Hormann 437517

Hormann HET 24 - 868 MHz Receiver Instruction Manual

1. Introduction

This manual provides essential information for the installation, operation, and maintenance of your Hormann HET 24 - 868 MHz Receiver. This device is designed to receive radio signals at 868.3 MHz and activate connected devices via its two potential-free relays, typically for gate or garage door automation systems. Please read these instructions carefully before proceeding with installation or operation.



Image 1: Front view of the Hormann HET 24 - 868 MHz Receiver. The receiver features a compact housing with connection terminals visible.

2. Safety Instructions

To ensure safe operation and prevent damage, observe the following safety guidelines:

- **Electrical Hazard:** Installation and wiring must be performed by a qualified electrician in accordance with local electrical codes and regulations.
- **Voltage:** Ensure the power supply (12-24 Vac/Vdc) is disconnected before performing any wiring or maintenance.
- **Intended Use:** Use the receiver only for its intended purpose as described in this manual. Any modifications or unauthorized use may result in damage or injury.
- **Environmental Conditions:** The device has an IP44 protection rating, meaning it is protected against solid objects larger than 1mm and splashing water from any direction. Avoid exposing it to direct water jets or submersion.

3. Package Contents

Verify that all components are present and undamaged:

- Hormann HET 24 - 868 MHz Receiver (Model 437517)
- Instruction Manual (this document)

Note: Additional mounting hardware or wiring may be required and is not typically included.

4. Setup and Installation

Follow these steps for proper installation:

1. **Power Disconnection:** Ensure the main power supply to the installation area is switched off before beginning any wiring.
2. **Mounting:** Select a suitable location for the receiver, considering its IP44 rating. Mount the receiver securely using appropriate fasteners. Ensure the location allows for optimal radio signal reception and is protected from excessive moisture or direct sunlight.
3. **Power Connection:** Connect the power supply wires to the receiver's designated power terminals. The receiver operates on 12 - 24 Vac or Vdc. Observe correct polarity if using DC power.
4. **Relay Connections:** The receiver features two potential-free relays. Connect the control wires of the device(s) you wish to operate (e.g., gate opener, garage door motor) to the respective relay terminals. Refer to the wiring diagram of your specific automation system for correct connections.
5. **Antenna:** Ensure the antenna (if external) is properly connected and positioned for optimal signal reception.
6. **Power Restoration:** Once all connections are secure and verified, restore power to the system.

5. Operating Instructions

The Hormann HET 24 receiver functions by receiving radio signals from compatible 868.3 MHz transmitters. Upon receiving a valid signal, it activates one of its two relays for an impulse duration of approximately 0.5 seconds.

- **Pairing Transmitters:** The process for pairing a new transmitter (remote control) with the receiver is typically initiated on the receiver itself or the connected control unit. Refer to the specific instructions provided with your Hormann transmitter or the main control unit for detailed pairing procedures.
- **Functionality:** When a paired transmitter button is pressed, the receiver will activate the corresponding relay for a brief impulse, triggering the connected device (e.g., opening/closing a gate or garage door).

6. Maintenance

The Hormann HET 24 receiver requires minimal maintenance:

- **Cleaning:** Periodically clean the exterior of the receiver with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Inspections:** Regularly check all wiring connections for tightness and signs of wear or damage. Ensure the receiver's housing is intact and free from cracks.
- **Environmental Protection:** Ensure the receiver remains protected from environmental conditions beyond its IP44 rating.

7. Troubleshooting

If you encounter issues with your receiver, consider the following:

- **No Power:** Check the power supply to the receiver (12-24 Vac/Vdc). Ensure all power connections are secure.
- **No Signal Reception:**
  - Verify that the transmitter is functioning correctly (e.g., battery is charged).
  - Ensure the transmitter is within range and not obstructed by large metallic objects.
  - Check the receiver's antenna connection and position.
  - Confirm the transmitter is correctly paired with the receiver.
- **Relays Not Activating:**
  - Ensure the connected device is receiving power and is operational.
  - Check the wiring between the receiver's relays and the connected device.
  - Verify that the switching capacity of the relays (30Vdc / 2.5A, 250Vac / 500W) is not exceeded by the connected load.

If problems persist, contact qualified technical support.

8. Technical Specifications

Parameter	Value
Brand	Hormann
Model Number	437517
Frequency	868.3 MHz
Function	Impulse (0.5 s)
Relays	2 potential-free relays
Operating Voltage	12 - 24 Vac / Vdc
Switching Capacity (DC)	30Vdc / 2.5A (resistive load)
Switching Capacity (AC)	250Vac / 500W (resistive load)
Protection Class	IP44
Number of Channels	2
Dimensions (L x W x H)	110 × 45 × 40 mm
Country of Origin	Germany

9. Warranty and Support

For warranty information, please refer to the terms and conditions provided at the time of purchase or contact your retailer. Information regarding the availability of spare parts for this product is currently unavailable.

For technical support or further assistance, please contact Hormann customer service or your authorized dealer.

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