INTRODUCTION
Congratulations on your purchase of the THN138 Remote Thermo Sensor. This Remote Thermo Sensor is for use with the AVMR3 Multi Channel In-Out Thermometer to monitor temperature changes of outdoor sites. Operation is easy and no special installation is required.

COMPATIBLE UNITS:
Examples of compatible units are as follows:
BAR812A, BAR888, RMR112

MAIN FEATURES
① LED INDICATOR
Flashes when the remote unit transmits a reading.
② CHANNEL-SLIDE SWITCH
Designates the remote unit Channel 1, Channel 2 or Channel 3
③ RESET BUTTON
Removes all settings to default values.
④ BATTERY COMPARTMENT
Accommodates two UM-3 AA size alkaline batteries
⑤ BATTERY DOOR
⑥ WALL-MOUNT HOLDER
Supports the remote unit in wall mounting.
⑦ REMOVABLE TABLESTAND
For standing the remote unit on a flat surface

BEFORE YOU BEGIN
For best operation, To ensure proper reception between the main unit and the remote sensor, follow these instructions carefully.

BATTERY AND CHANNEL INSTALLATION
1. Place both units as close as possible to each other.
2. Remove the screws on the battery door of the remote unit.
3. Assign a different channel to each remote sensor by changing the channel switch in the battery compartment of the remote sensor.
4. [Insert 2 alkaline batteries (UM-3 or "AA" size) 1.5V type] according to the polarity shown.
5. Insert batteries or press the reset button of the main unit. Follow the instructions as set out in the User's manual.
6. Replace the battery compartment door and secure its screw.
7. Position the remote sensor meter unit within effective transmission range, which in usual circumstances is 10 meters.

NOTE: The effective range may be limited by building materials and the position of either the main unit or remote sensors. Try various setup arrangements for best result.

Though the sensor is weatherproof, it is meant for use outside. It should be placed away from direct sunlight, rain, or snow.

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

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

HOW TO RESET THE UNIT
The reset function is required only when the unit is operating in an unfavorable way or malfunctioning.
To access:
1. Lift open the battery compartment door.
2. Place a blunt stylus into the hole marked "RESET" and press.
3. Replace the battery compartment door.

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

HOW TO USE THE TABLE STAND OR WALL MOUNT
This sensor comes with a wall-mount holder and a removable stand. Use either to hold the unit in place. [FIG A]

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, short electronic life, span, damaged battery and destruction of parts.
4. Do not tamper with the unit’s internal components. Doing so will void the warranty on the unit and may cause unnecessary damage. The unit contains no user-serviceable parts.

SPECIFICATIONS
Temperature Measurement
- Displayed range: ±50.0°C to +70.0°C (+58°F to 158°F)
- Proposed operating range: 0.0°C to +60.0°C (+32°F to 140°F)
- Temperature resolution: 0.1°C (0.2°F)
- RF Transmission Frequency: 433 MHz
- No. of Remote units: Maximum of 3
- RF Transmission Range: Maximum 30 meters
- Temperature sensing cycle: around 30 seconds
- Power: use 2 pcs UM-3 "AA" 1.5V alkaline battery
- Weight: 80 gr (without batteries)
- Dimension: 105 x 70 x 22.5 mm (H x W x D)

NOTE ON COMPLIANCE
This product complies to standards and specifications of BPT, 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:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 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 alleged 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 800-853-9883 (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.