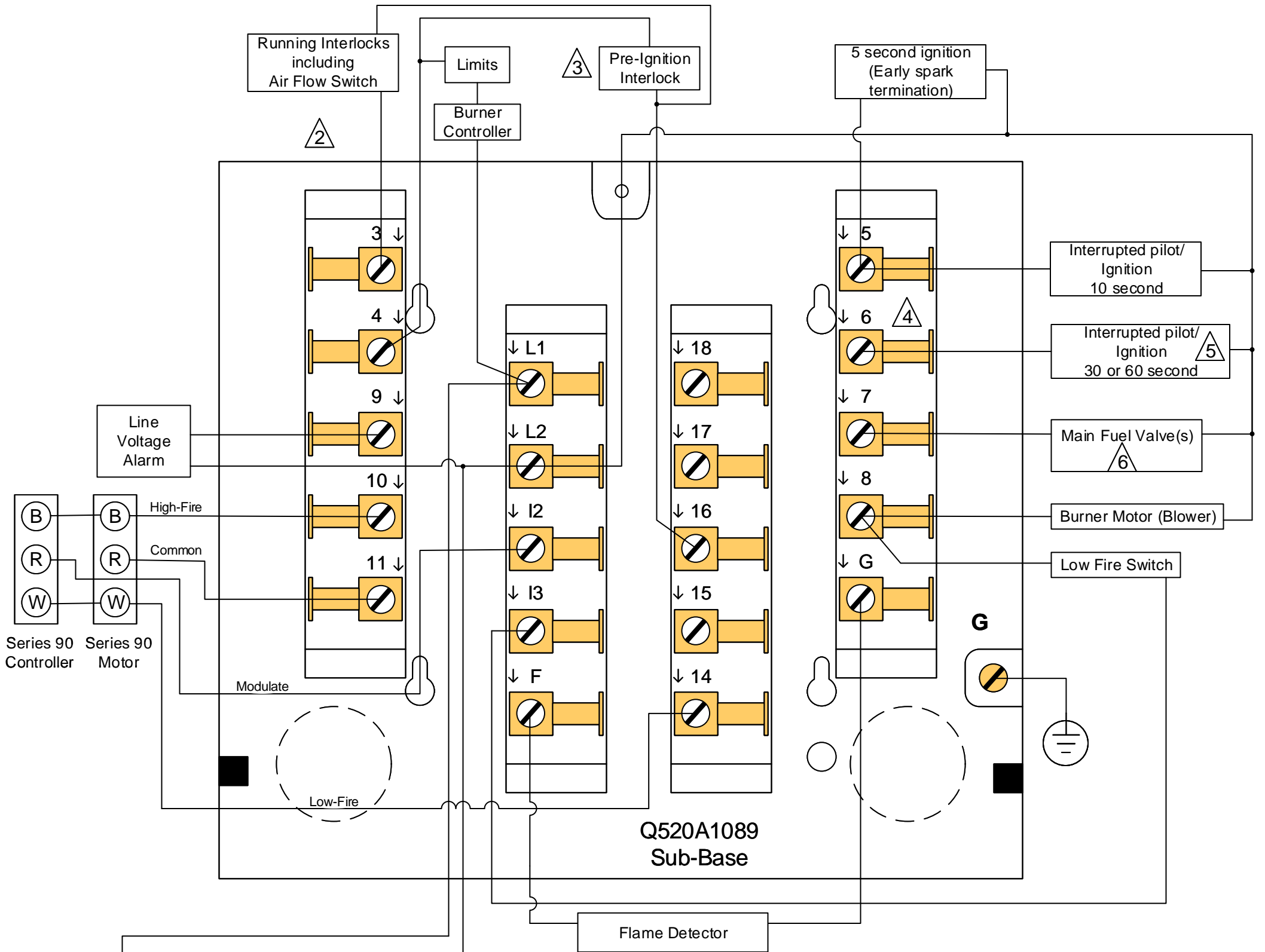
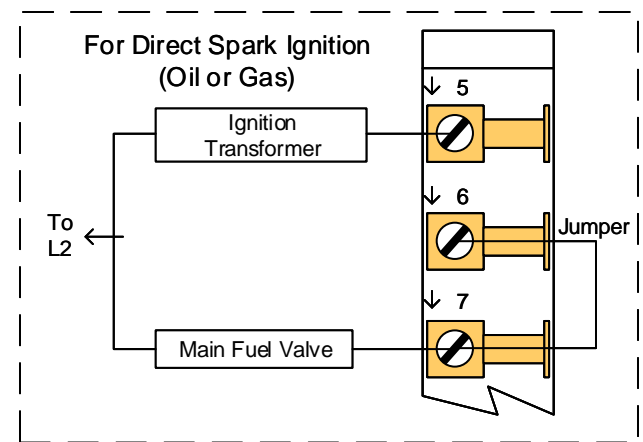


R4140G1114, R4140G1122, R4140G1171 Wiring Schematic

See reverse side for RM7840G1022 wiring schematic & conversion table.

