

## DR. INFRARED HEATER DR-101

# DR. INFRARED HEATER DR-101 Heated Rubber Snow Melting Mat User Manual

Model: DR-101

## 1. PRODUCT OVERVIEW

The DR-101 Heated Rubber Snow Melting Mat is designed to prevent snow and ice accumulation on outdoor walkways, stairways, and other surfaces. Constructed from high elastic vulcanized styrene butadiene rubber, it offers excellent mechanical strength, durability, high elasticity, and resistance to extreme temperatures. This mat is environmentally friendly and flame retardant, suitable for leaving outdoors all winter without maintenance.

### Key Features:

- Easy Plug-In and Play Installation
- Dimensions: 23 x 40 Inches
- Power: 120V, 300W heating power
- Includes 10 Ft. GFCI cable for safety
- Connect up to 5 mats on a 15-Amp circuit
- UL Listed for safety standards



Figure 1: DR-101 Heated Rubber Snow Melting Mat with power cord.

This image shows the DR-101 Heated Rubber Snow Melting Mat, highlighting its textured surface and integrated power connection point.

## 2. SAFETY INFORMATION

- Always ensure the mat is connected to a properly grounded 120V electrical outlet.
- Do not exceed a maximum of 5 mats connected to a single 15-Amp circuit.
- Ensure all connections are secure and watertight before operation.
- Do not cover the mats with other materials while in operation.
- Do not use the mats indoors.
- These mats are designed for foot traffic and wheelchairs only; do not drive automobiles over them.
- Keep the mat clear of debris before snowfall for optimal performance.

## 3. PACKAGE CONTENTS

- 1 x DR-101 Heated Rubber Snow Melting Mat (23 x 40 Inches)
- 1 x 10 Ft. GFCI Power Cord

## 4. SPECIFICATIONS

|                              |                      |
|------------------------------|----------------------|
| Product Dimensions           | 40 x 23 x 0.3 inches |
| Item Weight                  | 15.5 pounds          |
| Model Number                 | DR-101               |
| Power                        | 120V, 300W           |
| Maximum Mats per 15A Circuit | 5 mats               |
| Included Components          | 1 GFCI cable, 1 Mat  |

## 5. SETUP

### 5.1 Mat Placement

- Place the snow melting mat(s) on the desired outdoor surface (concrete, asphalt, stone, wood decks).
- Ensure the area is clear of existing snow, ice, and debris before placing the mat.
- For composite/plastic decks, place plywood underneath the mat to allow heat to distribute properly and prevent adverse effects to the deck material.
- The mat features grommet holes in each corner. While not strictly necessary for operation, you may use these to secure the mat in place with screws or anchors (not included) to prevent shifting.

### 5.2 Connecting Multiple Mats (Optional)

The DR-101 mats are designed to be interconnected to cover larger areas. Each mat has male and female connectors.

- Align mats so that the male and female connectors are on the same side.
- Connect the male connector of one mat to the female connector of another. Ensure connections are tight and secure.
- A maximum of 5 mats can be connected to a single 15-Amp circuit.



Figure 2: Close-up of mat connectors for daisy-chaining.

This image displays the male and female connectors on the snow melting mat, illustrating how they interlock for secure connections.



Figure 3: Detailed view of the waterproof mat connectors.

A closer look at the robust, waterproof connectors designed for outdoor use and secure mat linking.

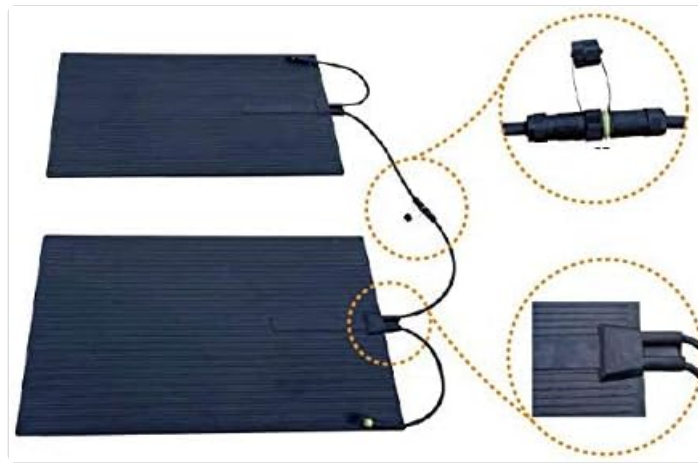


Figure 4: Diagram showing how multiple mats can be connected in series.

This diagram illustrates the series connection of multiple snow melting mats to cover a longer path.

