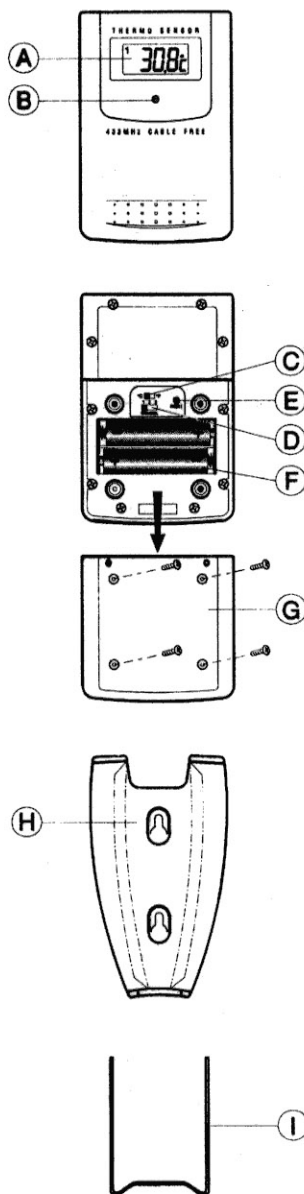


MULTI-CHANNEL CABLE FREE REMOTE THERMO SENSOR

MODEL: THR-128



ENGLISH

USER'S MANUAL

INTRODUCTION

Congratulations on your purchasing the THR-128 Remote Thermo Sensor. The Remote Thermo Sensor is for used with the 433MHz Multi-Channel In-Out Thermometer (Model: EMR812 EMR899, RMR112 or BAR888) to monitor temperature changes of remote or outdoor sites. Operation is easy and no wire installation is required.

MAIN FEATURES:

- (A) **LCD**
Displays the current temperature monitored by the remote unit and indicates the selected channel
- (B) **LED INDICATOR**
Flashes when the remote unit transmits a reading
- (C) **°C/F SLIDE SWITCH**
Selects between Centigrade (°C) and Fahrenheit (°F)
- (D) **CHANNEL SLIDE SWITCH**
Designates the remote unit Channel 1, Channel 2 or Channel 3
- (E) **RESET BUTTON**
Returns all settings to default values
- (F) **BATTERY COMPARTMENT**
Accommodates two AAA-size batteries
- (G) **BATTERY DOOR**
- (H) **WALL-MOUNT HOLDER**
Supports the remote unit in wall-mounting
- (I) **REMOVABLE TABLE STAND**
For standing the remote unit on a flat surface

BEFORE YOU BEGIN

For best operation,

1. Assign different channels to different remote units.
2. Insert batteries for remote units before doing so for the main unit. (Main unit of model EMR812 EMR-899, RMR-112 or BAR-888)
3. Place the main unit as close as possible next to the remote unit, reset the main unit after installing batteries. This will ensure easier synchronization between the transmission and reception of signals.
4. Position the remote unit and main unit within effective transmission range, which, in usual circumstances, is 20 to 30 meters.
Note that the effective range is vastly affected by the building materials and where the main and remote units are positioned. Try various set-ups for best result.
Though the sensor is weather proof and meant to be used outdoors, it should be placed away from direct sunlight, rain or snow.

BATTERY AND CHANNEL INSTALLATION

The remote unit uses two AAA-size batteries. To install them,

1. Remove the screws on the battery compartment.
2. Select the channel number on the CHANNEL slide switch.
3. Select the temperature display unit on the °C/F slide switch.
4. Insert the batteries strictly according to the polarities shown inside.
5. Replace the battery compartment door and secure its screws.

CHANGE CHANNEL

Once a channel is assigned to a unit, you can only change it by removing the batteries and repeating the above procedure.

LOW-BATTERY WARNING

Replace the batteries of the sensor when the low-battery indicator of the channel represented by the sensor shows up on the main unit.

OPERATION

Once batteries are in place, the sensor will start transmitting samplings at 30-second intervals.

The current temperature will be shown on the LCD in the selected unit (°C/°F) at the designated channel. The unit (°C/°F) shown on the main unit is determined by the setting on the main unit.

THE RESET BUTTON

See the user's manual of your main unit for further information.

This button is only used when the unit is operating in an unfavorable way or malfunctioning. Use a blunt stylus to hold down the button. All settings will return to their default values.

HOW TO USE THE TABLE STAND OR WALL MOUNTING

This sensor comes with a wall-mount holder and a removable stand. Use either to set up the unit.

PRECAUTIONS

This product is engineered to give you years of satisfactory service if you handle it carefully. Here are a few precautions:

1. Do not immerse the unit in water.
2. Do not clean the unit with abrasive or corrosive materials. They may scratch the plastic parts and corrode the electronic circuit.

3. Do not subject the unit to excessive force, shock, dust, temperature or humidity, which may result in malfunction, shorter electronic life span, damaged battery and distorted parts.
4. Do not tamper with the unit's internal components. Doing so will invalidate the warranty on the unit and may cause unnecessary damage. The unit contains no user-serviceable parts.
5. Only use fresh batteries as specified in the user's manual. Do not mix new and old batteries as the old ones may leak.
6. Always read the user's manual thoroughly before operating the unit.

SPECIFICATIONS

Temperature Measurement

Displayed range	: -50.0°C to +70.0°C (-58.0°F to 158.0°F)
Proposed operating range	: -20.0°C to +60.0°C (4.0°F to 140.0°F)
Temperature resolution	: 0.1°C (0.2°F)
RF Transmission Frequency	: 433 MHz
No. of Remote unit	: Maximum of 3
RF Transmission Range	: Maximum 30 meters
Temperature sensing cycle	: around 30 seconds

Power : use 2 pcs UM-4 or "AAA" 1.5V alkaline battery

Weight : 100 g

Dimension : 92 x 60 x 21 mm

NOTE ON COMPLIANCE

This product complies to standards and specifications of BZT, FCC and article number 334 of PTT.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- o Reorient or relocate the receiving antenna.
- o Increase the separation between the equipment and receiver.
- o Consult the dealer of an experienced radio/TV technician for help.

CAUTION

- The content of this manual is subject to change without further notice.
- Due to printing limitation, the displays shown in this manual may differ from the actual display.
- The manufacturer and its suppliers held no responsibility to you or any other person for any damage expenses, lost profits, or any other claim arise by using this product.
- The contents of this manual may not be reproduced without the permission of the manufacturer.

WARRANTY

This product is warranted to be free of defects in manufacturing for 90 days after purchase. For technical support please call 800-853-8883 (Monday - Friday; 8am-5pm PST).

Defective product returns should be directed to the place of retail purchase. If this is not possible, all direct returns must include a Return Authorization Number from Oregon Scientific, together with proof of purchase date, your name and address, shipped prepaid to Oregon Scientific Inc., 19861 SW 95th Place Tualatin, OREGON 97062, USA.

This warranty does not cover a product subjected to abuse, misuse or accidental damage.