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TECNOSWITCH TE301ME

TECNOSWITCH TE301ME Mechanical Room Thermostat with Switch User Manual

Model: TE301ME

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your TECNOSWITCH TE301ME Mechanical Room Thermostat with Switch. Please read this manual carefully before installation and use to ensure proper function and safety. Keep this manual for future reference.

The TECNOSWITCH TE301ME is a mechanical room thermostat designed to control heating or cooling systems. It features a simple on/off switch and an indicator light for ease of use.

2. IMPORTANT SAFETY INFORMATION

- Installation must be performed by a qualified electrician in accordance with local electrical codes and regulations.
- Always disconnect power to the heating/cooling system at the main circuit breaker before installing or servicing the thermostat.
- Do not expose the thermostat to water or excessive humidity.
- Do not open the thermostat casing unless instructed to do so in this manual. There are no user-serviceable parts inside.
- Ensure all wiring connections are secure and properly insulated to prevent electrical hazards.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- TECNOSWITCH TE301ME Mechanical Room Thermostat
- Mounting Screws and Wall Plugs
- User Manual (this document)

4. PRODUCT OVERVIEW

The TECNOSWITCH TE301ME thermostat is designed for simple and reliable temperature control. Key features include:

- On/Off switch for manual system control.
- Indicator light to show system status.
- Unipolar thermostat for straightforward operation.

- Adjustable temperature range from +5 °C to +30 °C.



Figure 1: Front view of the TECNOSWITCH TE301ME Mechanical Room Thermostat, showing the temperature dial, on/off switch, and indicator light.

5. INSTALLATION

Important: Ensure power is disconnected at the main circuit breaker before beginning installation.

5.1 Choosing a Location

Select a location on an interior wall, approximately 1.5 meters (5 feet) above the floor. Avoid locations:

- Near windows, doors, or air vents.
- In direct sunlight or near heat-emitting appliances (e.g., televisions, lamps).
- On exterior walls or in areas with poor air circulation.

5.2 Mounting the Thermostat

1. Carefully separate the front cover from the base of the thermostat.
2. Position the thermostat base on the wall at the chosen location.
3. Mark the drilling points through the mounting holes on the base.
4. Drill holes and insert wall plugs if necessary.
5. Secure the thermostat base to the wall using the provided screws.

5.3 Wiring

The TE301ME is a unipolar thermostat. Connect the electrical wires to the terminals as shown in the wiring diagram below. Ensure all connections are tight and correct.



Figure 2: Example wiring diagram for the TECNOSWITCH TE301ME. Consult a qualified electrician for specific wiring configurations for your heating/cooling system. This image shows the general terminal layout.

Contact Rating: 2 (1) A at 250 V AC.

5.4 Completing Installation

1. Once wiring is complete and secure, reattach the front cover to the thermostat base.
2. Restore power to the heating/cooling system at the main circuit breaker.

6. OPERATION

6.1 Setting the Temperature

To set the desired room temperature, rotate the temperature dial on the front of the thermostat. The scale indicates temperatures from +5 °C to +30 °C. Turn the dial clockwise to increase the temperature setting and counter-clockwise to decrease it.

6.2 Using the On/Off Switch

The thermostat features an On/Off switch. Use this switch to manually turn the heating/cooling system on or off, overriding the temperature setting if desired. When the switch is in the "Off" position, the system will not operate regardless of the temperature setting.

6.3 Indicator Light

The indicator light illuminates when the thermostat is calling for heating or cooling, indicating that the system is active.

7. MAINTENANCE

The TECNOSWITCH TE301ME thermostat requires minimal maintenance.

- **Cleaning:** Wipe the exterior of the thermostat with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Dusting:** Periodically dust the thermostat to ensure proper air circulation around the temperature sensor.
- **No Internal Servicing:** Do not attempt to open the thermostat for internal cleaning or repairs. Refer to qualified personnel for any issues beyond basic operation.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Thermostat not turning system On/Off.	No power to the system. On/Off switch in "Off" position. Incorrect wiring.	Check main circuit breaker. Ensure On/Off switch is in "On" position. Verify wiring connections (consult electrician).
Room temperature does not match setting.	Thermostat location affected by drafts or heat sources. System differential.	Relocate thermostat if possible. Note that the thermostat has a differential of < 1 °K, meaning it will activate/deactivate within a small range around the set temperature.
Indicator light not working.	No power. Light malfunction.	Check power supply. If thermostat functions but light does not, contact support.

If you experience issues not covered here, or if troubleshooting steps do not resolve the problem, please contact TECNOSWITCH customer support.

9. SPECIFICATIONS

Model Number	TE301ME
Brand	TECNOSWITCH
Type	Mechanical Room Thermostat with Switch
Dimensions (L x W x H)	78 x 78 x 35 mm
Weight	120 grams
Adjustment Range	+5 °C to +30 °C
Differential	< 1 °K
Contact Rating	2 (1) A at 250 V AC
Power Source	Wired Electric
Voltage	250 Volts
Backlight	Yes

10. WARRANTY AND SUPPORT

TECNOSWITCH products are manufactured to high-quality standards. For information regarding warranty terms and conditions, please refer to the warranty card included with your product or visit the official TECNOSWITCH website.

For technical support, replacement parts, or service inquiries, please contact TECNOSWITCH customer service through their official channels. Have your model number (TE301ME) and purchase date ready when contacting support.

