

ICM Controls 7431990920987

ICM Controls Fixed 60 Degrees F Thermostat User Manual

Model: 7431990920987

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the ICM Controls Fixed 60 Degrees F Thermostat. This low voltage thermostat is designed for use with 2-wire HVAC systems to maintain a fixed temperature of 60 degrees Fahrenheit.

The ICM Controls Fixed 60 Degrees F Thermostat is a non-programmable device intended for applications where a constant temperature setting is required, such as in unoccupied spaces or for freeze protection.

2. SAFETY INFORMATION

WARNING: Electrical Shock Hazard

- Always disconnect power to the HVAC system at the main service panel before installing or servicing this thermostat. Failure to do so can result in electrical shock, property damage, or death.
- Installation should be performed by a qualified technician.
- Ensure all wiring connections are secure and comply with local electrical codes.

Read all instructions carefully before proceeding with installation or operation.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- ICM Controls Fixed 60 Degrees F Thermostat
- Integrated 6-inch wire leads

4. INSTALLATION AND SETUP

4.1 Mounting Location

Select a mounting location that is:

- On an interior wall, approximately 5 feet (1.5 meters) above the floor.
- Away from direct sunlight, drafts, or heat sources (e.g., lamps, appliances, fireplaces).
- Away from areas with poor air circulation.

4.2 Wiring Instructions

1. **Disconnect Power:** Turn off power to the HVAC system at the circuit breaker or fuse box.
2. **Identify Wires:** This thermostat is designed for 2-wire low voltage HVAC systems (18VAC to 30VAC). Typically, these systems use R (power) and W (heat call) wires. Consult your HVAC system's manual if unsure.
3. **Connect Thermostat:** Connect the two wire leads from the ICM Controls thermostat to the corresponding R and W terminals of your HVAC system's control wiring. Ensure connections are secure.
4. **Mount Thermostat:** Secure the thermostat to the wall using appropriate fasteners. This unit is designed for surface mounting.
5. **Restore Power:** Once wiring is complete and secure, restore power to the HVAC system.

The thermostat will immediately begin sensing the ambient temperature and control the heating system to maintain 60 degrees F.

5. OPERATION

The ICM Controls Fixed 60 Degrees F Thermostat is a non-adjustable, single-setpoint device. It is designed to activate your heating system when the ambient temperature falls below 60 degrees Fahrenheit and deactivate it when the temperature reaches or exceeds 60 degrees Fahrenheit.

There are no user-adjustable settings, buttons, or displays on this thermostat. Its operation is fully automatic once correctly installed and powered.

6. MAINTENANCE

This thermostat requires minimal maintenance. Follow these guidelines:

- **Cleaning:** Periodically wipe the exterior of the thermostat with a soft, dry cloth. Do not use liquid cleaners or solvents.
- **Airflow:** Ensure that the thermostat is not obstructed by furniture, curtains, or other objects that could impede proper air circulation around the sensor.
- **Annual Check:** It is recommended to have your HVAC system and thermostat checked annually by a qualified technician to ensure optimal performance.

7. TROUBLESHOOTING

If your heating system is not operating as expected, consider the following:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Heating system not turning on.	No power to the thermostat or HVAC system.	Check circuit breaker/fuse. Ensure power is restored.
	Incorrect wiring.	Verify wiring connections (R and W) are secure and correct. Refer to Section 4.2.
	Ambient temperature is above 60°F.	The thermostat will only activate heating when the temperature drops below 60°F. This is normal operation.
Heating system running constantly.	Ambient temperature is consistently below 60°F.	This is normal operation if the space requires continuous heating to maintain 60°F.
	Thermostat malfunction.	If the temperature is above 60°F and the heating system is still running, disconnect power and contact a qualified technician or ICM Controls support.

For issues not listed here, or if troubleshooting steps do not resolve the problem, contact ICM Controls customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	ICM Controls
Model Number	7431990920987
Control Range	Fixed 60 Degrees F
Voltage	18VAC to 30VAC
System Switching	No
Fan Switching	No
Automatic Changeover	No
Dual Transformer Compatible	No
Power Method	Hardwired
750mV Compatible	No
Mounting Type	Surface Mount
Dimensions (Height x Width x Depth)	2 In. x 3/8 In. x 3/8 In. (Approximate, based on description)
Included Components	6" Wire Leads
Item Weight	16 ounces (1 pound)

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or visit the official ICM Controls website. ICM Controls products are designed for reliability and performance.

If you require technical assistance or have questions regarding your ICM Controls Fixed 60 Degrees F Thermostat, please contact ICM Controls customer support through their official channels. Have your model number (7431990920987) ready when contacting support.

ICM Controls Website: www.icmcontrols.com