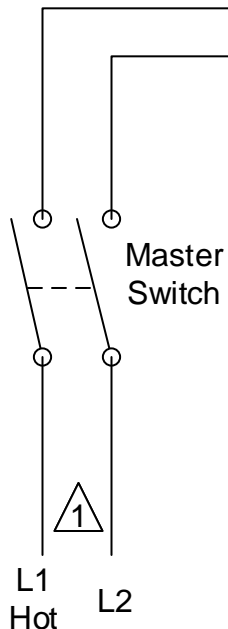
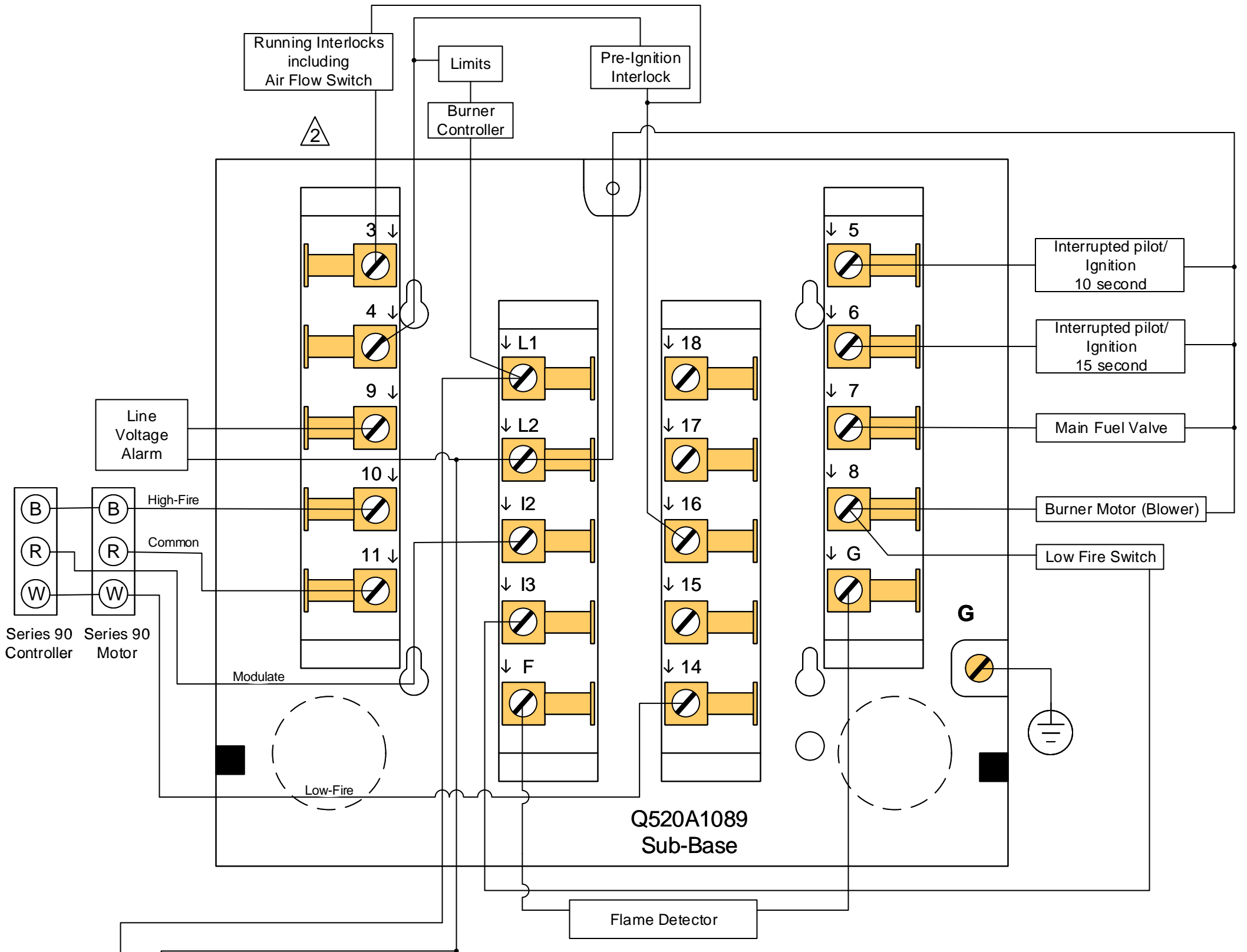
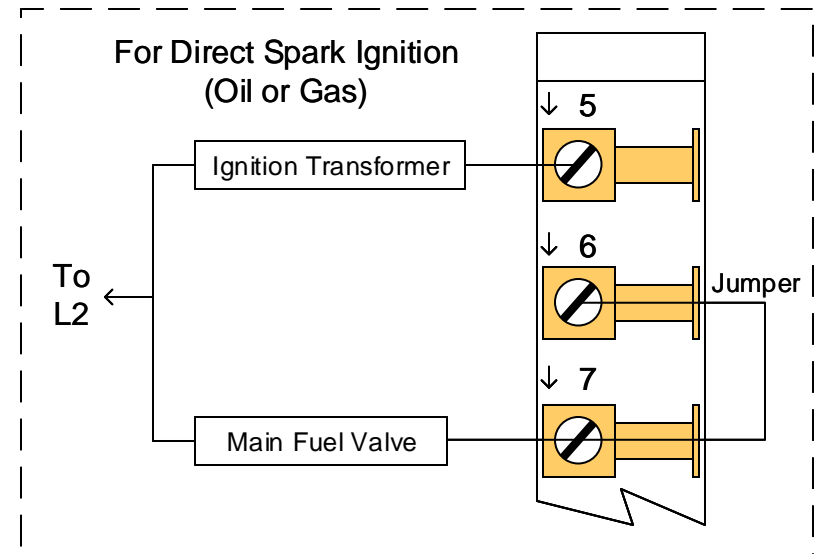


