

[Manuals.plus](#) /

› [Dometic](#) /

› Dometic Furnace Thermostat 32300 User Manual

Dometic 32300

Dometic Furnace Thermostat (Heat Only) - Model 32300

User Manual

1. PRODUCT OVERVIEW

The Dometic Model 32300 Furnace Thermostat is a reliable, heat-only mechanical thermostat designed for recreational vehicle (RV) furnace systems. It provides simple and effective temperature control, ensuring comfortable indoor climate in your RV. Its compact design and easy-to-read temperature scale make it an ideal replacement or upgrade for many RV heating applications.



Figure 1: Front view of the Dometic Furnace Thermostat Model 32300, showing the temperature dial and Dometic branding.

2. SAFETY INFORMATION

- Always disconnect power to the furnace system before installation, maintenance, or troubleshooting.
- Installation should be performed by a qualified technician if you are unsure about electrical wiring.
- Do not expose the thermostat to excessive moisture or extreme temperatures outside its operating range.
- This product is designed for low-voltage furnace control systems only. Do not connect to line voltage (120V/240V AC).
- **California Proposition 65 Warning:** This product may contain materials cautioned by California Proposition 65.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation.

- Dometic Furnace Thermostat Model 32300 (Heat Only) - Black
- Mounting Screws
- Instruction Manual (this document)

4. INSTALLATION AND SETUP

4.1 Choosing a Location

Select a location on an interior wall, approximately 5 feet (1.5 meters) above the floor. Avoid locations near heat sources (e.g., direct sunlight, lamps, appliances), cold drafts (e.g., windows, doors), or areas with poor air circulation.

4.2 Mounting the Thermostat

1. **Disconnect Power:** Turn off all power to the furnace system at the main circuit breaker or fuse box before proceeding.
2. **Remove Old Thermostat (if applicable):** Carefully remove the old thermostat from the wall. Note the wiring connections before disconnecting them. Take a picture if necessary.
3. **Prepare Wiring:** Ensure the low-voltage wires (typically 2 wires for heat-only systems) are accessible from the wall opening.
4. **Mount Base Plate:** If the thermostat has a separate base plate, secure it to the wall using the provided mounting screws. Ensure it is level.
5. **Connect Wires:** Connect the furnace control wires to the appropriate terminals on the new thermostat. For a heat-only system, these are typically "R" (power) and "W" (heat call). Refer to the wiring diagram on the thermostat or in the original furnace manual if unsure.
6. **Attach Thermostat Body:** Secure the thermostat body to the base plate or directly to the wall, ensuring wires are not pinched.
7. **Restore Power:** Turn the power back on to the furnace system.

5. OPERATING INSTRUCTIONS

The Dometic 32300 thermostat features a simple mechanical knob for temperature adjustment.

1. **Turn On/Off:** Some models may have a simple ON/OFF switch. Ensure it is in the "ON" position for operation. If no switch is present, the thermostat is always active when power is supplied.
2. **Set Temperature:** Rotate the mechanical knob to your desired temperature setting. The scale typically shows both Celsius and Fahrenheit. The furnace will activate when the ambient temperature drops below your set point and will turn off once the set point is reached.
3. **Temperature Range:** The thermostat typically operates within a range of approximately 50°F to 90°F (10°C to 30°C).

6. MAINTENANCE

The Dometic 32300 thermostat requires minimal maintenance.

- **Cleaning:** Periodically wipe the exterior of the thermostat with a soft, damp cloth. Do not use abrasive cleaners or solvents.

- **Air Vents:** Ensure the small vents on the thermostat casing are free from dust and debris, as these allow the thermostat to sense ambient temperature accurately.
- **Calibration Check:** If you suspect inaccurate temperature readings, you can compare the thermostat's reading with a known accurate thermometer placed nearby. If significant discrepancies exist, the thermostat may need replacement.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Furnace does not turn on.	No power to furnace/thermostat. Thermostat set too low. Loose wiring connection. Furnace lockout/fault.	Check circuit breaker/fuse. Raise set temperature above ambient. Check wiring at thermostat and furnace. Consult furnace manual for reset procedures.
Furnace runs continuously.	Thermostat set too high. Shorted thermostat wires. Thermostat malfunction.	Lower set temperature below ambient. Inspect wires for damage or short circuits. Replace thermostat if other solutions fail.
Inaccurate temperature reading.	Thermostat located near heat/cold source. Dust/debris in vents.	Relocate thermostat if possible. Clean thermostat vents.

8. SPECIFICATIONS

Model Name:	Dometic 32300
Product Type:	Furnace Thermostat (Heat Only)
Controller Type:	Mechanical Knob
Color:	Black
Temperature Control Type:	Thermostatic
Power Source:	Low Voltage (typically 12V DC for RV applications)
Mounting Type:	Wall Mount
Dimensions (L x W x H):	Approx. 3 x 1 x 3 inches (7.6 x 2.5 x 7.6 cm)
Item Weight:	3.2 ounces (approx. 90.7 grams)
Country of Origin:	China

9. WARRANTY INFORMATION

Dometic products are manufactured to high standards and come with a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Dometic website. Keep your proof of purchase for warranty claims.

10. CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or parts inquiries, please contact Dometic Customer Support:

- **Website:** Visit www.dometic.com for FAQs, product registration, and support resources.
- **Phone:** Refer to the Dometic website for regional contact numbers.

When contacting support, please have your product model number (32300) and purchase date available.