Eberle KLR-E 7010

Eberle KLR-E 7010 Fancoil Thermostat User Manual

Model: KLR-E 7010 | Brand: Eberle

1. Product Overview

The Eberle KLR-E 7010 is a bimetal thermostat designed for controlling fancoil units. It provides precise temperature regulation and offers control over fan speed and operating mode (heating or cooling). This manual provides essential information for the safe and efficient installation, operation, and maintenance of your thermostat.

Figure 1: Front view of the Eberle KLR-E 7010 Fancoil Thermostat. The image displays the front panel of the thermostat, which is white with the 'EBERLE' brand name in the top left. On the right side, there is a large rotary dial for temperature setting, marked in degrees Celsius from 5 to 30. An arrow indicates the current setpoint. On the left, there are two

horizontal slide switches. The top switch controls the fan speed, with icons representing different fan speeds. The bottom switch selects between heating (wavy lines), off (center), and cooling (snowflake) modes.

2. Important Safety Instructions

- Always disconnect power to the fancoil unit and thermostat at the main circuit breaker before performing any installation, wiring, or maintenance.
- Installation and wiring must be performed by a qualified electrician in accordance with all local and national electrical codes.
- Do not operate the thermostat with wet hands or when standing on a wet surface.
- Ensure all wiring connections are secure and properly insulated to prevent electrical hazards.
- This device is designed for indoor use only. Do not expose it to moisture, extreme temperatures, or direct sunlight.
- Keep the thermostat away from children and pets.

3. Installation Guide

3.1. Package Contents

Verify that all components are present before beginning installation:

- Eberle KLR-E 7010 Fancoil Thermostat unit
- Mounting screws (typically included with the unit)
- Instruction manual (this document)

3.2. Mounting Instructions

1. **Select Location:** Choose an interior wall location, approximately 1.5 meters (5 feet) above the floor, away from direct sunlight, drafts, heat sources, or areas with poor air circulation.
2. **Disconnect Power:** Turn off the power to the fancoil unit at the main circuit breaker. Verify that power is off using a voltage tester.
3. **Separate Base Plate:** Carefully separate the front cover of the thermostat from its base plate.
4. **Mount Base Plate:** Position the base plate on the wall and mark the drilling locations. Drill holes and insert wall anchors if necessary. Secure the base plate to the wall using the provided mounting screws.
5. **Wiring:** Refer to the wiring diagram (Section 3.3) and connect the electrical wires to the appropriate terminals on the base plate. Ensure all connections are tight and correct.
6. **Attach Front Cover:** Once wiring is complete and verified, carefully reattach the front cover to the base plate, ensuring it clicks securely into place.
7. **Restore Power:** Turn the power back on at the main circuit breaker.

3.3. Wiring Diagram

The Eberle KLR-E 7010 thermostat is designed for 230 Volts systems. Due to variations in fancoil unit configurations and local electrical codes, a generic wiring diagram cannot be provided here. It is imperative that a qualified electrician performs all wiring to ensure proper functionality and safety. The electrician should consult the specific wiring instructions provided with your fancoil unit and the terminal markings on the thermostat's base plate.

4. Operating Instructions

4.1. Controls Overview

The thermostat features three primary controls:

- **Temperature Dial:** A large rotary dial on the right side of the unit, marked in degrees Celsius, used to set the desired room temperature.
- **Fan Speed Switch:** A horizontal slide switch on the upper left, typically with three fan blade icons, allowing selection of low, medium, or high fan speed.
- **Mode Selection Switch:** A horizontal slide switch on the lower left, used to select between heating (wavy lines), cooling (snowflake), or off (center) modes.

4.2. Setting Temperature

To set the desired room temperature, rotate the large dial clockwise or counter-clockwise until the indicator arrow points to your preferred temperature in degrees Celsius. The thermostat will then work to maintain this temperature.

4.3. Fan Speed Control

Use the upper left slide switch to adjust the fancoil's fan speed:

- **Low:** For quiet operation and minimal air circulation.
- **Medium:** A balanced setting for general comfort.
- **High:** For rapid temperature change or maximum air circulation.

4.4. Mode Selection (Heating/Cooling)

Use the lower left slide switch to select the operating mode:

- **Heating (wavy lines):** The thermostat will activate the heating function when the room temperature falls below the setpoint.
- **Off (center position):** The fancoil unit will remain off, regardless of temperature.
- **Cooling (snowflake):** The thermostat will activate the cooling function when the room temperature rises above the setpoint.

5. Maintenance

The Eberle KLR-E 7010 thermostat requires minimal maintenance.

- **Cleaning:** Periodically wipe the exterior of the thermostat with a soft, dry cloth to remove dust. Do not use abrasive cleaners, solvents, or spray directly onto the unit.
- **No User-Serviceable Parts:** The thermostat contains no user-serviceable parts. Do not attempt to open or repair the unit yourself. Refer all servicing to qualified personnel.

