

L4103A,B,C Combination Aquastat® and High Limit Controller

PRODUCT DATA



FEATURES

- L4103A,B,C have a sensing element and a high limit sensor with automatic reset.
- Mounts on a horizontal immersion well in water heater wall.
- Adjustable temperature setting scale.
- Fluid-filled element operates spst, Micro Switch™ snap-acting switch.
- Integral, nonadjustable high limit.
- L4103C is an immersion controller for gas systems. L4103A,B is an immersion controller for oil systems.

APPLICATION

The L4103A,B is an immersion-type controller for oil-fired water heaters. The Aquastat® Controller senses water temperature and cycles the burner through the oil primary. The high-limit controller breaks the circuit to the burner on a temperature rise past the factory-set setpoint.

The L4103C is an immersion-type controller for gas systems that provides water temperature regulation. The high-limit controller breaks the circuit to the burner on a temperature rise past the factory-set setpoint.

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SPECIFICATIONS

IMPORTANT

The specifications given in this publication do not include normal manufacturing tolerances. Therefore, this unit might not exactly match the listed specifications. Also, this product is tested and calibrated under closely controlled conditions, and some minor differences in performance can be expected when those conditions are changed.

Model:

L4103A,B,C Combination Aquastat® and High Limit Controller provides water temperature regulation. The limit controller breaks circuit to the burner on temperature rise past the setpoint. Select models have manual reset.

Differential:

Fixed, nonadjustable, 5.0°F (15°C) or 7.0°F (14°C).

Electrical Ratings (A):

	120 Vac	240 Vac
Full Load	8.0	5.0
Locked Rotor	48.0	30.0

Range:

100°F to 240°F (38°C to 116°C) stop set available between 120°F and 200°F (49°C to 93°C); scale marked HOT-NORMAL-WARM; stop set at HOT.

Pressure Rating:

255 psi (1756 kPa).

Sensing Bulb:

Liquid (toluene) filled.

Immersion Well:

Spud: 3/4 in NPT.

Insertion: 3-3/8 or 5 in. (85.7 or 127.0 mm).

Insulation: 2-1/4 or 4 in. (57.2 or 101.6 mm).

NOTE: If immersion well is needed, refer to form 68-0040, Wells and Fittings for Temperature Controllers, to order one.

High Limit Setting:

Fixed high limit settings between 140°F and 238°F (60°C to 114°C).

Dimensions:

See Fig. 1.

Approvals:

Underwriters Laboratories Inc. Component Recognized: File No. MP466, Guide No. MBPR2.

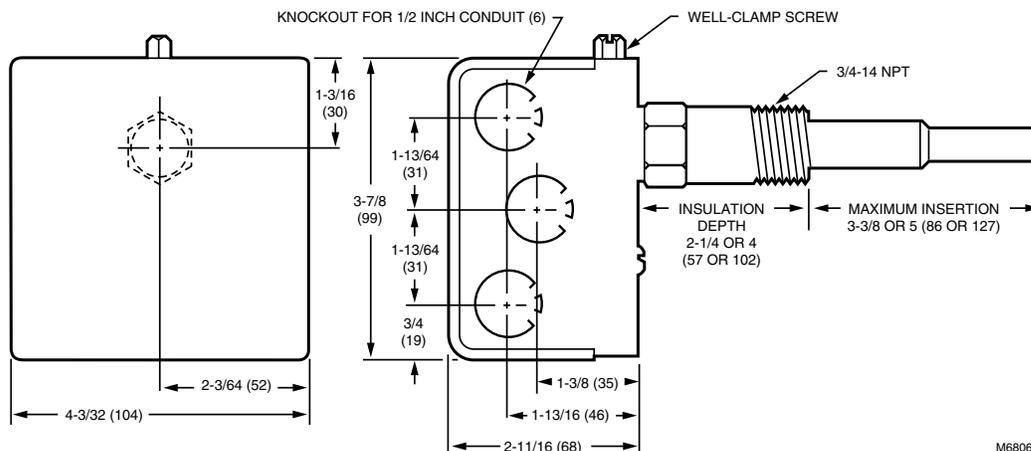


Fig. 1. L4103A,B,C mounting dimensions in in. (mm).

ORDERING INFORMATION

When purchasing replacement and modernization products from your TRADELINE® wholesaler or distributor, refer to the TRADELINE® Catalog or price sheets for complete ordering number.

1. Order number.
2. Insulation depth.

If you have additional questions, need further information, or would like to comment on our products or services, please write or phone:

1. Your local Home and Building Control Sales Office (check white pages of your phone directory).
2. Home and Building Control Customer Logistics
Honeywell Inc., 1985 Douglas Drive North
Minneapolis, Minnesota 55422-4386

In Canada—Honeywell Limited/Honeywell Limitée, 35 Dynamic Drive, Scarborough, Ontario M1V 4Z9.

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