running Interlocks & Air Flow	6	Running Interlocks & Air Flow
4	Burner Controller & Limits	6	Burner Controls & Limits
4	Pre-ignition Interlocks	4	Pre-Ignition Interlock
5	10 second Interrupted pilot ignition (If used)	8	10 second Interrupted pilot ignition (If used)
6	15 second Interrupted pilot ignition	21	30 second Interrupted pilot ignition
7	Main Fuel Valve	9	Main Valve
8	Burner Motor	5	Burner Motor
8	Low-Fire Switch to term 13	5	Low-Fire Start Switch to term 18
9	Line Voltage Alarm	3	120V Alarm
10	Series 90 High Fire	12	Series 90 High-Fire
11	Series 90 Common	13	Series 90 Common
12	Series 90 Modulate	15	Series 90 Modulate
13	Low Fire Switch to term 8	18	Low-Fire Start Switch to term 5
14	Series 90 Low Fire	14	Series 90 Low-Fire
16	Pre-Ignition interlocks	20	Pre-Ignition Interlocks
16	Running Interlocks & Air Flow	7	Running Interlocks & Air Flow
17	Shutter on self checking flame detectors	22	Shutter on self checking flame detectors
18	5 Second ignition (Early spark termination)	18	5 Second ignition (Early spark termination)
		19	Jumper wire to term 5 for 30 second MFEP.

