SMARTRO SENSOR92

SMARTRO Wireless Remote Sensor User Manual

Model: SENSOR92

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your SMARTRO Wireless Remote Sensor (Model SENSOR92). This sensor is designed to work with compatible SMARTRO indoor/outdoor thermometers, specifically models SC91 and SC62, to provide accurate temperature and humidity readings.
Important Note: This sensor is not compatible with SMARTRO models SC92, SC93, or SC31B.

PRODUCT OVERVIEW

Figure 1: Front view of the SMARTRO Wireless Remote Sensor, showing the digital display for temperature and humidity, channel indicator, and signal icon.

Product Details

Wall Mounting Hole

°C/°F Selection button

TX Button

1 to 3 Channel Switch

Powered by 2*AA Battery
（Not included)
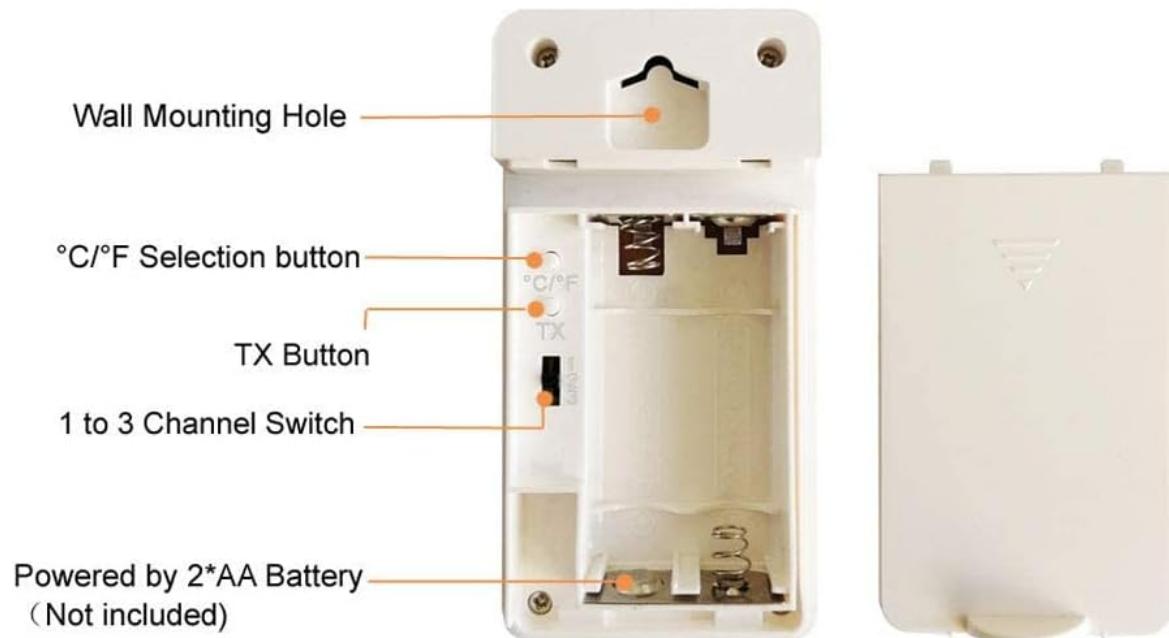
Figure 2: Rear view of the sensor with the battery cover removed, illustrating the battery compartment, °C/°F selection button, TX button, and 1 to 3 channel switch. Also visible is the wall-mounting hole.

The SMARTRO Wireless Remote Sensor (SENSOR92) is a compact, battery-powered device designed to transmit outdoor or indoor environmental data to a compatible main unit. It features a digital display showing current temperature (in °C or °F) and humidity (%RH). The sensor is equipped with a wall-mount hole and a table stand for versatile placement.

SETUP AND INSTALLATION

1. **Battery Installation:**

   - Open the battery compartment cover on the back of the sensor (refer to Figure 2).
   - Insert two (2) AA batteries, ensuring correct polarity (+ and -). Batteries are not included.
   - Close the battery compartment cover securely.

2. **Channel Selection:**

   - Locate the 1 to 3 Channel Switch inside the battery compartment (refer to Figure 2).
   - Select a channel (1, 2, or 3) for the sensor. If you are using multiple sensors, ensure each sensor is set to a different channel.

3. **Pairing with Main Unit:**

   - Place the sensor within close proximity to your SMARTRO main unit (e.g., SC91 or SC62).
   - On the sensor, press the "TX" button (Transmit button) located inside the battery compartment (refer to Figure 2). This will send a signal to the main unit.
   - Follow the pairing instructions for your specific SMARTRO main unit to establish a connection. The main unit should display the sensor's readings.

4. **Placement:**

- The sensor can be placed on a flat surface using its integrated stand or mounted on a wall using the wall-mount hole.
- For outdoor use, choose a location that is protected from direct sunlight and heavy rain to ensure accuracy and longevity. The transmission range is up to 200ft/60m in an open area.