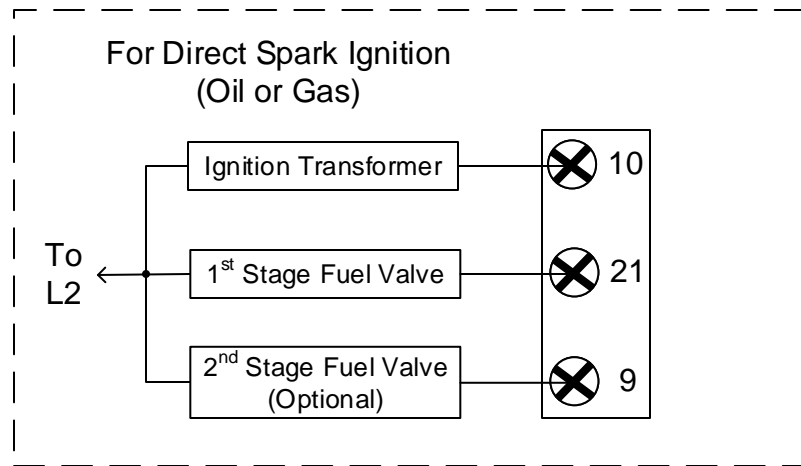
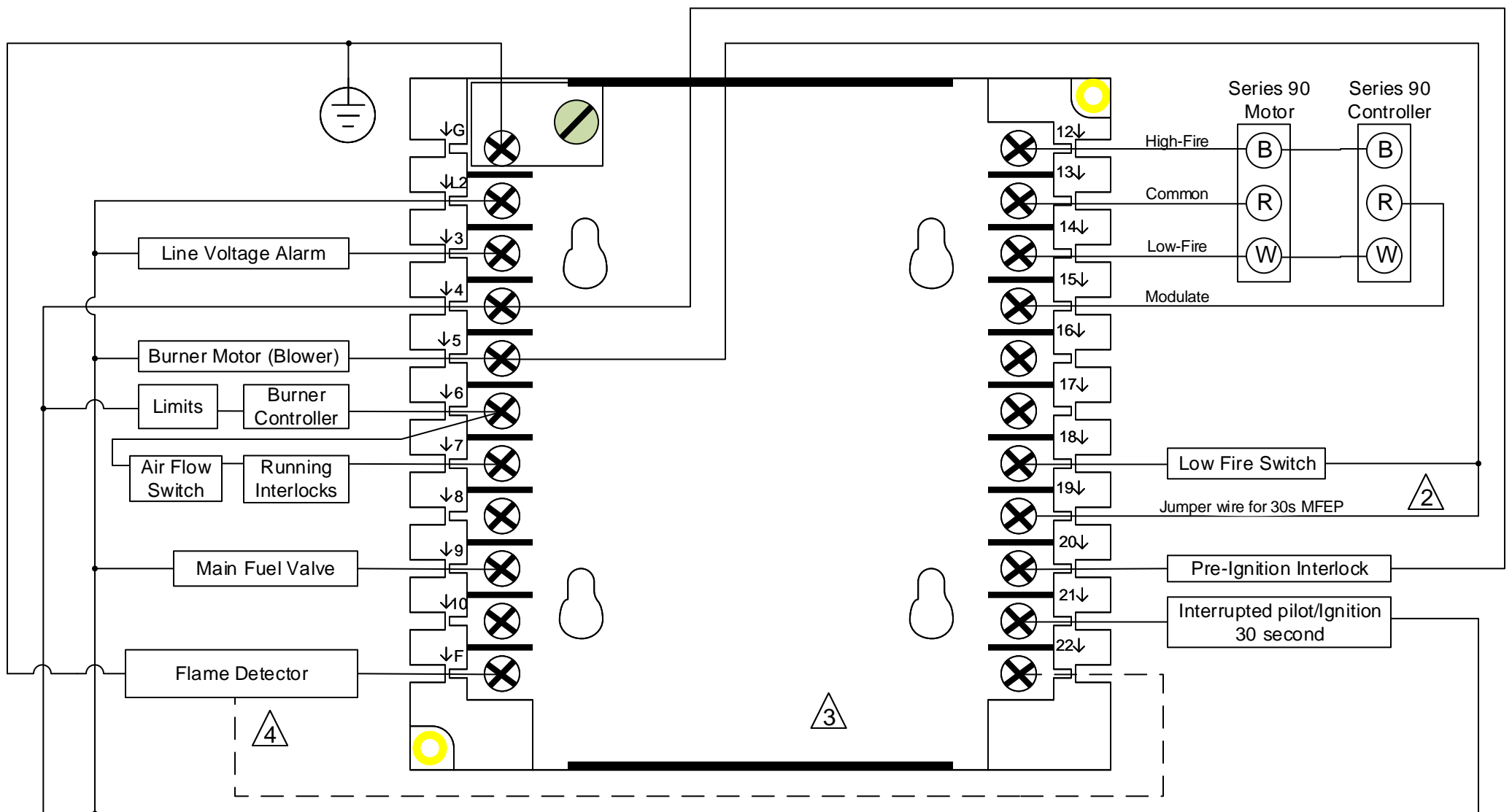


- 1 120V power supply. Provide disconnect means and overload protection as required.
- 2 Use all NEC class 1 wiring.
- 3 If Pre-ignition interlocks are not used, install a jumper between terminals 4 and 16.
- 4 For direct spark ignition of Oil, connect the ignition and oil valve solenoid as show in inset.
- 5 For 60 second interrupted pilot/ignition. Install jumper on back of programmer between jumpers labeled "Jumper to extend main ignition trial."
- 6 Some authorities prohibit the wiring of any limit or operating contacts in series with the main gas valve.
- 7 For the C7015A infrared flame detector, either lead wire may be connected to the F terminal.
- 8 Some authorities prohibit the wiring of any limit or operating contacts in series with the main gas valve.
- 9 Some authorities prohibit the wiring of any limit or operating contacts in series with the main gas valve.



RM7840G1022 Wiring Schematic

See reverse side for R4140G1114, R4140G1122, R4140G1171 wiring schematic



R4140G1114, R4140G1122, R4140G1171 to RM7898A1000 Conversion wiring chart

R4140G11xx 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.