



Floor Warming Thermostat

DS-606.0-0314

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

Floor Warming Thermostat

2. MANUFACTURER

LATICRETE International, Inc.

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3. PRODUCT DESCRIPTION

Floor Warming Thermostat is a simple to use digital programmable thermostat designed to be used with floor warming mats. Thermostats are available with a 5 mA built-in GFCI and 120 V or 240 V configurations.

All electrical connections must be made by a licensed electrician. Failure to do so will void all warranties and claims. Comply with all applicable building and electrical codes.

Features

- Advanced floor control maximizes comfort and energy savings
- 15 A (res.), 50/60 Hz
- 4 wires/DPST with full double-pole disconnect
- 15 ft. sensor (4.5 m) included
- Easily accessible floor sensor connector
- Built-in GFCI with test light
- 7-day programmable
- Epoxy soundproofed
- On/Standby switch

Parts

- Floor sensor probe
- One (1) power base
- Two (2) screws
- Four (4) solderless connectors for copper wires

4. TECHNICAL DATA

Model	Supply	Max. Load	Power	Wiring	GFCI
120 V, 5 mA GFCI	120 VAC, 50/60Hz	15 A	1800 W	4w/DP	5 mA
240 V, 5 mA GFCI	240 VAC, 50/60Hz 280 VAC, 50/60Hz	15 A	3600 W 3120 W	4w/DP	5 mA

Storage: -4°F to 120°F (-20°C to 50°C)

Size (H x W x D) 4.89 x 2.76 x 0.91 in. (124 x 70 x 23 mm)

5. INSTALLATION

Guidelines

Turn off power to the heating system at the main electrical panel to avoid electrical shock. The installation should be carried out by an electrician.

- High voltage thermostats must be installed onto an electrical box.
- For a new installation, choose a location about 5 ft. above the floor and on an inside wall.

Procedure

For complete installation instructions, refer to Floor Warming Install Manual DS 608.9

1. Connect the power base wires to the power supply and load using solderless connectors for copper wires.
2. Insert the floor sensor wires through one of the two holes below the terminals and connect the wires to terminals 3 and 4 (no polarity).
3. If you wish to use a remote controller insert the cable (use 18 to 22 gauge flexible wires) into one of the two holes available below the terminal board and connect to terminals 2 and 3 of the base.
4. Push the excess length of the high-voltage wires back into the electrical box.
5. Secure the power base to the electrical box using the provided screws.
6. If necessary, set the configuration switches on the control module (refer to control module user guide, DS 606.5)
7. Install the control module onto the base.
8. Apply power to the heating system.

6. AVAILABILITY AND COST

Availability

Floor Warming products are available in North America.

For Distributor Information, Call:

Toll Free: 1.800.243.4788

Telephone: +1.203.393.0010

For on-line Distributor information, visit LATICRETE at www.laticrete.com.

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM

DS 230.13: LATICRETE® Product Warranty (United States and Canada)

8. MAINTENANCE

The Internal Floor Warming Thermostat GFCI (Ground Fault Circuit Interrupt) should be tested monthly to ensure continued safe operation. If an external GFCI is utilized, it should also be tested monthly.

9. TECHNICAL SERVICES

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: 1.800.243.4788, ext. 235

Telephone: +1.203.393.0010, ext. 235

Fax: +1.203.393.1948

Technical and Safety Literature

To acquire technical and safety literature, please visit our website at www.laticrete.com.

10. FILING SYSTEM

Additional product information is available on our website at

www.laticrete.com. The following is a list of related documents:

DS 230.13: LATICRETE Product Warranty (United States and Canada)

DS 605.0: Floor Warming Mat

DS 608.9: Floor Warming Install Manual

DS 606.3: Control Module User Guide

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