

Single and Multi-Function Aquastat Controllers

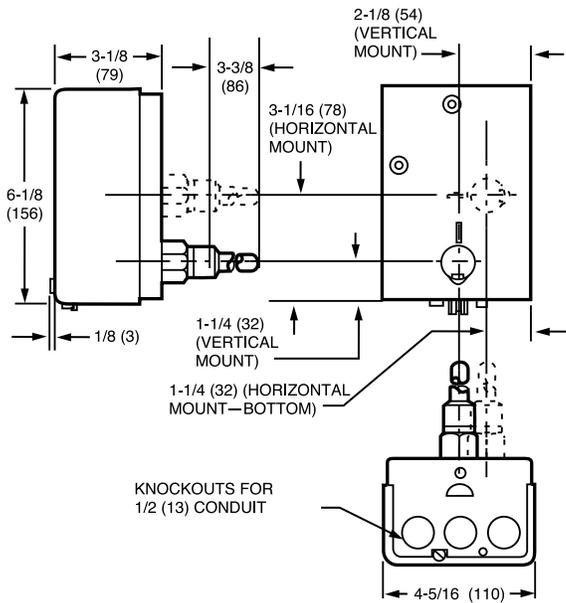
L8148 Aquastat® Relay



Immersion-type controllers that combine high limit protection with switching relay control of burner and circulator motors.

- High limit opens burner circuit only.
- Include transformer and accessory terminals for adding a remote low limit controller.
- Case available for horizontal or vertical mounting.
- Requires a 24 Vac thermostat with heat anticipator set at 0.2A.
- TRADELINE models include well adapter, tube of heat conductive compound and range stops.

Dimensions in inches (millimeters)



M8925

Dimensions, Approximate: 4 5/16 in. high x 6 1/8 in. wide x 3 1/8 in. deep (110 mm high x 156 mm wide x 79 mm deep)

Anticipator Setting: 0.2 A

Voltage: 120 Vac

Frequency: 60 Hz

Electrical Connections: Quick-Connect / Screw

Maximum Ambient Temperature: 150 F with 1.2 A 24 V load; 77 F with 1.4 A 24 V load (66 C with 1.2 A 24 V load; 25 C with 1.4 A 24 V load)

Setpoint Temperature Range: 240 F (116 C)

Operating Range, High Limit: 120 F to 240 F (54 C to 116 C)

Maximum Operating Pressure: Immersion Well: 255 psi (Immersion Well: 1757 kPa)

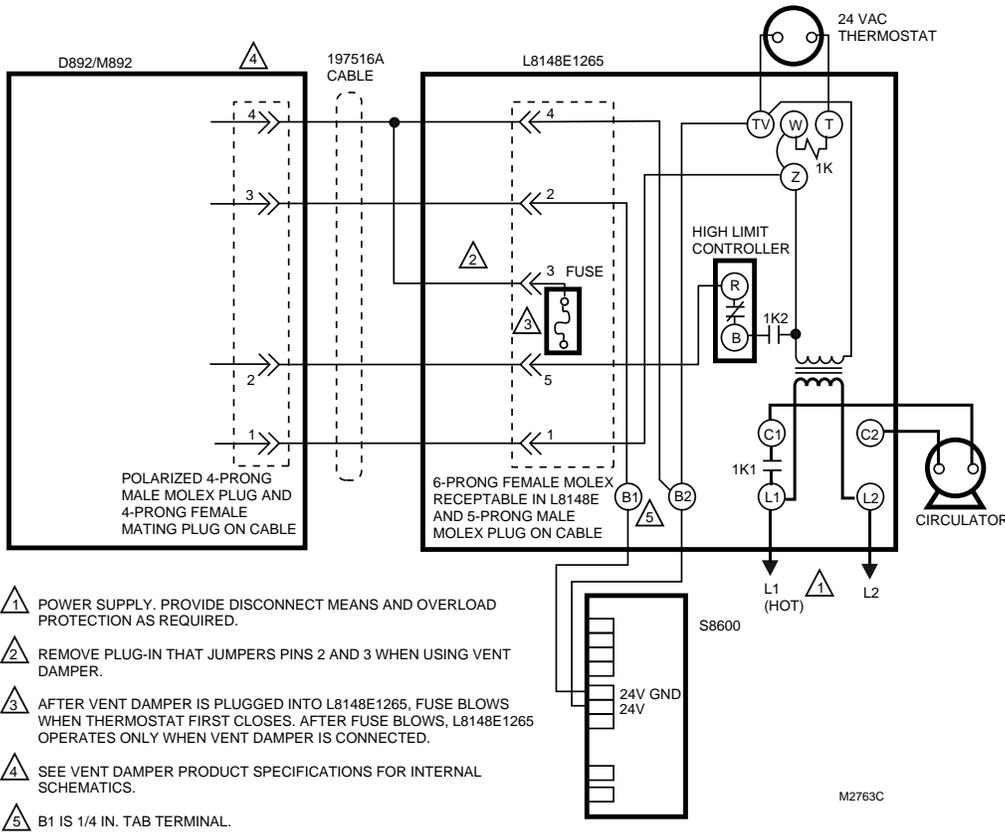
Operating Humidity Range (% RH): 0 to 95% RH, non-condensing

