

Aquastat Controllers

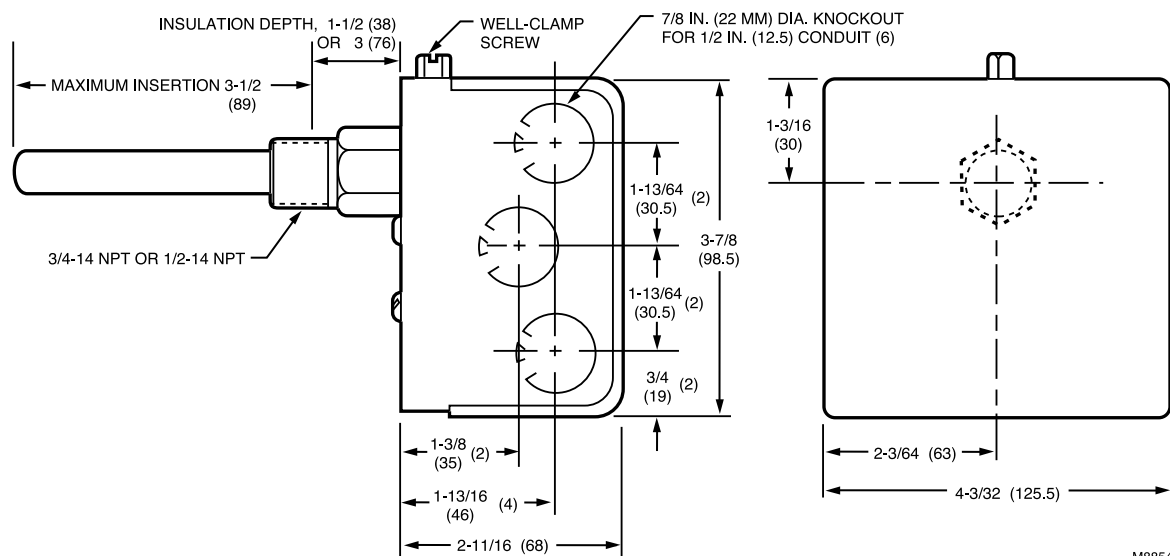
L4081; L6081 Multiple Aquastat® Controllers



High limit, low limit and/or circulator controllers used to regulate boiler water temperature in gas- or oil-fired hydronic heating systems.

- An immersion type liquid-filled sensing element actuates two snap switches.
- One switch operates as a high limit control.
- The other switch operates as a low limit and/or circulator control, depending on the model.
- Controller may be mounted in any positioning and needs no leveling.
- Separate, easy-to-read, calibrated dial and setpoint adjustments for each switch.
- Differential adjustment on low limit or circulator switch.
- All adjustments accessible inside front cover.
- Push-in terminals for quick connecting.
- Single sensing element for easy installation.
- One SPST and one SPDT snap switches act independently at respective temperature settings.

Dimensions in inches (millimeters)



M8854

Electrical Ratings (ignition): Transformer Load: 360 VA
Maximum Ambient Temperature: 150 F at switches; 265 F at sensing element (66 C at switches; 129 C at sensing element)
Operating Range, High Limit: 130 F to 240 F (54 C to 116 C)
Operating Range, Low Limit: 110 F to 220 F (43 C to 104 C)
Operating Humidity Range (% RH): 0 to 95% RH, non-condensing
Approvals
Canadian Standards Association: Certified: File No. LR95329-1
Underwriters Laboratories, Inc: UL Listed: File No. MP466, Vol. 12, Sec. 4, Guide No. MBPR2

Product Number	Electrical Ratings		
		(AFL)	(AFL)
L4081A,B	0.25 A @ 0.25 to 12 Vdc	5.1A @ 240 Vac; 8A @ 120 Vac	30.6A @ 240 Vac; 48A @ 120 Vac
L6081A	0.25 A @ 0.25 to 12 Vdc	5.1A @ 240 Vac; 8A @ 120 Vac	30.6A @ 240 Vac; 48A @ 120 Vac

Product Number	Application	Differential Temperature	Insulation Depth		Spud Size	Switching Action	Mounting	
		(F)	(inch)	(mm)	(inch)			
L4081A1023/U	High and Low limit	High limit: 10 F fixed; low limit: 10-25 F adj.	1 1/2 in.	38 mm		SPST: High & Low Limit	Horizontal	—
L4081B1047/U	High Limit and Circulator	High limit: 10 F fixed; low limit: 10-25 F adj.	1 1/2 in.	38 mm		SPST: High Limit & Circulator	Horizontal	—
L4081B1096/U	High Limit and Circulator	10 F fixed	3 in.	76 mm	—	SPST: High Limit & Circulator	Horizontal	—
* L6081A1036/U	High and Low limit	High limit: 10 F fixed; low limit: 10-25 F adj.	1 1/2 in. to 4 in.	38 mm		—	Horizontal	—

* TRADELINE models • SUPER TRADELINE models