## Heating system

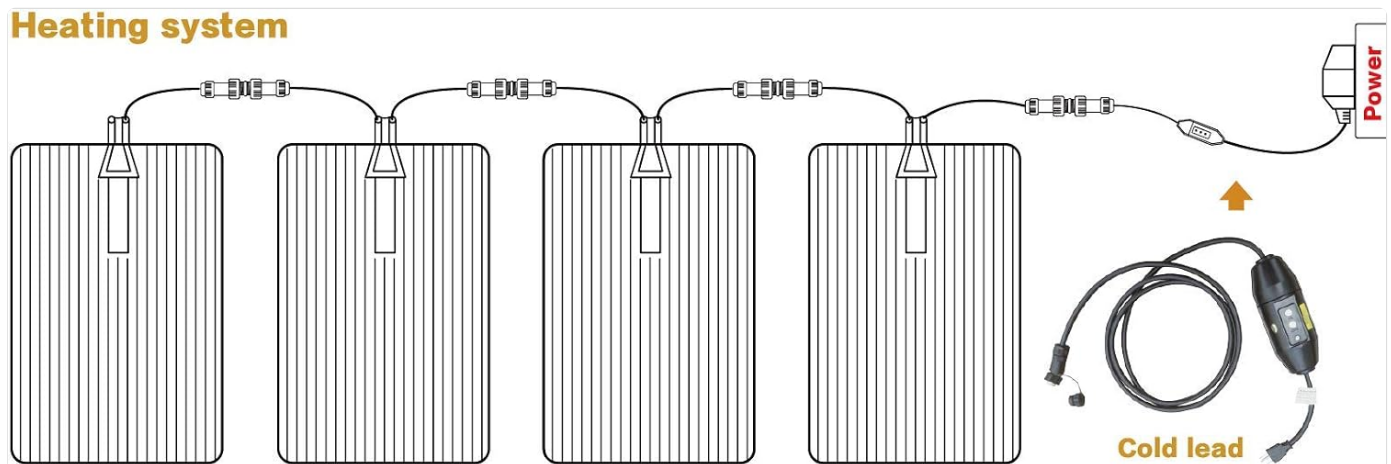


Figure 5: Schematic of a heating system with multiple mats and a single power unit.

A visual representation of how several mats are powered by a single GFCI-protected power cord.

### 5.3 Power Connection

- Connect the 10 Ft. GFCI power cord to the first mat in your series.
- Plug the GFCI power cord into a properly grounded 120V outdoor electrical outlet.
- The GFCI cable provides leakage protection and has overload/short circuit protection.

## 6. OPERATING INSTRUCTIONS

- Turn on the mats at least 30 minutes prior to expected snowfall for optimal performance. This allows the mats to heat up and melt snow on contact.
- If snow has already fallen, turning on the mats will still melt the snow, but it may take longer.
- Keep the mats on for a few hours after snowfall has stopped to ensure any water runoff does not freeze.
- The mats are efficient down to -5°F and can melt snow at a rate of approximately 2 inches per hour.
- To operate, press the 'Reset' button on the GFCI power unit. To turn off, press the 'Test' button.

### 6.1 Operational Demonstration Videos

#### HeatTrak Snow-melting Mats for Walkway, Driveway and Stairs

This video provides a general overview of how snow-melting mats, similar to the DR-101, are installed and operated on walkways,

driveways, and stairs. It demonstrates connection methods and operational tips.

### **Walensee Snow Melting Mats for Stairs, 10" x 30"**

This video showcases the functionality of snow melting mats on stairs, demonstrating their effectiveness in keeping surfaces clear of snow and ice. While from a different brand, the operational principles are similar to the DR-101.

## **7. MAINTENANCE**

- The mats are designed to be left outdoors all winter long without special maintenance.
- Periodically inspect the mats and power cord for any signs of damage or wear.
- Clean the mats with a damp cloth if they become dirty. Do not use harsh chemicals or abrasive cleaners.
- Ensure connectors are free of dirt and moisture before making connections.

## **8. TROUBLESHOOTING**

- **Mat not heating:**
  - Check if the GFCI power cord is securely plugged into a working outlet.
  - Ensure the 'Reset' button on the GFCI is pressed (light should be on).
  - Verify all mat connections are tight and secure.
  - Confirm that the total number of connected mats does not exceed the 15-Amp circuit limit.
- **Uneven melting:**
  - Ensure the mat is laid flat on the surface without any folds or creases.
  - Check for any debris or objects on the mat that might be insulating it from the snow.

## **9. WARRANTY**

The DR-101 Heated Rubber Snow Melting Mat comes with a 1-year manufacturer limited warranty. Please retain your proof of purchase for warranty claims.

## **10. SUPPORT**

For any questions, concerns, or technical assistance, please contact DR. INFRARED HEATER customer support. Our local service support team is available to address all your inquiries.

Visit the [DR. INFRARED HEATER Store](#) for more information and accessories.

## ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

### Name

Anonymous

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### Question

Example: How do I reset this device or fix this error?

### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question