

Hormann HET/HES24 868-BS

Hormann HET/HES24 868-BS Receiver Instruction Manual

Model: HET/HES24 868-BS

Brand: Hormann

1. INTRODUCTION

The Hormann HET/HES24 868-BS Receiver is a radio receiver designed to extend the compatibility of your gate or garage door automation system. It allows the use of Hormann 868 MHz BiSecur handheld transmitters with various gate operators, including those from other manufacturers. This receiver features two dry contact relays for versatile control applications, such as operating lights or third-party motors.

2. SAFETY INFORMATION

- Always disconnect power before installation or maintenance to prevent electric shock.
- Installation should be performed by a qualified professional in accordance with local electrical codes and regulations.
- Ensure proper wiring to prevent damage to the unit or connected devices.
- Do not expose the receiver to excessive moisture or extreme temperatures beyond its specified operating range.

3. PRODUCT COMPONENTS

The Hormann HET/HES24 868-BS Receiver consists of the main circuit board housed within a protective casing.



Figure 3.1: Hormann HET/HES24 868-BS Receiver in its protective casing.

The receiver is designed for durability and ease of installation, featuring a compact form factor.

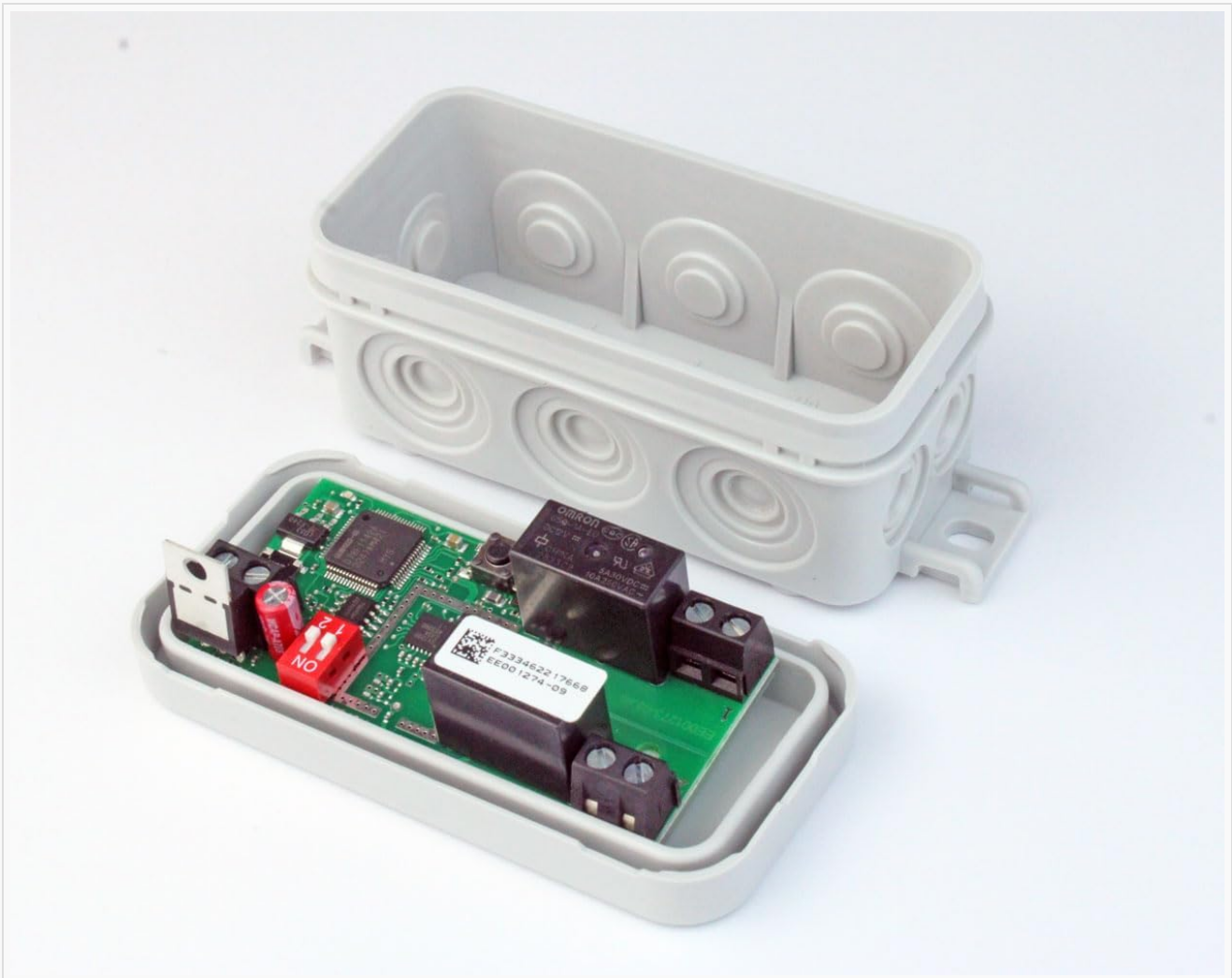


Figure 3.2: Internal view of the HET/HES24 868-BS Receiver circuit board and relay contacts.

The internal components include the radio receiver module and two independent dry contact relays.

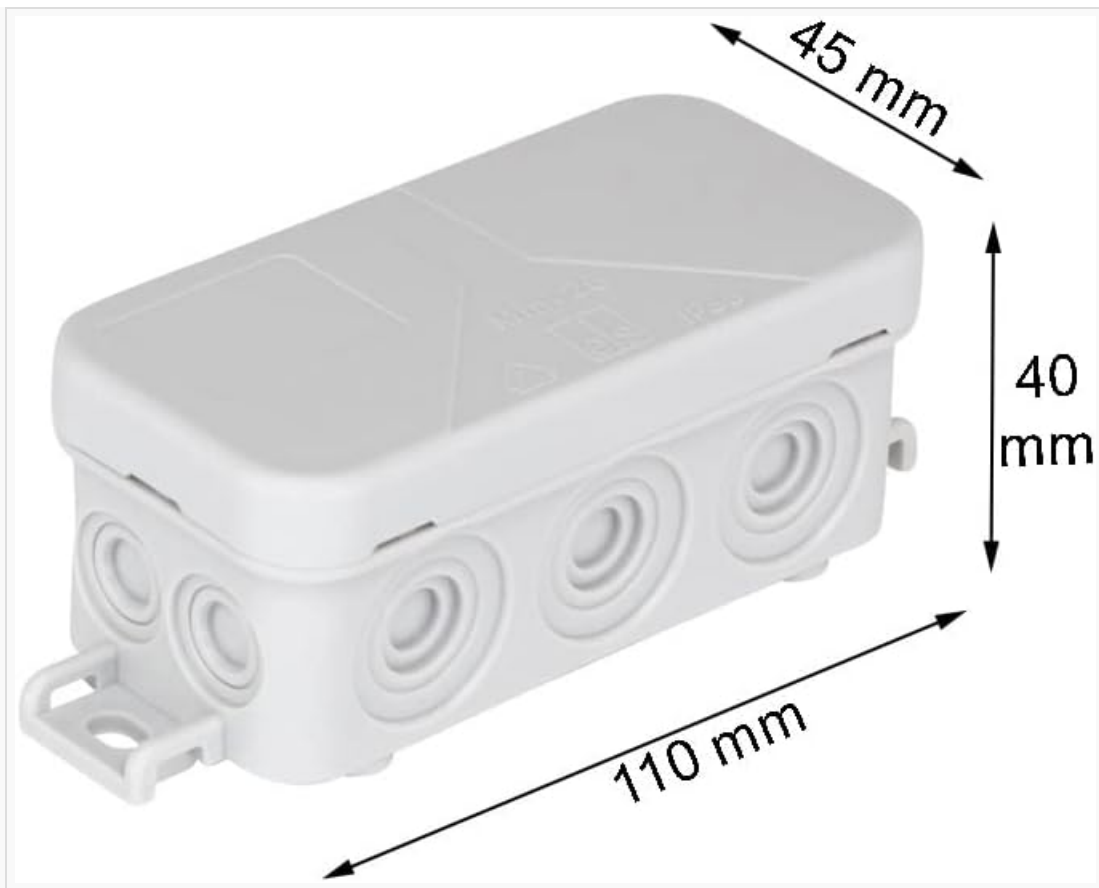


Figure 3.3: Dimensions of the HET/HES24 868-BS Receiver: 110 mm (length) x 45 mm (width) x 40 mm (height).

The compact dimensions allow for flexible mounting options in various installations.

