HEATIT HISD-F

HEATIT HISD-F 14 Feet Electric Pipe Freeze Protection Heating Cable User Manual

Model: HISD-F (14 Feet)

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your HEATIT HISD-F Electric Pipe Freeze Protection Heating Cable. Please read all instructions carefully before use and retain this manual for future reference.

Image 1.1: HEATIT HISD-F Electric Pipe Freeze Protection Heating Cable with included tape and a pipe valve.

2. SAFETY INFORMATION

Your safety is paramount. Adhere to all warnings and instructions to prevent electric shock, fire, or injury.

- **Certification:** Ensure the heating cable is fully CSA and ETL certified from end to end for superior safety and compliance with industry standards. A UL-certified plug alone is not sufficient for complete protection.
- **Water Pipes Only:** This heating cable is designed for water pipes that are always filled with water. It is not suitable for empty water pipes, fuel lines, hoses, gutters, or steam lines.
- **No Alterations:** Do not alter or cut the heating cable length under any circumstances.
- **Installation:** Install the heating cable along the pipe in a straight line. Avoid touching, crossing, or overlapping the heating cable at any point.
- **Insulation:** Use fiberglass insulation over the heating cable for additional protection in lower temperatures.
- **Grounding:** The cable features a tinned copper wire grounding shield for enhanced user safety.
- **Waterproof:** The cable is IP67-rated, offering waterproof and dustproof protection.

CHOOSE CERTIFICATION CHOOSE RELIABILITY

Certification	ETL(Ensuring Safety),Fully Certified	ETL/CSA(Ensuring Safety),Fully Certified	Only Plug UL,serious risks
Insurance	$2,000,000	$2,000,000	❌
Climate Pledge Friendly	CLIMATE PLEDGE FRIENDLY	CLIMATE PLEDGE FRIENDLY	❌

Fully ETL Certified-The Most Authoritative Certifications in the U.S. and Canada, Ensuring the Highest Quality Standards. Plus, **UL Certified Plug** for extra security.

$2 Million Product Liability Insurance to ensure safety and protection for our customers.

Climate Pledge Friendly Certification signifies that our products meet sustainability standards that help reduce its environmental impact.

Image 2.1: Importance of full CSA & ETL certification for heating cables.

3. PRODUCT FEATURES

- **CSA & ETL Certified:** Ensures compliance with strict North American safety standards.
- **Reliable Freeze Protection:** Operates effectively at temperatures as low as -40°F (-40°C) to prevent freezing in metal or plastic pipes.
- **Automatic Temperature Control:** Built-in thermostat activates below 37°F (3°C) and deactivates above 50°F (10°C), conserving energy.
- **Durable & Waterproof:** Constructed with a PVC shell, nickel-chromium alloy heating wire, and IP67 rating for durability and resistance to water, dust, and flame. Withstands temperatures up to 194°F (90°C).
- **Efficient Design:** Features double-conducting, double-heating design with high-performance XLPE insulation and a tinned copper wire grounding shield.
- **Increased Width:** Upgraded 0.49-inch width (from 0.32-inch) for increased contact area with the pipe, enhancing protection.

Image 3.1: Key features of the HEATIT heating cable.

4. Package Contents

Verify that all items are present in your package:

- HEATIT HISD-F Electric Pipe Freeze Protection Heating Cable (14 Feet)
- 3-foot power cord with UL certified plug
- Built-in thermostat
- 35 feet of aluminum foil fiberglass tape
- User Manual (this document)

5. Setup & Installation

Follow these steps for proper installation of your heating cable.

5.1. Preparation

1. Ensure the pipe is clean and dry before installation.
2. Uncoil the heating cable completely to prevent it from touching or overlapping itself.
3. Temporarily plug in the cable to confirm it heats up. You should feel a slight warmth.

