

## Dieffematic TR14 (41903/014)

# Dieffematic TR14 433 MHz Transmitter

Model: 41903/014 - Instruction Manual

## 1. INTRODUCTION

This manual provides instructions for the proper installation, operation, and maintenance of the Dieffematic TR14 433 MHz Transmitter, model 41903/014. This device is designed for use in automatic control systems, typically for gates, garage doors, or similar automation, operating on a 433 MHz frequency. Please read this manual carefully before using the product to ensure safe and efficient operation.

## 2. SAFETY INFORMATION

- **Keep out of reach of children:** This product contains small parts and batteries that could be a choking hazard.
- **Battery Safety:**
  - Do not ingest batteries.
  - Use only the specified battery type.
  - Do not mix old and new batteries, or different types of batteries.
  - Dispose of used batteries according to local regulations.
- **Environmental Conditions:** Do not expose the transmitter to extreme temperatures, direct sunlight, moisture, or corrosive environments.
- **Modifications:** Do not attempt to modify or repair the device yourself. Unauthorized modifications may void the warranty and pose safety risks.
- **Intended Use:** Use this transmitter only for its intended purpose as part of a compatible 433 MHz automation system.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Dieffematic TR14 433 MHz Transmitter (Model 41903/014)
- Battery (pre-installed or separate)
- Instruction Manual (this document)

## 4. SETUP

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### 4.1. Battery Installation/Replacement

The TR14 transmitter typically uses a 12V A23 type battery. If the battery is not pre-installed or needs replacement:

1. Locate the battery compartment cover on the back or side of the transmitter.
2. Carefully open the compartment using a small screwdriver or by sliding the cover as indicated.
3. Insert the new 12V A23 battery, ensuring the correct polarity (+ and - terminals match the markings inside the compartment).
4. Close the battery compartment cover securely.

### 4.2. Programming/Pairing the Transmitter

The TR14 transmitter must be programmed or paired with your existing 433 MHz receiver unit (e.g., gate opener, garage door opener). The exact procedure varies depending on the receiver model. Refer to the instruction manual of your receiver unit for specific programming steps. A general procedure often involves:

1. **Access Receiver:** Locate the programming button or dip switches on your receiver unit. This may require opening the receiver's casing.
2. **Enter Programming Mode:** Press and hold the programming button on the receiver (or set dip switches according to its manual) until an indicator light (LED) on the receiver changes state (e.g., flashes, turns solid).
3. **Transmit Signal:** While the receiver is in programming mode, press the desired button on your TR14 transmitter. The receiver's indicator light should confirm successful pairing (e.g., flash rapidly, turn off).
4. **Exit Programming Mode:** Wait for the receiver to automatically exit programming mode, or press its programming button again if required.
5. **Test:** Test the transmitter to ensure it operates the automation system correctly.

**Note:** If you are replacing an old transmitter, you may need to clear the receiver's memory before programming the new one. Consult your receiver's manual.

## 5. OPERATING INSTRUCTIONS

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Once the TR14 transmitter is successfully programmed with your receiver, operation is straightforward:

- **Activation:** Press and hold the desired button on the transmitter for approximately 1-2 seconds to send the signal to your automation system.
- **Range:** Ensure you are within the operational range of your receiver. Obstacles such as walls, vehicles, or adverse weather conditions can reduce the effective range.
- **Multiple Buttons:** If your TR14 transmitter has multiple buttons, each button can typically be programmed to control a different function or a different receiver, depending on your system's capabilities.

## 6. MAINTENANCE

- **Cleaning:** Clean the transmitter with a soft, dry cloth. Do not use abrasive cleaners, solvents, or immerse the device in water.
- **Battery Life:** The battery life depends on usage. If the operational range decreases significantly or the indicator light (if present) on the transmitter becomes dim or fails to light, replace the battery as described in Section 4.1.
- **Storage:** When not in use for extended periods, store the transmitter in a cool, dry place, away from direct sunlight and extreme temperatures. Consider removing the battery if storing for very long durations to prevent leakage.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Transmitter does not work.	Dead or incorrectly installed battery.	Replace battery, ensuring correct polarity (see Section 4.1).
	Transmitter not programmed to receiver.	Follow programming instructions for your receiver (see Section 4.2).
	Receiver unit is not powered or faulty.	Check power supply to the receiver. Consult receiver manual or a qualified technician.
Reduced operating range.	Low battery.	Replace battery (see Section 4.1).
	Interference from other devices.	Move closer to the receiver. Identify and remove sources of interference if possible.
	Physical obstructions.	Ensure a clear line of sight or minimize obstructions between transmitter and receiver.

## 8. SPECIFICATIONS

- **Model:** TR14 (41903/014)
- **Brand:** Dieffematic (Aprimatic compatible)
- **Frequency:** 433 MHz
- **Power Source:** 1 x 12V A23 battery (or equivalent)
- **Operating Temperature:** -10°C to +50°C (approximate, typical for such devices)

## 9. WARRANTY AND SUPPORT

This Dieffematic product is covered by a manufacturer's warranty. For details regarding warranty terms, duration, and conditions, please refer to the warranty card included with your purchase or contact your retailer. For technical support, troubleshooting assistance beyond this manual, or to inquire about replacement parts, please contact Dieffematic customer service or your authorized dealer. Please retain your proof of purchase for warranty claims.