6. Troubleshooting

If you experience issues with your Eberle KLR-E 7010 thermostat, consult the table below for common problems and potential solutions.

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Thermostat not responding / No power	No power at the circuit breaker; Loose wiring connection.	Check the circuit breaker and ensure it is in the 'ON' position. Verify all wiring connections are secure (consult a qualified electrician).
Fancoil not heating/cooling	Incorrect mode selected; Temperature setpoint too high/low; Fancoil unit malfunction.	Ensure the mode switch is set to 'Heating' or 'Cooling' as desired. Adjust the temperature setpoint appropriately. Check the fancoil unit for operational issues.
Fan not operating	Fan speed switch set to 'Off' (if applicable); Fancoil unit fan malfunction.	Ensure the fan speed switch is set to a desired speed (Low, Medium, or High). Check the fancoil unit's fan for issues.
Inaccurate temperature reading	Thermostat located near heat/cold source or draft.	Relocate the thermostat to a more suitable position if possible, away from direct influences.

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

7. Technical Specifications

- **Brand:** Eberle
- **Model:** KLR-E 7010
- **Type:** Bimetal Fancoil Thermostat
- **Voltage:** 230 Volts
- **Dimensions (L x W x H):** 11.71 x 7.11 x 2.69 cm (approximately 4.61 x 2.80 x 1.06 inches)
- **Weight:** 120 grams (approximately 0.26 lbs)
- **Fan Control:** 3-speed fan selector
- **Mode Control:** Heating/Cooling/Off selector
- **Temperature Range:** Typically 5°C to 30°C (41°F to 86°F)
- **Batteries:** Not required, not included
- **Manufacturer Reference:** 3024146
- **Article Model Number:** 8402414979620

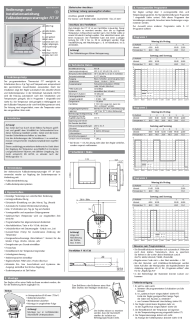
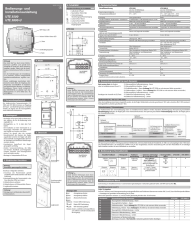
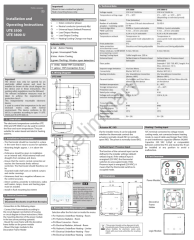
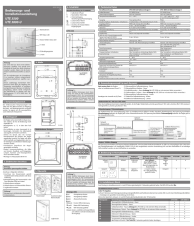
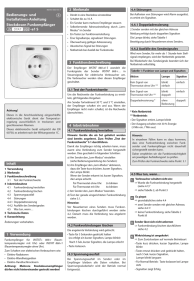
8. Warranty Information

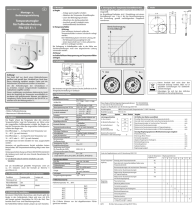
This Eberle KLR-E 7010 thermostat is covered by the manufacturer's standard warranty. The specific terms and duration of the warranty may vary by region and retailer. Please retain your proof of purchase for warranty claims. For detailed warranty information, refer to the documentation provided at the time of purchase or contact your retailer.

9. Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact the retailer from whom you purchased the product or visit the official Eberle website for support contact information. When contacting support, please have your product model (KLR-E 7010) and proof of purchase readily available.

Related Documents - KLR-E 7010

	Eberle FIT 3F Floor Temperature Controller: Installation and Operation Manual Get detailed installation and operation instructions for the Eberle FIT 3F floor temperature controller. Learn about its features, programming, technical specifications, and troubleshooting for efficient underfloor heating.
	Eberle UTE 3500 & UTE 3800-U Thermostat Installation and Operating Instructions This document provides comprehensive installation and operating instructions for the Eberle UTE 3500 and UTE 3800-U thermostats. It covers technical specifications, wiring diagrams, setup procedures, use case configurations, installer and user menus, and smart home connectivity via Matter WiFi.
	UTE 3500 & UTE 3800-U Installation and Operating Instructions Comprehensive guide for the installation and operation of the UTE 3500 and UTE 3800-U electronic temperature controllers, covering technical data, wiring, presets, installer settings, and Matter WiFi configuration.
	UTE 3500 & UTE 3800-U Installation and Operating Instructions | Eberle Comprehensive installation and operating manual for the Eberle UTE 3500 and UTE 3800-U smart thermostats, covering setup, wiring, configuration, and features like Matter WiFi connectivity.
	Eberle INSTAT 868-a1S Plug-in Radio Frequency Receiver - Installation and Operation Manual Comprehensive installation and operating instructions for the Eberle INSTAT 868-a1S plug-in radio frequency receiver. Learn how to connect, operate, and troubleshoot this device for temperature control in residential spaces.



[Eberle FRe 525 31/i Temperature Controller for Floor Heating - Installation and Operating Manual]

Comprehensive installation and operating guide for the Eberle FRe 525 31/i thermostat, designed for electric and hot water floor heating systems. Features include technical specifications, wiring diagrams, sensor fault handling, and temperature range limitation.