4. TECHNICAL SPECIFICATIONS

Feature	Specification
Protection Class	IP44
Temperature Range	-20 °C to +60 °C
Supply Voltage	12-24 V DC, 12 V AC
Switching Capacity	30 V DC/2.5 A (resistive load); 250 V AC/500 W (resistive load)
Frequency	868 MHz BiSecur
Dimensions (L x W x H)	110 x 45 x 40 mm
Material	Plastic
Number of Circuits	2

5. SETUP AND INSTALLATION

5.1 Mounting

The receiver is housed in an IP44 rated enclosure, making it suitable for protected outdoor installation. Mount the unit securely using appropriate fasteners in a location that allows for optimal radio signal reception and easy access for wiring.

5.2 Wiring

Before wiring, ensure all power sources are disconnected. Connect the power supply (12-24V DC or 12V AC) to the designated terminals on the receiver. For DC connections, pay close attention to polarity; the positive (+) terminal is typically on the left when viewing the power input connector. Connect the dry contact relay outputs to your gate operator, lighting system, or other devices. The receiver features two independent relays, allowing for control of two separate functions.

5.3 Programming Transmitters

The receiver can learn up to 100 transmitter codes. Follow these general steps for programming:

- **To program Relay 1:** Press the programming button on the receiver once. The LED indicator on the receiver will flash once. Within a few seconds, press and hold the desired button on your Hormann 868 MHz BiSecur transmitter until the receiver's LED flashes rapidly and then turns off. This indicates successful programming.
- **To program Relay 2:** Press the programming button on the receiver twice in quick succession. The LED indicator on the receiver will flash twice. Within a few seconds, press and hold the desired button on your Hormann 868 MHz BiSecur transmitter until the receiver's LED flashes rapidly and then turns off.

For advanced programming options, such as setting relay modes (pulse or maintained contact) via DIP switches, refer to the detailed programming instructions included with your product. It is crucial to consult the official manual for specific DIP switch configurations to ensure correct functionality.

6. OPERATING INSTRUCTIONS

Once programmed, the receiver operates by receiving signals from compatible Hormann 868 MHz BiSecur transmitters. The functionality of each relay depends on its configured mode:

- **Pulse Mode (Default):** In this mode, when the corresponding transmitter button is pressed, the relay activates for a brief period (approximately 0.5 seconds) and then deactivates. This momentary contact is ideal for triggering gate operators or other devices that require a short pulse.
- **Maintained Contact Mode:** This mode can be selected via internal DIP switches. In maintained contact mode, the relay remains activated as long as the transmitter button is held, or it may toggle its state (on/off) with each press, depending on the specific DIP switch configuration. This mode is suitable for applications requiring continuous contact or a toggle switch function.

Always ensure the transmitter is within the effective range of the receiver for reliable operation.

7. MAINTENANCE

The Hormann HET/HES24 868-BS Receiver requires minimal maintenance. To ensure optimal performance and longevity:

- Regularly inspect all wiring connections for any signs of damage or corrosion.
- Keep the unit clean and free from dust, dirt, and debris. Use a soft, dry cloth for cleaning.
- Ensure the protective casing remains securely closed to maintain its IP44 rating, protecting against dust and splashing water.
- Avoid exposing the unit to harsh chemicals or solvents.

8. TROUBLESHOOTING

If you experience issues with your Hormann HET/HES24 868-BS Receiver, consider the following troubleshooting steps:

- **No response from receiver:**
 - Check the power supply connections and ensure the correct voltage (12-24V DC or 12V AC) is being supplied.
 - Verify that the transmitter is within range and has working batteries.
 - Attempt to re-program the transmitter to the receiver.
- **Relay not activating:**
 - Confirm that the wiring from the receiver's relay outputs to the connected device is correct and secure.
 - Check the internal DIP switch settings to ensure the relay is configured for the desired operating mode (pulse or maintained contact).
- **Limited range:**
 - Ensure the receiver's antenna is not obstructed or bent.
 - Avoid mounting the receiver near large metal objects or other sources of radio interference.
- **LED indicator behavior:** Refer to the official product manual for specific LED flash codes and their meanings, which can indicate power status, programming mode, or error conditions.

If problems persist after following these steps, contact Hormann customer support or a qualified technician.

9. WARRANTY AND SUPPORT

For detailed warranty information, terms, and conditions, please refer to the documentation provided with your Hormann HET/HES24 868-BS Receiver at the time of purchase. For technical support, spare parts, or service inquiries, please contact Hormann customer service directly through their official website or the contact information provided in your product packaging.

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question