4. Unplug the cable before proceeding with installation.

5.2. Attaching the Cable to the Pipe

1. Position the heating cable along the underside of the pipe.

2. Use the provided aluminum foil fiberglass tape to secure the cable to the pipe at regular intervals (approximately every 12 inches). Ensure the thermostat, splice, and end seal are firmly against the pipe.

3. **Important:** The heating cable must be installed in a straight line along the pipe. Do not spiral, cross, or overlap the cable, as this can lead to overheating and damage.

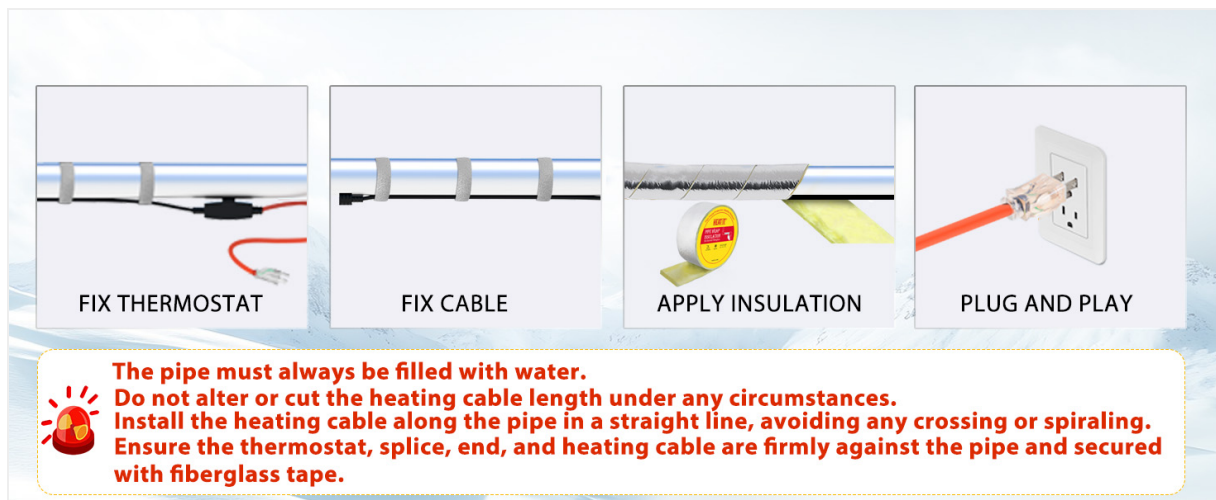Image 5.1: Initial steps for preparing the heating cable.

Image 5.2: Visual guide for securing the heating cable and thermostat to the pipe.

5.3. Applying Insulation

1. After securing the heating cable, apply appropriate pipe insulation (e.g., foam tubing or fiberglass insulation) over the pipe and the heating cable. This helps to retain heat and improve energy efficiency.

2. Ensure the insulation covers the entire length of the heated pipe section, including the thermostat and end seal.

6. OPERATING INSTRUCTIONS

The HEATIT HISD-F heating cable features an automatic thermostat for convenient and energy-efficient operation.

1. Once installed and insulated, plug the heating cable into a standard 120V AC grounded outlet.

2. The built-in thermostat will automatically activate the heating element when the ambient temperature drops below 37°F (3°C).

