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Liebert 153210G2S

Liebert 153210 G2S Thermostat User Manual

Model: 153210G2S | Brand: Liebert

Introduction

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of the Liebert 153210 G2S Thermostat. This 4-wire thermostat is designed for use with 5-8 ton HVAC units, providing precise control over heating, ventilation, and air conditioning systems. Please read this manual thoroughly before installation and operation to ensure proper functionality and safety.

Product Overview



Figure 1: Front view of the Liebert 153210 G2S Thermostat. It features a digital display at the top, with the "Liebert Precision Cooling" logo to its right. Below the display, there are six control buttons arranged in two rows: "I/O", "MENU", and an "Up" arrow in the top row, and a "Mute/Question Mark", "Down" arrow, and "ESC" in the bottom row. An "ENTER" button with a left arrow icon is located to the right of the "Down" arrow button.

The Liebert 153210 G2S Thermostat is a robust control unit featuring a clear digital display and intuitive button interface for managing HVAC settings. It is designed for wall-mounted applications and provides reliable performance for compatible systems.

Setup and Installation

Proper installation is crucial for the optimal performance of your Liebert 153210 G2S Thermostat. This device requires a 4-wire connection and is compatible with 5-8 ton HVAC units.

Safety Precautions:

- Always disconnect power to the HVAC system at the circuit breaker before beginning installation.
- Ensure all wiring is performed by a qualified technician in accordance with local electrical codes.
- Do not install the thermostat in direct sunlight, near heat sources, or in areas with poor air circulation.

Wiring Instructions:

1. Identify the existing thermostat wires. Typically, these include R (power), G (fan), Y (cooling), and W (heating).
2. Connect the 4 wires from your HVAC unit to the corresponding terminals on the Liebert 153210 G2S Thermostat. Refer to the wiring diagram provided with your HVAC unit for specific terminal designations.
3. Ensure all connections are secure and free from loose strands.
4. Mount the thermostat securely to the wall using the provided mounting hardware.
5. Once wiring and mounting are complete, restore power to the HVAC system.

Operating Instructions

The Liebert 153210 G2S Thermostat features a user-friendly interface for controlling your environment.

Button Functions:

- **I/O (Input/Output):** Used to toggle the system on or off, or to switch between different input/output modes.
- **MENU:** Accesses the main menu for advanced settings and configurations.
- **▲ (Up Arrow):** Navigates up through menu options or increases temperature/setting values.
- **▼ (Down Arrow):** Navigates down through menu options or decreases temperature/setting values.
- **ESC (Escape):** Exits the current menu or cancels an operation without saving changes.
- **ENTER:** Confirms a selection or saves changes within a menu.
- / **? (Mute/Question Mark):** May function as a mute button for alarms or provide access to help/information screens.

Basic Operation:

1. **Power On/Off:** Press the **I/O** button to turn the thermostat on or off.
2. **Adjusting Temperature:** Use the **Up** (▲) and **Down** (▼) arrow buttons to set your desired temperature. The current temperature and setpoint will be displayed.
3. **Accessing Menu:** Press the **MENU** button to enter the main settings menu. Use the arrow buttons to navigate and **ENTER** to select.
4. **Exiting Menus:** Press the **ESC** button to go back to the previous screen or exit the menu entirely.

Maintenance

Regular maintenance ensures the longevity and efficiency of your Liebert 153210 G2S Thermostat.

- **Cleaning:** Periodically wipe the thermostat's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Airflow:** Ensure that the area around the thermostat is clear of obstructions to allow for accurate temperature sensing.
- **Battery Replacement:** (If applicable, check product for battery compartment) If your model uses batteries, replace them annually or when a low battery indicator appears on the display.
- **System Checks:** It is recommended to have your HVAC system professionally inspected annually to ensure all components, including the thermostat, are functioning correctly.

Troubleshooting

If you encounter issues with your Liebert 153210 G2S Thermostat, refer to the following common problems and solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Thermostat display is blank.	No power to the thermostat; tripped circuit breaker; loose wiring.	Check circuit breaker and reset if tripped. Verify all wiring connections are secure. Consult a professional if power is still not restored.
HVAC system not responding to thermostat settings.	Incorrect mode selected; wiring issue; system lockout.	Ensure the thermostat is set to the correct mode (Heat/Cool/Fan). Check wiring connections. If the system is in lockout, wait for the lockout period to expire or reset the HVAC unit.
Inaccurate temperature readings.	Thermostat located near heat source/draft; sensor obstruction.	Relocate thermostat if possible. Ensure no objects are blocking the thermostat's sensor.

If the problem persists after attempting these solutions, please contact Liebert customer support or a qualified HVAC technician.

Specifications

Feature	Detail
Brand	Liebert
Model Number	153210G2S
Product Weight	454 g (approximately 1 lb)
Voltage	24 Volts
Material	Plastic
Controller Type	Manual Control
Specific Product Uses	Heating, Ventilation, and Air Conditioning Systems
Connectivity Technology	Wired
First Available Date	February 12, 2018

Warranty Information

Liebert products are manufactured to high quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Liebert website. Keep your purchase receipt as proof of purchase for any warranty claims.

Customer Support

For technical assistance, troubleshooting beyond this manual, or to inquire about replacement parts, please contact

Liebert customer support. Contact information can typically be found on the product packaging, the official Liebert website, or through your authorized dealer.
Please have your model number (153210G2S) and purchase date ready when contacting support.

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