



HLP-STAT

Indoor/Outdoor Hard Wire Freeze Protection Thermostat



Data Sheet

Description

The Heat-Line HLP-STAT thermostat provides a cost-effective, reliable solution for controlling Heat-Line self-regulating heating cable systems, ensuring consistent performance and energy efficiency. Designed for both indoor and outdoor applications, this hard-wired thermostat offers precise temperature control for Heat-Line pipe heat trace systems. Featuring adjustable temperature settings and a 3.1-meter (10-foot) sensor lead, the HLP-STAT is built to withstand harsh environmental conditions with its NEMA 4X rating.

Features

- Hardwired Thermostat: For use with self-regulating heating cable systems for pipe applications
- Low-Cost Solution: Affordable without compromising on quality or safety
- 120/277V: Suitable for wide range of operating voltages including 24 VAC
- Industrial-Grade Durability: Built for reliability in demanding environments
- Indoor/Outdoor Use: Designed to be weatherproof and dust-tight
- Sensor Lead: Includes a 3.1-meter (10-foot) stainless steel sensor lead
- Adjustable Set Points: 0°F to 120°F (-18°C to 45°C), thermal differential of 1.5°C (2.7°F)
- Large Visible Dial: Makes set point temperatures clear, one dial division equals 1.4°C (2.5°F)
- UL Listed and CSA Certified
- NEMA 4X
- Warranty: 18 months from date of manufacture

Ordering Information

Part No.	Description	Dimensions
HLP-STAT	120/240V 15A indoor/outdoor hard wire thermostat	3.1"W x 6.5"H x 2.5"D

Approvals / Certifications



WARNING:

Important Safety Instructions and Rules for Safe Installation and Operation

- Read these rules and instructions carefully. Failure to follow them could result in serious bodily injury and/or property damage.
- Check your local building and electrical codes before installing. You must comply with their rules and regulations.
- The HLP-STAT is tested by CSA and Underwriters Laboratories Inc. (UL), meets the requirements for NEMA 4X equipment and is suitable for use under the National Electrical Code (NEC).
- The thermostat includes comprehensive wiring diagrams and schematics. A qualified electrician must perform all electrical work in accordance with applicable national and local codes and standards.
- To avoid electrical shock or damage to equipment, disconnect all power before installing or servicing.

- Do not use in potentially flammable or explosive atmospheres.
- Where applicable, remove knockout(s) by impacting near the inside edge of the knockout to be removed. IMPORTANT: Do not impact, dent or use the sensor for support. This will cause calibration and/or thermostat failure.
- Use copper wire only. Insulate or wire-nut all unused leads.
- Even though this thermostat is sealed, water or dust could enter through improperly sealed wiring. A drip loop should be provided to prevent water and other liquids from entering the thermostat housing. The cord or conduit connections to the enclosure must be water and dust tight. The cover must be tightened securely to compress the gasket and provide a watertight seal. Use only screws provided. Do not over-tighten.
- To reduce the risk of fire or electric shock, current-carrying parts and the other components of the control device should be examined and replaced if damaged.

- Be careful not to drop the unit or disturb electronic parts.
- The thermostat contains parts which may wear out through use and are susceptible to failure if over-loaded or used in a manner other than as indicated in this documentation.
- Component approvals and performance are based on the use of specified parts only. Do not substitute parts.
- Check unoccupied residences regularly to ensure that all systems are operating properly.
- Do not install, use or operate if product appears damaged, the enclosure is cracked or broken or if the sensor has been bent, crimped or is dirty.

For additional installation questions, support, or replacement parts contact Heat-Line at (800) 584-4944 or support@heatline.com.

Specifications

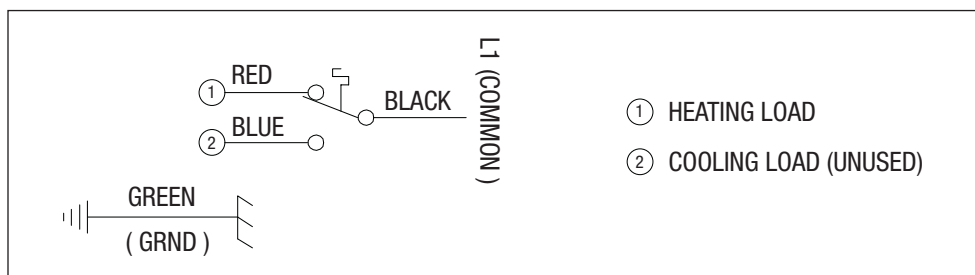
Adjustable Temperature Range	0°F to 120°F (-18°C to 45°C)
One Dial Division Equals	2.5°F (1.4°C)
Nominal Thermal Differential	2.7°F (1.5°C)
Enclosure Assembly Max. Ambient Temp.	140°F (60°C)
Max. Temperature for Sensing Bulb	160°F (71°C)
Capillary Length	10' (3.048 m)
Capillary Min. Inside Radius	0.25" (0.635 cm)
Capillary Materials	Corrosion resistant stainless steel
Load Leads	#14 AWG, 600V, 105°C (221°F) stranded copper wire
Free Lead Length Min.	6" (15.2 cm) with wire ends stripped to 0.62" (1.5 cm)
Knockouts	0.5" (1.27 cm) trade size at 3 locations for UL listed raintight seals, also in far side of wiring compartment
Mounting	Wall mounted with #8 or #10 screws

Electrical Rating

VAC	Inductive FLA	Inductive LRA	Resistive Amps	Pilot Duty
120	16.0	80.0	25	125 VA
208	13.2	66.0	25	125 VA
240	12.0	60.0	25	125 VA
277	10.0	50.0	22	125 VA
480	-	-	5	125 VA

Suitable for 24 VAC operation.

Wiring Diagram



Operations and Check-Out

Allow one hour or necessary amount of time for the thermostat and system to stabilize for normal operation.

TO CHECK OPERATION OF HEATING SYSTEMS:

1. Disconnect power.
2. Place the heat/cool selector switch, if applicable, in the heat position.
3. Adjust the thermostat set point to at least 10°F (5°C) below the temperature of the controlled space.
4. Restore power.
5. Slowly adjust the thermostat knob to raise the set point. When the set point reaches the approximate temperature of the controlled space, the heating equipment should start.

Heat-Line Freeze Protection Systems

1095 Green Lake Road
Algonquin Highlands, ON Canada
KOM 1S0
Tel: 1-705-754-4545
1-800-584-4944
Fax: 1-705-754-4567
info@heatline.com
www.heatline.com

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