

Aquastat Controllers

L4006; L6006 Aquastat Controller



Aquastat® Controllers are immersion type devices for limiting or regulating the temperature of liquids in boilers, storage tanks, and other applications where temperature control is required.

- Totally enclosed Micro Switch™ snap-acting switches operate on temperature rise to setpoint.
- Visible control point scale and external adjustment screw permit easy setting.
- Horizontal or vertical insertion of the sensing element.
- Direct or well immersion of the sensing element.
- Models available for strap-on mounting.
- Remote bulb model may be used to sense air temperature in ducts and in outside air sensing applications.
- Select models have wells.
- UL limit rated device.

Temperature Range: Maximum – 150°F (Maximum – 66°C)

Bulb Size: 3/8 in. x 2 7/8 in. copper (10 mm x 73 mm copper)

Electrical Ratings:

At Full Load – 8 A @ 120 Vac; 5.1 A @ 240 Vac;

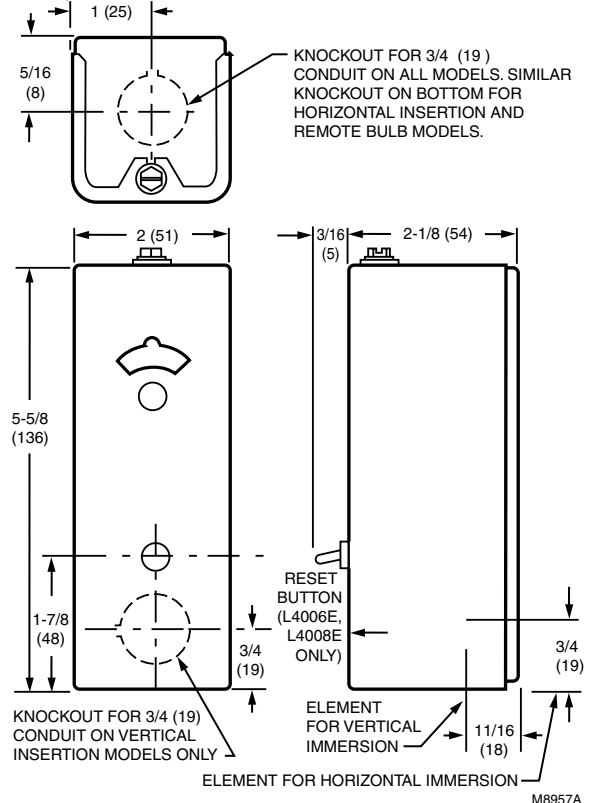
At Locked Rotor – 48 A @ 120 Vac; 30.6 A @ 240 Vac

Millivolt – 0.25 A @ 0.25 to 12 Vdc

Dimensions: Case – 5 5/8 in. high x 2 in. wide x 2 1/8 in. deep (Case – 143 mm high x 51 mm wide x 54 mm deep)

Approvals, Underwriters Laboratories Inc.: UL Component
Recognized: File No. MP466, Vol. 6, Sec. 1, Guide No. MBPR2

Approvals, CSA: File No. 095329



Material Number	Application	Switching Action	Operating Temperature Range	Differential Temperature	Well Spud Size	Capillary Length	Mounting	Includes
L4006A1009/U	High or Low limit	SPST, contacts break on temperature rise.	100°F to 240°F (38°C to 116°C)	5°F Fixed (3°C fixed)	1/2 in. NPT (13 mm NPT)	1 1/2 in. (38 mm)	Horizontal or Vertical	1/2 in. well - 123869A
L4006A1017/U	High or Low limit	SPST, contacts break on temperature rise.	100°F to 240°F (38°C to 116°C)	5°F to 30°F adj. (3°C to 17°C adj.)	1/2 in. NPT (13 mm NPT)	1 1/2 in. (38 mm)	Horizontal or Vertical	1/2 in. well - 123869A
L4006A1132/U	High or Low limit	SPST, contacts break on temperature rise.	100°F to 240°F (38°C to 116°C)	5°F Fixed (3°C fixed)	3/4 in. NPT (19 mm NPT)	3 in. (76 mm)	Horizontal or Vertical	Stop factory-set at 160°F (71°C); 3/4 in. well - 123871A
L4006A1678/U	High or Low limit	SPST, contacts break on temperature rise.	100°F to 240°F (38°C to 116°C)	5°F to 30°F adj. (3°C to 17°C adj.)	—	3 in. (76 mm)	Horizontal or Vertical	Stop factory-set at 240°F (116°C); Heat-conductive compound
L4006A1959/U	High or Low limit	SPST, contacts break on temperature rise.	40°F to 180°F (4°C to 82°C)	5°F Fixed (3°C fixed)	—	3 in. (76 mm)	Horizontal or Vertical	Heat-conductive compound
L4006A1967/U	High or Low limit	SPST, contacts break on temperature rise.	100°F to 240°F (38°C to 116°C)	5°F to 30°F adj. (3°C to 17°C adj.)	1/2 in. (13 mm)	1 1/2 in. (38 mm)	Horizontal or Vertical	1/2 in. well - 123869A; Stop factory-set at 240°F (116°C)
L4006A2007/U	High or Low limit	SPST, contacts break on temperature rise.	100°F to 240°F (38°C to 116°C)	5°F to 30°F adj. (3°C to 17°C adj.)	—	3 in. (76 mm)	Horizontal	—
L4006B1007/U	Circulator	SPST, contacts make on temperature rise.	100°F to 240°F (38°C to 116°C)	5°F Fixed (3°C fixed)	1/2 in. (13 mm)	1 1/2 in. (38 mm)	Horizontal or Vertical	1/2 in. well - 123869A

