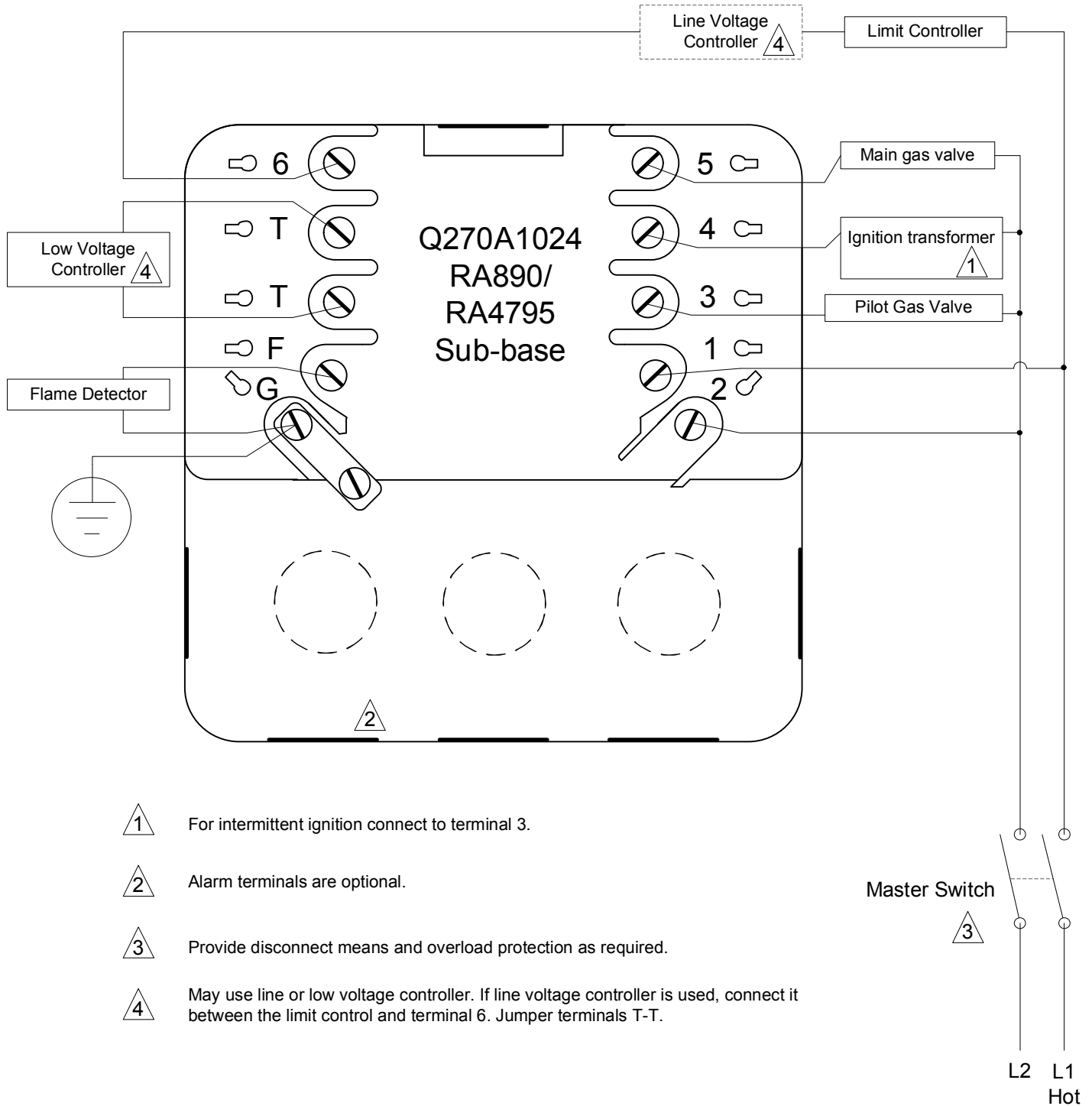




RA890G Wiring Schematic

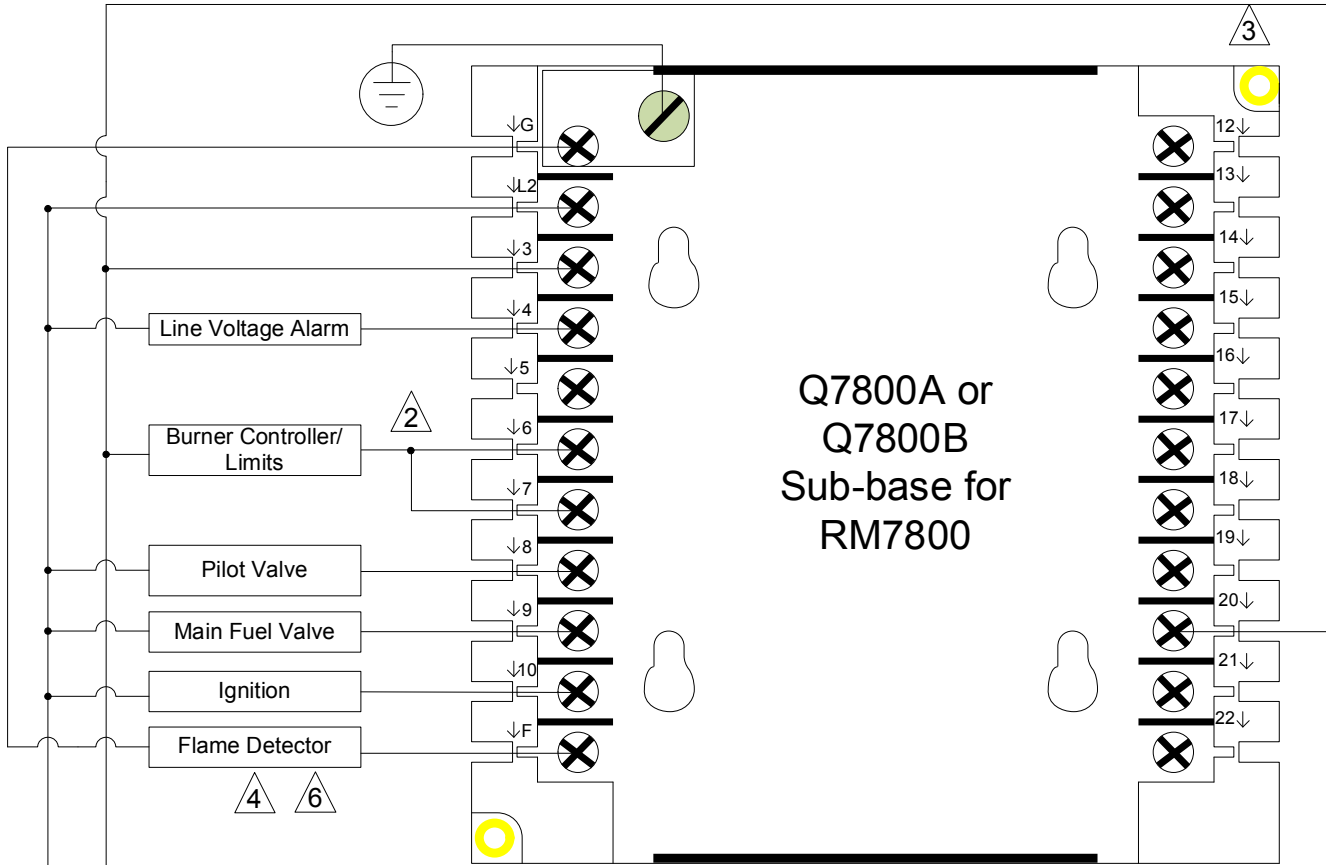
See reverse side for RM7890B1048 wiring schematic & conversion table.



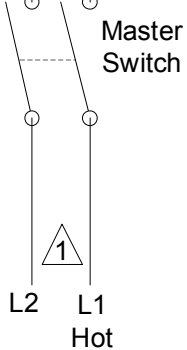


RM7890B1048 Wiring Schematic

See reverse side for RA890G wiring schematic



Q7800A or
Q7800B
Sub-base for
RM7800



- 1 120V power supply. Provide disconnect means and overload protection as required.
- 2 Terminal 7 must be powered. If valve proving option is "NEVER" or "BEFORE". A jumper between sub-base terminals 6 and 7 may be installed.
- 3 Do not connect any wires to unused terminals.
- 4 See flame detection specifications for correct wiring.
- 5 Terminal 8 turns off if JR3 is clipped.
- 6 Clip jumper JR2 if flame response is 3 seconds. (R7849A1023)

RA890G to RM7890B1048
Conversion wiring chart

RA890F Terminal		RM7890B1048 Terminal	
G	(Ground)	G	(Ground)
1	L1 Hot	3	L1 Hot
2	Common	L2	Common
3	Pilot Gas	8	Pilot Gas
4	Interrupted ignition	10	Interrupted ignition
5	Main gas valve	9	Main gas valve
6	Limits / Line Voltage	3 to 6	Limits / Line Voltage *
T	Low voltage controller	3 to 6	Controller **
T	Low voltage controller	3 to 6	Controller **
F	Flame Detection	F	Flame Detection

Notes:
 * Separate limits from L1 power to terminals 3 to 6 on RM7890B. Connect L1 to terminal 3.
 ** Low voltage controller must be replaced with line voltage controller and placed in limit string between terminals 3 and 6.