Approvals:

Canadian Standards Association: Certified: File No. LR1620, Guide No. 400-E-O

Underwriters Laboratories Inc. UL Listed: File No. MP466, Vol. 13, Sec. 2, Guide No. MBPR2.

Single and Multi-Function Aquastat Controllers



Product Number	Electrical Ratings						
	(ALR)	(AFL)	(burner AFL)	(burner ALR)	(burner millivolt)	(circulator AFL)	(circulator ALR)
L8148A1017	—	—	Line Voltage: 7.4 A @ 120 Vac; 3.7 A @ 240 Vac	Line Voltage: 44.4 A @ 120 Vac; 22.7 A @ 240 Vac	0.25 A @ 1/4 to 12 Vdc	3.7 A @ 240 Vac; 7.4 A @ 120 Vac	22.2 A @ 240 Vac; 44.4 A @ 120 Vac
L8148E1265	0.25 A @ 0.25 to 12 Vdc	22.2A @ 240 Vac; 44.4A @ 120 Vac	Low Voltage: 0.8 A max. @ 24 Vac; Line Voltage: 7.4 A @ 120 Vac; 3.7 A @ 240 Vac	Line Voltage: 44.4 A @ 120 Vac; 22.7 A @ 240 Vac	0.25 A @ 1/4 to 12 Vdc	3.7 A @ 240 Vac; 7.4 A @ 120 Vac	22.7 A @ 240 Vac; 44.4 A @ 120 Vac
L8148E1299	0.25 A @ 0.25 to 12 Vdc	22.2A @ 240 Vac; 44.4A @ 120 Vac	Low Voltage: 0.8 A max. @ 24 Va; Line Voltage: 7.4 A @ 120 Vac; 3.7 A @ 240 Vac	Line Voltage: 44.4 A @ 120 Vac; 22.7 A @ 240 Vac	0.25 A @ 1/4 to 12 Vdc	3.7 A @ 240 Vac; 7.4 A @ 120 Vac	22.7 A @ 240 Vac; 44.4 A @ 120 Vac
L8148J1009	—	—	3.7 A @ 240 Vac; 7.4 A @ 120 Vac	22.2 A @ 240 Vac; 44.4 A @ 120 Vac	0.25 A @ 1/4 to 12 Vdc	3.7 A @ 240 Vac; 7.4 A @ 120 Vac	22.2 A @ 240 Vac; 44.4 A @ 120 Vac

Product Number	Application	Differential Temperature (F)	Capillary Length		Insulation Depth		Switching Action	Mounting	Includes
			(inch)	(mm)	(inch)	(mm)			
* L8148A1017	High Limit	8 F fixed	4 1/2 in.	114 mm	1 1/2 in. to 3 in. less well	38 mm to 76 mm less well	SPST: High Limit & Circulator	Horizontal	—
* L8148E1265	High Limit	15 F fixed	4 1/2 in.	114 mm	1 1/2 in. to 3 in. less well	38 mm to 76 mm less well	SPST: High Limit & Circulator	Vertical Mount	Molex® plug for use with vent damper, includes heat-conductive compound. Molex® plug for use with vent damper, includes heat-conductive compound.
L8148E1299	High Limit	15 F fixed	4 1/2 in.	114 mm	1 1/2 in. to 3 in. less well	38 mm to 76 mm less well	SPST: High Limit & Circulator	Vertical Mount	50 VA transformer and heat conductive compound.
* L8148J1009	Aquastat Relay	8 F fixed	4 1/2 in.	114 mm	1 1/2 in. to 3 in. less well	38 mm to 76 mm less well	SPST: High Limit & Circulator	Horizontal or Vertical	—

* TRADELINE models • SUPER TRADELINE models