Aquastat Controllers

Material Number	Application	Switching Action	Operating Temperature Range	Differential Temperature	Well Spud Size	Capillary Length	Mounting	Includes
L4006B1155/U	Circulator	SPST, contacts make on temperature rise.	100°F to 240°F (38°C to 116°C)	5°F to 30°F adj. (3°C to 17°C adj.)	—	3 in. (76 mm)	Horizontal or Vertical	Stop factory-set at 240°F (116°C); Heat-conductive compound
L4006B1163/U	Circulator	SPST, contacts make on temperature rise.	100°F to 240°F (38°C to 116°C)	5°F to 30°F adj. (3°C to 17°C adj.)	—	3 in. (76 mm)	Horizontal or Vertical	—
L4006E1067/U	High Limit; Manual Reset	SPST, contacts break on temperature rise.	130°F to 270°F (54°C to 132°C)	Manual Reset	—	3 in. (76 mm)	Horizontal or Vertical	Heat-conductive compound; Stop factory-set at 250°F (121°C); Well adapter
L4006E1091/U	High Limit; Manual Reset	SPST, contacts break on temperature rise.	130°F to 270°F (54°C to 132°C)	Manual Reset	—	3 in. (76 mm)	Horizontal or Vertical	—
L4006E1109/U	High Limit; Manual Reset	SPST, contacts break on temperature rise.	130°F to 270°F (54°C to 132°C)	Manual Reset	—	1 1/2 in. to 3 in. (38 mm to 76 mm)	Horizontal or Vertical	—
L4006E1117/U	High Limit; Manual Reset	SPST, contacts break on temperature rise.	100°F to 240°F (38°C to 116°C)	Manual Reset	3/4 in. - 14 NPT (19 mm - 14 NPT)	1 1/2 in. (38 mm)	Horizontal or Vertical	3/4 in. well - 123870A
L4006E1125/U	High Limit; Manual Reset	SPST, contacts break on temperature rise.	100°F to 200°F (38°C to 93°C)	Manual Reset	—	3 in. (76 mm)	Horizontal or Vertical	—
L4006H1004/U	High Limit; strap-on mounting on well mount.	SPST, contacts break on temperature rise.	100°F to 240°F (38°C to 116°C)	Manual Reset	—	1 1/2 in. (38 mm)	Horizontal or Vertical	Bracket for strap-on mounting; Heat-conductive compound; Stop factory-set at 240°F (116°C)
L6006A1012/U	Circulator Control and High Limit or Low Limit	SPDT	100°F to 240°F (38°C to 116°C)	5°F to 30°F adj. (3°C to 17°C adj.)	1/2 in. (13 mm)	1 1/2 in. (38 mm)	Horizontal or Vertical	1/2 in. well - 123869A
L6006A1145/U	Circulator Control and High Limit or Low Limit	SPDT	100°F to 240°F (38°C to 116°C)	5°F to 30°F adj. (3°C to 17°C adj.)	—	3 in. (76 mm)	Horizontal	Stop factory-set at 240°F (116°C); Heat-conductive compound
L6006A1244/U	Circulator Control and High Limit or Low Limit	SPDT	100°F to 240°F (38°C to 116°C)	5°F to 30°F adj. (3°C to 17°C adj.)	—	3 in. (76 mm)	Horizontal or Vertical	—
L6006C1018/U	Circulator Control and High Limit and Low Limit	SPDT	65°F to 200°F (18°C to 93°C)	5°F to 30°F adj. (3°C to 17°C adj.)	—	—	Horizontal or Vertical Surface mounting	Stop factory-set at 200°F (93°C)
L6006C1034/U	Circulator and High and Low Limit	SPDT	65°F to 200°F (18°C to 93°C)	5°F to 30°F adj. (3°C to 17°C adj.)	—	—	Horizontal or Vertical Surface mounting	—