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Vaillant 009535

Vaillant 009535 Radio Clock Receiver with Integrated Outdoor Sensor

Instruction Manual

Introduction

This manual provides essential information for the installation, operation, and maintenance of your Vaillant 009535 Radio Clock Receiver with Integrated Outdoor Sensor. This device is designed to accurately measure outdoor temperature and synchronize time automatically for compatible Vaillant heating control units. Please read these instructions carefully before installation and use.

Product Overview

The Vaillant 009535 is a crucial component for optimizing your heating system's performance. It combines two primary functions:

- **Outdoor Temperature Sensor:** Records the ambient outdoor temperature, which is vital for weather-compensated control of your heating system. This data is transmitted to the central control unit.
- **Radio Clock Receiver (DCF):** Ensures precise timekeeping by receiving radio signals. This feature automatically adjusts for daylight saving time (summer/winter time changes), eliminating the need for manual time adjustments on your heating control unit.



Image: Front view of the Vaillant 009535 Radio Clock Receiver with Integrated Outdoor Sensor. The device is white with the Vaillant logo in teal. A connection point is visible on the underside.

Compatibility

This device is compatible with various Vaillant control units that feature a DCF interface. Applicable control units include:

- CalorMatic 392/392F (connects to the heating appliance)
- VRT 390 (connects to the heating appliance)
- CalorMatic 630/3
- Auromatic 620/3
- VRC 523s
- PRC 524s
- VRC MC2

Always verify compatibility with your specific heating system and control unit before installation.

Setup and Installation

Installation should ideally be performed by a qualified technician. Incorrect installation can affect performance or damage the unit.

1. **Mounting Location:** Select an outdoor location that is representative of the ambient temperature, away from direct sunlight, heat sources (e.g., exhaust vents), and areas prone to strong winds or stagnant air. The sensor should be mounted on a north-facing wall if possible, at a height of approximately 2-2.5 meters above ground level.
2. **Wiring:** Connect the sensor to the designated terminals on your compatible Vaillant control unit or heating appliance, as

specified in the control unit's instruction manual. Ensure all connections are secure and follow local electrical codes.

3. **Radio Signal Reception:** The radio clock receiver requires a clear signal. Avoid mounting the unit near large metal objects, electrical interference sources, or within structures that might block radio waves.
4. **Power On:** Once securely mounted and wired, power on your heating system. The control unit should automatically detect the connected sensor.

Operating Instructions

The Vaillant 009535 operates automatically once correctly installed and connected to a compatible control unit.

- **Outdoor Temperature Measurement:** The integrated sensor continuously measures the outdoor temperature and transmits this data to your Vaillant control unit. The control unit uses this information for weather-compensated heating control, adjusting the heating curve to maintain optimal indoor comfort and energy efficiency.
- **Automatic Time Synchronization:** The radio clock receiver automatically receives time signals (DCF). This ensures that the time displayed on your control unit is always accurate, including automatic adjustments for daylight saving time (summer/winter time changes). No manual time setting is required for the control unit once the sensor is operational.

Refer to your specific Vaillant control unit's manual for details on how it utilizes the outdoor temperature data and synchronized time.

Maintenance

The Vaillant 009535 is designed for low maintenance. Follow these general guidelines:

- **Cleaning:** Periodically inspect the sensor housing for dirt, dust, or debris. Clean gently with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Obstruction Check:** Ensure that the sensor is not obstructed by vegetation, snow, ice, or other objects that could interfere with accurate temperature readings or radio signal reception.
- **Connection Check:** Annually, or during routine heating system maintenance, have a qualified technician check the wiring connections for security and integrity.

Troubleshooting

If you experience issues with your Vaillant 009535, consider the following:

- **Incorrect Temperature Readings:**
  - Check for obstructions around the sensor (e.g., leaves, snow, direct sunlight).
  - Verify the mounting location is appropriate and not influenced by external heat sources.
  - Ensure wiring connections are secure.
- **Time Not Synchronizing:**
  - Check for potential radio signal interference (e.g., large metal objects, other electronic devices nearby).
  - Ensure the unit is not mounted inside a metal enclosure or in a location with poor radio reception.
  - Allow sufficient time for the unit to receive the DCF signal (can take several minutes or longer in some conditions).
- **No Function:**
  - Confirm that the heating system and control unit are powered on.
  - Inspect all wiring for damage or loose connections.
  - Verify compatibility with your control unit.

If problems persist, consult a qualified heating technician or Vaillant customer support.

Specifications

Feature	Detail
Model Number	009535
Manufacturer	Vaillant
Dimensions (L x W x H)	13 x 10 x 6 cm
Weight	99.79 grams
Integrated Features	Outdoor Temperature Sensor, Radio Clock Receiver (DCF)
Batteries Required	No
Batteries Included	No

Warranty and Support

For specific warranty information, please refer to the documentation provided with your purchase or contact Vaillant customer service. In case of technical issues or questions not covered in this manual, please contact your installer or an authorized Vaillant service partner for assistance.

Vaillant is committed to providing reliable products and support.

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