3. The heating element will automatically shut off when the ambient temperature rises above 50°F (10°C).

4. This automatic control ensures your pipes are protected from freezing only when necessary, optimizing energy consumption.
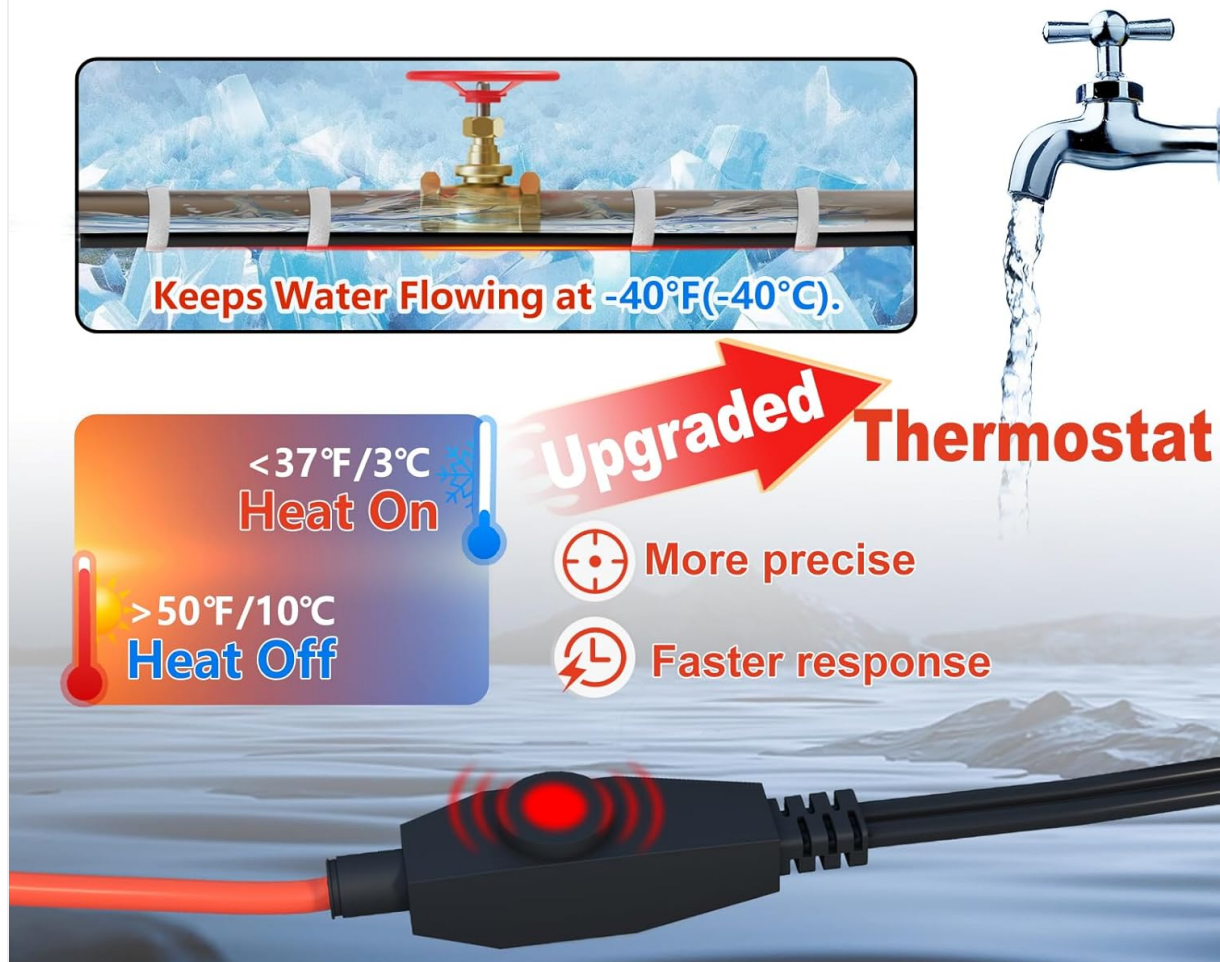

