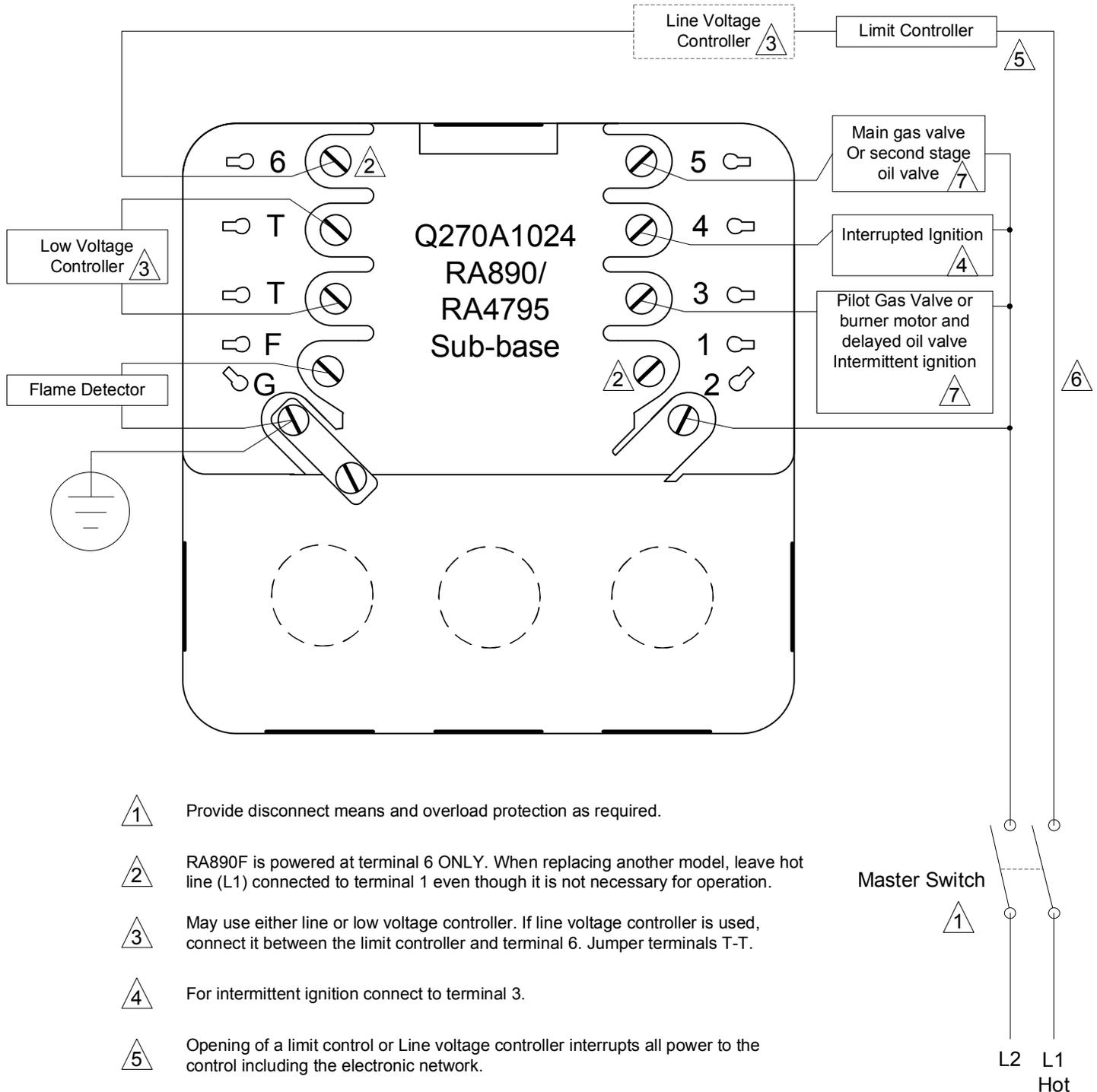




RA890F Wiring Schematic

See reverse side for RM7890B1048 wiring schematic & conversion table.



- 1 Provide disconnect means and overload protection as required.
- 2 RA890F is powered at terminal 6 ONLY. When replacing another model, leave hot line (L1) connected to terminal 1 even though it is not necessary for operation.
- 3 May use either line or low voltage controller. If line voltage controller is used, connect it between the limit controller and terminal 6. Jumper terminals T-T.
- 4 For intermittent ignition connect to terminal 3.
- 5 Opening of a limit control or Line voltage controller interrupts all power to the control including the electronic network.
- 6 All wiring must be NEC class 1.
- 7 Some authorities having jurisdiction prohibit the wiring of any limit or operating contacts in series with the main fuel valve(s).

