

Easy Heat EH-38

Easy Heat EH-38 Thermostatically Controlled Device

USER MANUAL

1. Introduction

The Easy Heat EH-38 is a thermostatically controlled device designed to provide automatic freeze protection for water pipes when used in conjunction with compatible heating cables. This device monitors ambient temperatures and activates the connected heating cable when temperatures drop to a pre-set level, preventing pipes from freezing and bursting. It is intended for use with Easy Heat Freeze Free self-regulating pipe heating cables.

2. Safety Information

Please read and understand all safety instructions before installing or operating this device. Failure to follow these instructions may result in electric shock, fire, or property damage.

- **Electrical Hazard:** Always disconnect power before installing or servicing the device.
- **Indoor Use Only:** This device is designed for indoor use in dry locations. Do not expose to water or excessive moisture.
- **Proper Grounding:** Ensure the outlet used is properly grounded.
- **Load Capacity:** Do not exceed the maximum electrical load rating of the device (1800 Watts, 15 Amps at 120 Volts).
- **Extension Cords:** If an extension cord is necessary, use a heavy-duty, outdoor-rated cord suitable for the electrical load.
- **Children and Pets:** Keep the device out of reach of children and pets.

3. Product Features

- **Automatic Operation:** Activates heating cable when ambient temperature drops to approximately 38°F (3°C) and deactivates when temperature rises to approximately 50°F (10°C).
- **Plug-and-Play Design:** Simple installation into a standard 120V outlet.

- **Integrated Outlet:** Provides a convenient power source for the heating cable.
- **Durable Construction:** Made from metal and plastic for reliable performance.
- **Visual Indicator:** May include an LED indicator to show operational status (refer to specific model for LED functionality).



Figure 1: The Easy Heat EH-38 Thermostatically Controlled Device. This image displays the yellow, rectangular device with a standard two-prong plug on one end and a three-prong outlet on the side, along with the 'EASYHEAT EH38 THERMOSTATICALLY CONTROLLED DEVICE' label.

4. Package Contents

- 1 x Easy Heat EH-38 Thermostatically Controlled Device

5. Setup and Installation

1. **Select Location:** Choose a dry, indoor 120V grounded electrical outlet that is protected from direct weather exposure. The EH-38 should be placed in an area where it can accurately sense the ambient temperature of the pipes requiring protection.
2. **Plug In Device:** Insert the EH-38 device directly into the selected 120V grounded outlet.
3. **Connect Heating Cable:** Plug the power cord of your Easy Heat Freeze Free self-regulating pipe heating cable into the outlet provided on the side of the EH-38 device.
4. **Secure Cable:** Ensure the heating cable is properly installed and secured to the pipes according to its own instruction manual.
5. **Verify Operation:** The device will automatically activate the heating cable when the ambient temperature falls below its activation threshold.

Important: Do not cover the EH-38 device, as this may interfere with its temperature sensing capabilities. Ensure adequate air circulation around the device.

6. Operating Instructions

The Easy Heat EH-38 operates automatically once connected. It functions as a temperature-sensitive switch:

- When the ambient temperature around the EH-38 drops to approximately 38°F (3°C), the internal thermostat will close, supplying power to the connected heating cable.
- When the ambient temperature rises to approximately 50°F (10°C), the internal thermostat will open, cutting off power to the heating cable.

This automatic cycling ensures that the heating cable only operates when necessary, conserving energy while providing reliable freeze protection.

7. Maintenance

The Easy Heat EH-38 requires minimal maintenance. Follow these guidelines to ensure continued reliable operation:

- **Regular Inspection:** Periodically inspect the device and its connections for any signs of damage, wear, or loose connections.
- **Cleaning:** If necessary, gently wipe the exterior of the device with a dry, soft cloth. Do not use liquid cleaners or immerse the device in water.
- **Storage:** If removing the device for off-season storage, store it in a cool, dry place away from direct sunlight and extreme temperatures.

8. Troubleshooting

If the EH-38 device or connected heating cable is not functioning as expected, refer to the following troubleshooting steps:

Problem	Possible Cause	Solution
Heating cable not turning on.	Ambient temperature is above 38°F (3°C). No power to the outlet. Faulty heating cable. Device malfunction.	Verify ambient temperature. The device will only activate below 38°F (3°C). Check the circuit breaker or fuse. Test the outlet with another device. Refer to the heating cable's instruction manual for troubleshooting. If temperature is below 38°F (3°C) and power is present, contact customer support.
Heating cable always on.	Ambient temperature is consistently below 50°F (10°C). Device malfunction.	This is normal operation if the temperature remains low. If the temperature is consistently above 50°F (10°C) and the cable remains on, contact customer support.
Device feels warm.	Normal operation with electrical load.	A slight warmth is normal. If the device is excessively hot to the touch or emits smoke/odor, immediately unplug it and contact customer support.

9. Specifications

Feature	Specification
Model Number	EH-38
Brand	Easy Heat
Voltage	120 Volts
Wattage (Max)	1800 Watts
Amperage (Max)	15 Amps
Activation Temperature	Approximately 38°F (3°C)
Deactivation Temperature	Approximately 50°F (10°C)
Power Source	Corded Electric
Connectivity Technology	Wired
Material	Metal, Plastic
Color	Yellow
Product Dimensions	5 x 7 x 10.5 inches (approximate)

10. Warranty and Support

Easy Heat products are manufactured to high-quality standards. For specific warranty information, please refer to the warranty card included with your purchase or visit the official Easy Heat website. If you encounter any issues or have questions regarding the EH-38 device, please contact Easy Heat customer support for assistance.

Manufacturer: Easy Heat Inc.