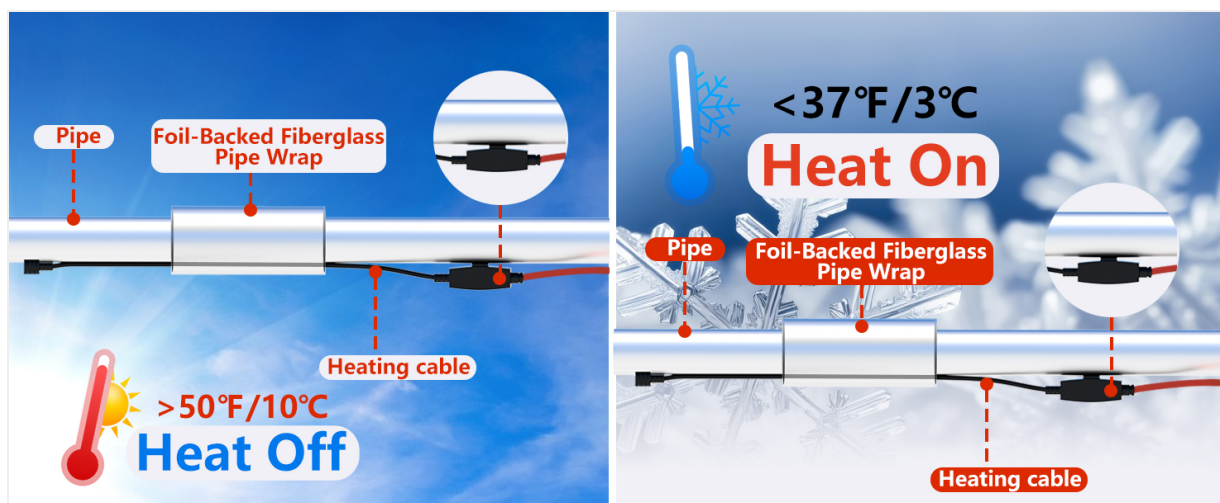Image 6.1: Automatic temperature control mechanism.

Image 6.2: Visual representation of the thermostat's activation and deactivation points.

7. MAINTENANCE

Regular inspection and simple maintenance can extend the life of your heating cable.

- **Seasonal Check:** Before the cold season begins, inspect the entire length of the heating cable and its insulation for any signs of damage, wear, or exposure.
- **Insulation Integrity:** Ensure the pipe insulation remains intact and securely covers the heating cable. Repair or replace any damaged insulation.
- **Power Cord & Plug:** Check the power cord and plug for cuts, fraying, or damage. Do not use if damaged.
- **Cleanliness:** Keep the area around the heated pipe free from debris or obstructions that could interfere with heat dissipation or damage the cable.

8. TROUBLESHOOTING

If your HEATIT heating cable is not functioning as expected, consider the following:

- **No Heat:**
  - Verify the cable is securely plugged into a functional 120V AC grounded outlet.
  - Check the circuit breaker for the outlet.
  - Ensure the ambient temperature is below 37°F (3°C) for the thermostat to activate.
  - Inspect the cable for visible damage.

- **Overheating:**
  - Ensure the cable is not crossed or overlapped at any point.
  - Confirm the pipe is always filled with water.
  - Verify the ambient temperature is below 50°F (10°C).

If issues persist after performing these checks, consult a qualified electrician or contact HEATIT customer support.

9. SPECIFICATIONS

Specification	Detail
Model Number	HISD-F
Length	14 Feet
Material	HISD-F
Certifications	CSA, ETL (full cable), UL (plug)
Operating Temperature Range	Down to -40°F (-40°C)
Thermostat Activation	Activates below 37°F (3°C), shuts off above 50°F (10°C)
Waterproof Rating	IP67
Max Withstand Temperature	194°F (90°C)
Item Weight	1.31 pounds
Package Dimensions	8.07 x 7.87 x 2.48 inches

10. WARRANTY AND SUPPORT

HEATIT is committed to providing high-quality products. This heating cable is backed by a $2 million liability insurance policy, ensuring quality, safety, and peace of mind.

- **Transparency Program:** This product is part of the Transparency Program, allowing you to authenticate its genuineness via a unique code.

- For any questions, technical support, or warranty claims, please refer to the contact information provided on the product packaging or the official HEATIT website.

Image 10.1: HEATIT's commitment to quality and safety through certifications and insurance.