

KIDLEDUCT TR03

KIDLEDUCT Wireless Remote Sensor Instruction Manual

Model: TR03 (Compatible with WS002/WS003)

1. INTRODUCTION

Thank you for choosing the KIDLEDUCT Wireless Remote Sensor. This sensor is designed to accurately detect outdoor temperature and humidity, providing real-time weather conditions to your compatible main unit (Models WS002/WS003). This manual provides essential information for the proper setup, operation, and maintenance of your sensor.

2. SAFETY INFORMATION

- Read all instructions carefully before use.
- Do not expose the sensor to extreme temperatures beyond its operating range.
- Do not immerse the sensor in water. While it is weather-resistant (IPX4), it is not fully waterproof.
- Use only the specified battery type (2 x AA batteries).
- Dispose of old batteries responsibly according to local regulations.
- Keep out of reach of children.

3. PACKAGE CONTENTS

- 1 x KIDLEDUCT Wireless Remote Sensor (Model TR03)
- 1 x Instruction Manual

Note: 2 x AA batteries are not included and must be purchased separately.

4. PRODUCT OVERVIEW

The KIDLEDUCT Wireless Remote Sensor is a compact device designed for monitoring temperature and humidity. It features a robust design suitable for outdoor placement and transmits data wirelessly to a compatible main unit.

Wireless Remote Sensor



Image 1: Front view of the Wireless Remote Sensor highlighting key features such as wall mount/tabletop capability, IPX4 waterproof rating, and a 5-second data update frequency.

Sensor Components:



Image 2: Detailed diagram of the Wireless Remote Sensor, illustrating the mounting hole, RF signal LED, TX button for manual signal transmission, remote channel switch (1/2/3), and the battery compartment.

- **Mounting Hole:** For wall mounting the sensor.
- **RF Signal LED:** Flashes once every 30 seconds to indicate signal transmission.
- **TX Button:** Transmits RF signal manually.
- **Remote Channel Switch (1/2/3):** Allows selection of one of three available channels.
- **Battery Compartment:** Holds 2 x AA batteries.

5. SETUP

5.1 Battery Installation

1. Open the battery compartment cover on the back of the sensor (refer to Image 2).
2. Insert 2 x AA batteries, ensuring correct polarity (+ and -).
3. Close the battery compartment cover securely.

5.2 Channel Selection

The sensor supports 3 channels. If you are using multiple sensors with one main unit, assign a different

channel to each sensor.

1. Locate the Remote Channel Switch inside the battery compartment (refer to Image 2).
2. Slide the switch to select Channel 1, 2, or 3.
3. Ensure the selected channel matches the channel setting on your compatible main unit (WS002/WS003).

5.3 Pairing with Main Unit

After installing batteries and selecting a channel, the sensor will automatically attempt to pair with your main unit. If pairing does not occur automatically, or if you need to re-pair:

1. Ensure your main unit (WS002/WS003) is powered on and within range.
2. Press the 'TX' button on the sensor (refer to Image 2) to manually transmit a signal.
3. Follow the pairing instructions for your specific main unit model (WS002/WS003) to establish a connection.

5.4 Placement

For optimal performance, consider the following:

- Place the sensor in a location that provides accurate readings, away from direct sunlight or heat sources.
- Ensure the sensor is within the transmission range of up to 330ft (100m) in open air from the main unit. Walls and obstacles may reduce this range.
- Utilize the mounting hole for wall installation or place it on a flat surface.

6. OPERATING

Once successfully paired, the sensor will continuously transmit temperature and humidity data to your main unit every 5 seconds. The main unit will display these readings.

6.1 Temperature Display

The main unit will display temperatures in either Celsius (°C) or Fahrenheit (°F). Refer to your main unit's manual for instructions on how to switch between these units.

7. MAINTENANCE

- **Cleaning:** Wipe the sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on your main unit. Ensure to use 2 new AA batteries.
- **Storage:** If storing the sensor for an extended period, remove the batteries to prevent leakage.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No reading on main unit	Batteries are dead or incorrectly inserted. Sensor is out of range. Channel mismatch.	Check/replace batteries. Move sensor closer to main unit. Ensure sensor and main unit are on the same channel. Press TX button on sensor.
Inaccurate readings	Sensor exposed to direct sunlight, heat source, or moisture.	Relocate sensor to a shaded, well-ventilated area. Ensure it is protected from heavy rain.

Problem	Possible Cause	Solution
Weak signal	Obstacles (walls, electronics) between sensor and main unit. Distance too great.	Reduce obstacles or distance between units. Try different placement locations.

9. SPECIFICATIONS

- **Model:** TR03
- **Compatibility:** WS002/WS003 Main Units
- **Power Source:** 2 x AA Batteries (not included)
- **Transmission Range:** Up to 330ft (100m) in open air
- **Temperature Accuracy:** ± 1 °C
- **Connectivity Technology:** RF (Radio Frequency)
- **Special Feature:** Weather Resistant (IPX4)
- **Dimensions:** Approximately 5.55 x 2.01 x 1.54 inches
- **Weight:** Approximately 2.08 ounces (without batteries)

10. WARRANTY AND SUPPORT

KIDLEDUCT products are manufactured to high-quality standards. For warranty information or technical support, please refer to the documentation provided with your main unit (WS002/WS003) or contact KIDLEDUCT customer service through your retailer's platform.