

CLIMALINK SENSE

QUICK START GUIDE



For All Tranquility Water-Source Products

Part#: LC3070 | Revised: April 7, 2026

PACKAGE CONTENTS

- ClimaLink Sense
- Mounting base
- Installation screws and anchors
- Quick Start Guide



CLIMALINK SENSE

PRODUCT OVERVIEW

The ClimaLink Sense is a wall-mounted user interface and environmental sensing device designed for use with ClimateMaster water-source heat pump systems and compatible ClimateMaster controls (DXM2.6, CXM2, ClimaLink Edge). The sensor provides:

- Space temperature, relative humidity, CO₂ sensing
- Local user interface for temperature setpoints, mode, and fan control
- Modbus RTU communications as a slave device
- Occupancy indication and system fault visualization

The ClimaLink Sense does not perform HVAC control logic internally; all control decisions are executed by the WSHP unit control.

ENVIRONMENTAL SPECIFICATIONS

Operating: 32° to 104°F (0° to 40°C),
5% to 95% relative humidity, non-condensing

Storage: 25° to 130°F (-5° to 55°C)

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SAFETY INFORMATION

WARNING

- Installation must be performed by qualified personnel.
- Disconnect power before wiring.
- Use only Class II power sources.

CAUTION

- Do not install in locations exposed to water, corrosive vapors, or direct sunlight.
- Do not exceed rated voltage.

MECHANICAL INSTALLATION

Mounting Location

Recommended mounting height: 54-60 in (1.4-1.5 m) above finished floor.

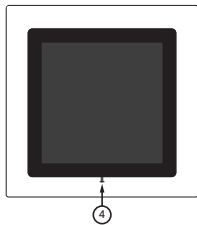
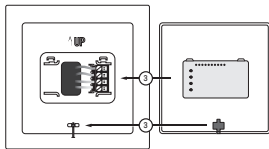
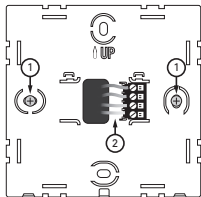
Install in a location that:

- Represents average space temperature
- Has free air circulation
- Is away from supply air, exterior walls, or heat sources

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Wall Mounting

1. Secure base to the wall using provided anchors.
2. Route wiring through the base opening and secure in the appropriate terminal.
3. Secure face plate to the base. Then attach the sensor to base until it clicks into place.
4. Secure the sensor to the base via the screw at the bottom.



ELECTRICAL INSTALLATION

Power Supply

- Voltage: 24VAC, 50/60 Hz; or 24 VDC
- Source: Provided by host unit controller (e.g., CXM2, DXM2.6, or ClimaLink Edge)

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Terminals

| Terminal | Description |
|----------|-----------------|
| R | 24VAC or 24 VDC |
| C | Common |



CAUTION

Do not apply line voltage

Note: The sensor is compatible with both 24 VAC and 24 VDC supplies.

- CXM2/DXM2.6 controllers provide 24 VAC.
- ClimaLink Edge provides 24 VDC. Ensure correct polarity when using DC supply.

Communications

- Protocol: Modbus RTU (half-duplex)
- Mode: Slave only
- Address range: 0x10-0x14

Note: The Modbus address is configurable via the MENU screen.

POWER-UP OPERATION

Upon power-up:

1. ClimateMaster logo displays for ~3 seconds
2. Sensor transitions to HOME screen
3. Screen dims after inactivity based on Screen Saver setting

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USER INTERFACE OVERVIEW





Home Screen

The HOME screen displays:

- Space temperature (center)
- Relative humidity (below temperature)
- CO₂ level (top-left)
- Occupancy icon (top-right)
- Heat/Cool setpoint dials
- Mode, Fan, and Menu buttons (bottom banner)

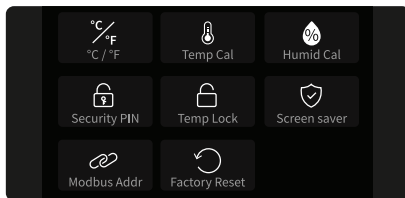


Status Icons

| Icon | Description | Icon | Description |
|---|-----------------------|---|------------------|
|  | CO ₂ level |  | Occupancy status |
|  | System lockout/fault |  | Screen locked |

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MENU FUNCTIONS



| Icon | Label | Description |
|------|-------------------------|---|
| | Units | Change temperature display units (°F / °C). |
| | Temperature Calibration | Adjust displayed temperature Range: $\pm 5^{\circ}\text{F}$ ($\pm 1.5^{\circ}\text{C}$) |
| | Humidity Calibration | Adjust displayed humidity Range: $\pm 10\%$ RH |
| | Security PIN | <ul style="list-style-type: none">Enables 4-digit PIN lockOptional temperature-only or full lock |
| | | |
| | Screen Saver | Adjustable timeout: 0-180 seconds |
| | Modbus Address | <ul style="list-style-type: none">Selectable addresses: 0x10-0x14Stored in non-volatile memory |
| | Factory Reset | Restores all settings to factory defaults. |



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