R4140G1106 Wiring Schematic

See reverse side for RM7840G1022 wiring schematic & conversion table.

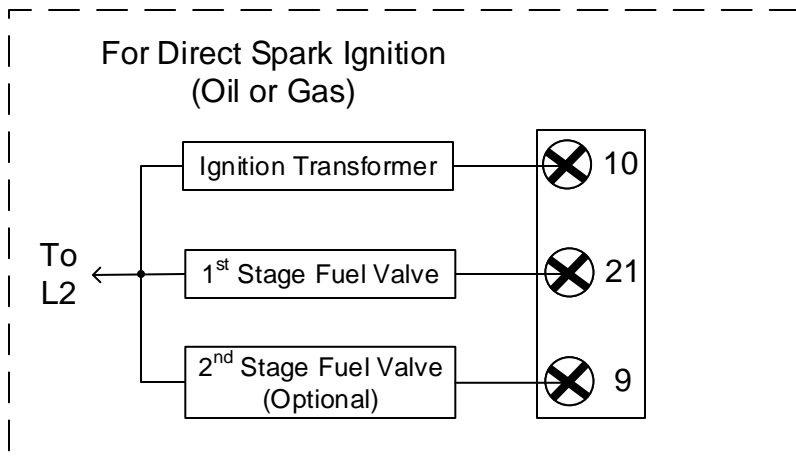
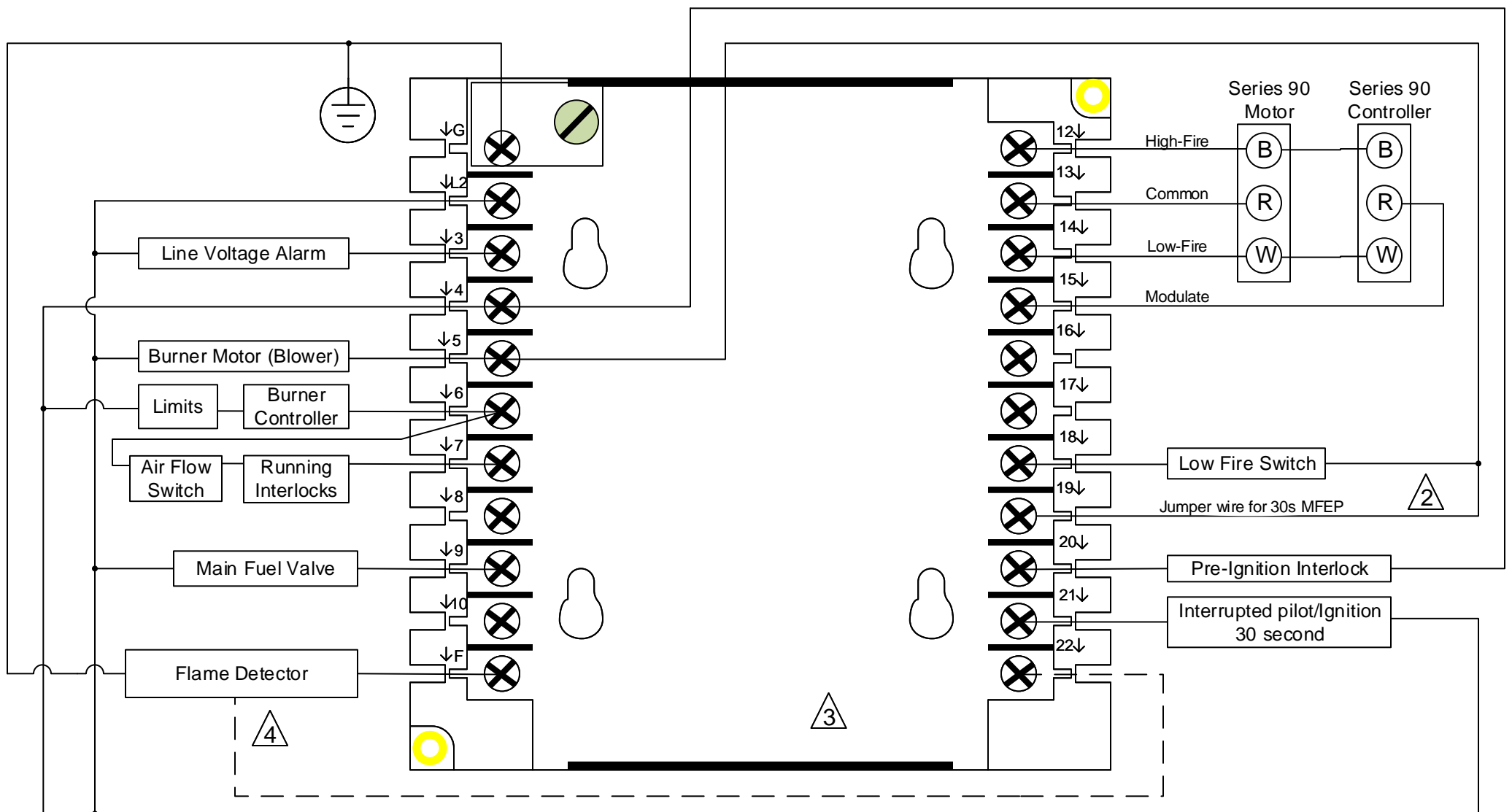


- ① 120V power supply. Provide disconnect means and overload protection as required.
- ② Do not connect any wires to unused terminals.
- ③ See flame detection specifications for correct wiring. Clip jumper JR2 if using 3 second flame response time.
- ④ Post Purge is programmed on startup using the ST7800A1142.
- ⑤ Pre Purge is dependent on which ST7800 timer is installed.
- ⑥ Provide line voltage input to terminal 18 for intermittent pilot operation.



RM7840G1022 Wiring Schematic

See reverse side for R4140G1106 wiring schematic



R4140G1106 to RM7840G1022 Conversion wiring chart

R4140G1106 Terminal	RM7840G1022 Terminal
G	(Ground)
G	Ground
L1	Hot
4	L1 Hot
L1	Burner Controller & Limits
6	L1 to Bumer 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
20	Pre-Ignition Interlock
5	10 second Interrupted pilot ignition (If used)
8	10 second Interrupted pilot ignition (If used)
6	30 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
19	Jumper wire to term 5 for 30 second MFEP.

- 1 120V power supply. Provide disconnect means and overload protection as required.
- 2 Add jumper for 30 second Main Flame Establishing period (MFEP)
- 3 Do not wire to any unused terminals.
- 4 See flame detector installation instructions for correct wiring.