Figure 3: Example of outdoor sensor placement, demonstrating its wireless transmission capability to the main unit.

OPERATING INSTRUCTIONS

- **Temperature Unit Selection (°C/°F):**

  - To switch between Celsius (°C) and Fahrenheit (°F), open the battery compartment cover.
  - Press the "°C/°F" selection button located inside the compartment (refer to Figure 2). The display will update accordingly.

- **Reading Display:**

  - The sensor's digital display shows the current temperature and humidity readings.
  - These readings are also transmitted wirelessly to your paired SMARTRO main unit.

Maintenance

- **Battery Replacement:**

  - When the battery indicator on the sensor or main unit shows low power, replace both AA batteries promptly.
  - Ensure proper polarity during installation.

- **Cleaning:**

  - Wipe the sensor's exterior with a soft, damp cloth. Do not use abrasive cleaners or immerse the device in water.

- **Environmental Protection:**

  - Keep the sensor away from direct sunlight and heavy rain to prevent damage and ensure accurate readings.

Troubleshooting

Problem	Possible Cause	Solution
No readings on main unit / Sensor display blank.	- Low or dead batteries. - Incorrect battery polarity. - Sensor not paired with main unit. - Sensor out of range. - Interference.	- Replace batteries with new AA batteries. - Check battery orientation. - Press the "TX" button on the sensor and re-pair with the main unit. - Move sensor closer to the main unit. - Relocate sensor away from electronic devices that may cause interference.
Inaccurate temperature/humidity readings.	- Sensor exposed to direct sunlight or moisture. - Sensor placed near heat sources or vents. - Sensor not calibrated (not user-adjustable).	- Relocate sensor to a shaded, well-ventilated area, protected from rain. - Move sensor away from heat/cold sources. - If readings persist, contact customer support.
Main unit not receiving signal from sensor.	- Sensor channel not matching main unit. - Obstructions between sensor and main unit.	- Verify the channel switch setting on the sensor matches the selected channel on the main unit. - Minimize walls, large metal objects, or other obstructions between the sensor and main unit.

Specifications

- **Model:** SENSOR92
- **Compatibility:** SMARTRO SC91, SC62 (Not compatible with SC92, SC93, SC31B)
- **Power Source:** 2 x AA Batteries (not included)
- **Transmission Range:** Up to 200ft / 60m (open area)

- **Channels:** 3 selectable channels
- **Temperature Display:** °C / °F selectable
- **Temperature Tolerance:** +/- 5°F
- **Humidity Tolerance:** +/- 5% RH
- **Material:** Plastic
- **Dimensions (approx.):** 2.3 Inches (Length)
- **Weight (approx.):** 2.46 ounces
- **Connectivity Technology:** RF
- **Display Type:** Digital
- **Product Care:** Keep away from direct sunlight and rain.

WARRANTY AND SUPPORT

SMARTRO products are designed for reliability and performance. For warranty information or technical support, please contact SMARTRO customer service. Details can often be found on the official SMARTRO website or through your purchase platform.
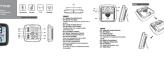
Manufacturer: SMARTRO

Email: support@smartro.co

Please have your model number (SENSOR92) and purchase details ready when contacting support.

Related Documents

	[SMARTRO SC31B Projection Alarm Clock Instruction Manual](#) Comprehensive instruction manual for the SMARTRO SC31B Projection Alarm Clock, covering setup, features like time and temperature projection, alarms, weather forecast, and troubleshooting.
	[SMARTRO SC91 Time & Temperature Projection Alarm Clock Instruction Manual](#) This instruction manual provides detailed information on the SMARTRO SC91 Time & Temperature Projection Alarm Clock, covering setup, functions, features, and troubleshooting. Learn how to use the alarm, projection, temperature and humidity readings, and weather forecast.
	[SMARTRO SC42 Temperature and Humidity Monitor User Manual](#) User manual for the SMARTRO SC42 Professional Digital Hygrometer. Learn how to set up, operate, and calibrate this indoor temperature and humidity monitor for accurate readings.

Instruction Manual
WIRELESS WEATHER STATION
Model: SC93
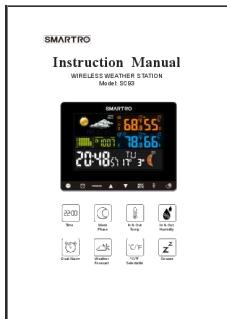
[SMARTRO SC93 Wireless Weather Station Instruction Manual](#)

Comprehensive instruction manual for the SMARTRO SC93 Wireless Weather Station, covering setup, features, troubleshooting, and specifications for indoor/outdoor temperature, humidity, air pressure, and weather forecasting.