Master Switch

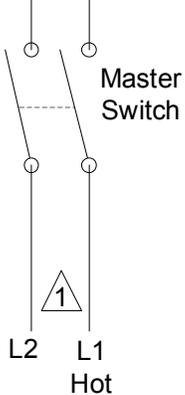
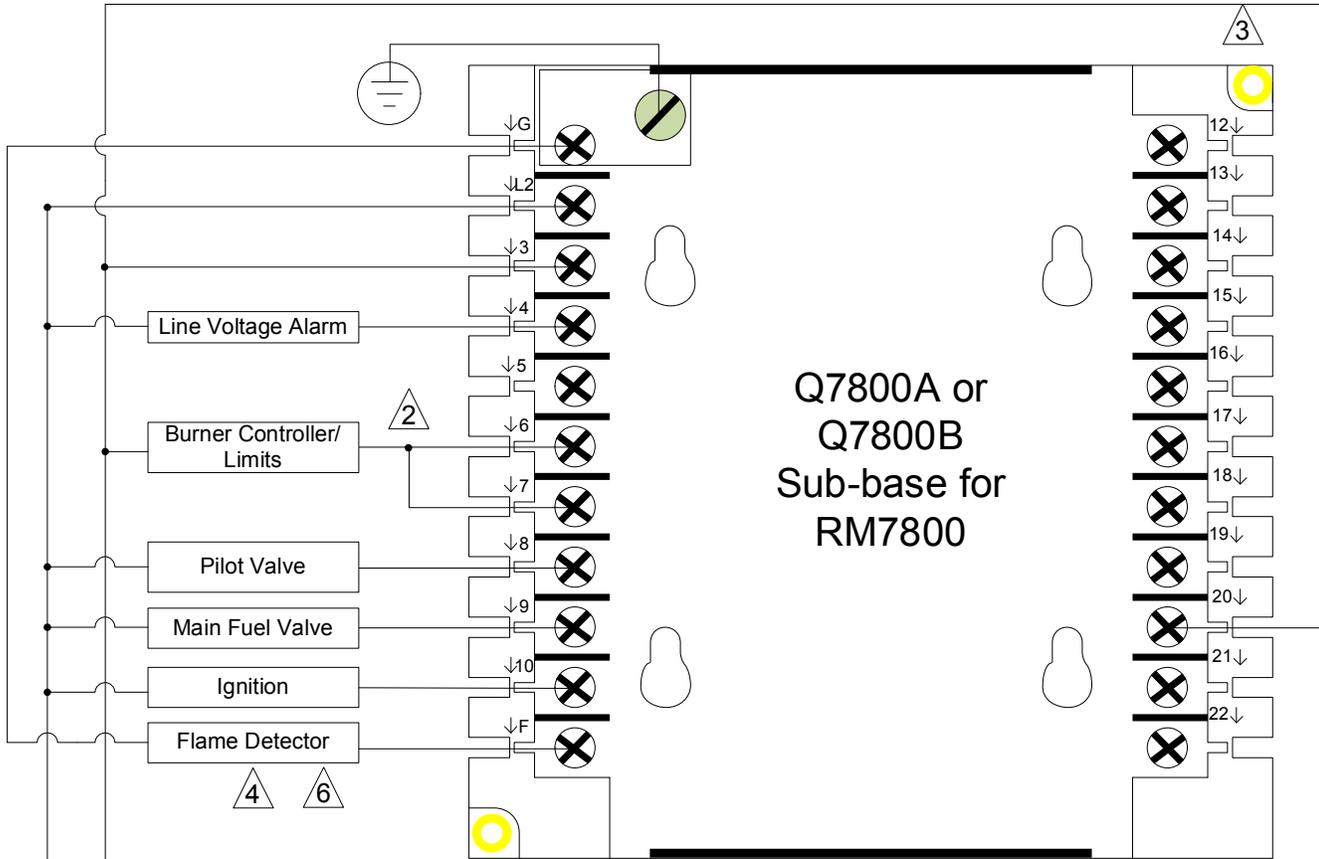


L2 L1
Hot



RM7890B1048 Wiring Schematic

See reverse side for RA890F wiring schematic



- 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 using 3 second FFRT amplifier.

RA890F Terminal		RM7890B1048 Terminal	
G	(Ground)	G	(Ground)
1	(Not used)		
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.