Honeywell TR40

Honeywell TR40 Wall Module: Temperature Sensor User Manual

Model: TR40

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of the Honeywell TR40 Wall Module. The TR40 is a temperature-only sensor designed for use with compatible Honeywell Sylk-enabled controllers. It provides accurate room temperature readings to the control system, enabling efficient environmental management.

The TR40 module is a two-wire device, simplifying installation and integration into existing building management systems. It does not feature user-adjustable controls or a display, functioning solely as a data input device for the main controller.

SAFETY INFORMATION

WARNING: Electrical shock hazard. Can cause serious injury or death.

- Always disconnect power to the system before installing or servicing the TR40 module.

- Installation must be performed by a qualified and experienced technician.

- Adhere to all local electrical codes and regulations.

- Do not use this device for applications other than those specified in this manual.

SETUP AND INSTALLATION

Proper placement and wiring are crucial for accurate temperature sensing.

1. Choosing a Location

- Select an indoor wall location approximately 1.5 meters (5 feet) above the floor.

- Avoid locations near heat sources (e.g., lamps, direct sunlight, heating vents, appliances).

- Avoid locations near cold sources (e.g., outside walls, windows, air conditioning vents).

- Ensure good air circulation around the module.

2. Mounting the Module

1. Carefully separate the front cover from the backplate.
2. Mount the backplate directly to a wall or a standard electrical box using appropriate screws. Ensure the backplate is level.
3. Route the Sylk wiring through the opening in the backplate.

3. Wiring

The TR40 uses a two-wire Sylk bus connection. Ensure power is disconnected before wiring.

- Connect the two Sylk wires from the compatible controller to the designated terminals on the TR40 backplate.
- Ensure connections are secure and free from loose strands.
- Refer to the wiring diagram provided with your main Sylk-enabled controller for specific terminal designations.

4. Final Assembly

1. Once wiring is complete, carefully reattach the front cover to the backplate, ensuring it snaps securely into place.
2. Restore power to the system. The TR40 will automatically begin communicating with the Sylk-enabled controller.

This image displays the front of the Honeywell TR40 Wall Module, a rectangular white unit with the Honeywell logo subtly embossed on the upper right side. It features a clean, minimalist design, indicating its function as a discreet temperature sensor.

OPERATING THE TR40 MODULE

The Honeywell TR40 Wall Module is a passive temperature sensor. It does not have any user-operable controls, buttons, or a display. Its sole function is to measure the ambient room temperature and transmit this data to a connected Honeywell Sylk-enabled controller.

All temperature setpoint adjustments, mode changes, and system configurations are performed through the main controller or building management system to which the TR40 is connected. Refer to the user manual of your specific Honeywell controller for instructions on how to interact with the temperature data provided by the TR40.

Maintenance

The TR40 Wall Module requires minimal maintenance.

- **Cleaning:** Periodically wipe the exterior of the module with a soft, dry, or slightly damp cloth. Do not use abrasive cleaners, solvents, or chemical sprays, as these can damage the finish or internal components.

- **Inspection:** Occasionally check the module for any signs of physical damage or loose connections. If damage is observed, disconnect power and contact a qualified technician.

- **Calibration:** The TR40 is factory calibrated and typically does not require field calibration. If temperature readings appear inaccurate, first verify the module's placement and ensure no external heat/cold sources are influencing it. Consult your main controller's manual for any offset adjustments if available.

Troubleshooting

If you experience issues with your TR40 Wall Module, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
No temperature reading on controller.	No power to the controller. Loose or incorrect Sylk wiring. Faulty TR40 module.	Verify power to the main controller. Check Sylk wiring connections at both the TR40 and the controller. Ensure polarity is correct if specified by the controller. If wiring is correct and power is present, the module may be faulty and require replacement.
Inaccurate temperature reading.	Improper module placement. External heat/cold sources. Controller calibration offset.	Review "Choosing a Location" in the Setup section. Relocate if necessary. Identify and eliminate any drafts, direct sunlight, or nearby appliances affecting the sensor. Consult your main controller's manual for options to apply a temperature offset if a minor adjustment is needed.

For further assistance, refer to the documentation for your main Honeywell Sylk-enabled controller or contact Honeywell technical support.

Specifications

- **Model:** TR40
- **Brand:** Honeywell
- **Function:** Temperature sensing only
- **Connectivity:** Two-wire Sylk bus

- **Material:** Copper (internal components, casing is typically plastic)

- **Item Weight:** Approximately 8 ounces (0.23 kg)

- **Backlight:** No

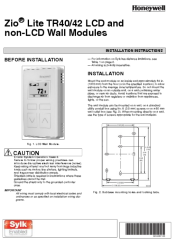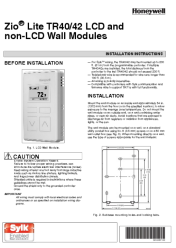- **Compatibility:** Designed for use with Honeywell Sylk-enabled controllers.
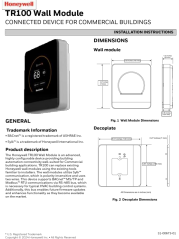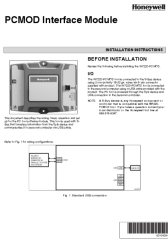
WARRANTY AND SUPPORT

Honeywell products are manufactured to high standards and are backed by a limited warranty. For specific warranty terms and conditions applicable to your TR40 Wall Module, please refer to the warranty documentation included with your purchase or visit the official Honeywell website.

For technical support, product inquiries, or service, please contact Honeywell customer service or your authorized Honeywell distributor. Contact information can typically be found on the Honeywell website or on the packaging of your product.

You can visit the Honeywell website for more information:www.honeywell.com

Related Documents - TR40

	[Honeywell TR40/42 Zio Lite Wall Modules Installation Guide](#) Installation instructions for Honeywell TR40/42 Zio Lite wall modules with and without LCD displays. Covers mounting, wiring, and configuration for these thermostats.
	[Honeywell Zio Lite TR40/42 LCD and Non-LCD Wall Modules Installation Instructions](#) Comprehensive installation guide for Honeywell Zio Lite TR40/42 LCD and Non-LCD Wall Modules, covering wiring, mounting, and power-up procedures.
	[Honeywell Zio Lite TR40/42 LCD and non-LCD Wall Modules Installation Guide](#) This document provides detailed installation instructions for the Honeywell Zio Lite TR40/42 LCD and non-LCD Wall Modules, covering wiring, mounting, and power-up procedures.

[Honeywell TR100 Wall Module Installation Instructions for Commercial Buildings](#)

Comprehensive installation guide for the Honeywell TR100 Wall Module, a connected device designed for commercial building automation. This document details product specifications, safety precautions, regulatory compliance, hardware overview, power supply requirements, and step-by-step mounting and wiring procedures.

[Honeywell PCMOD Interface Module Installation Instructions](#)

Installation guide for the Honeywell W7220-PCMOD Interface Module, detailing its connection, software setup, and basic operation for S-Bus and Sylk devices.

[Honeywell TR100 Wall Module Pocket Guide](#)

A concise guide to the Honeywell TR100 Wall Module, covering its features, installation, and technical specifications for building automation.