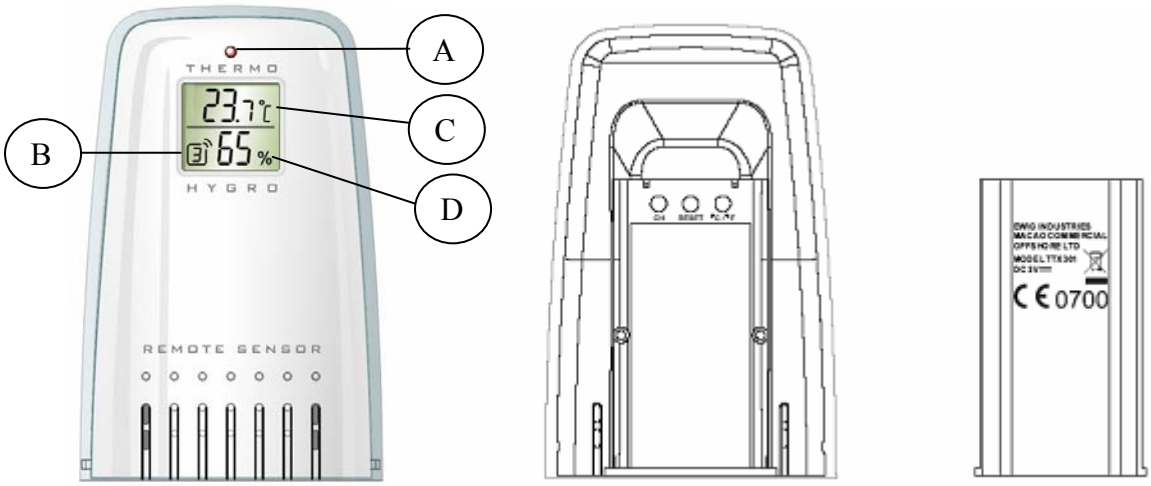
Thermo sensor

Model: THX301

Instruction Manual

Congratulations on your of purchasing our new long range outdoor thermo-hygrometer senor which can cover up to 75m range in an open area. This sensor is designed for everyday use for the home or office and used to monitor the temperature and humidity change of outdoor sites.



Features

A. LED indicator

Flashes when remote unit transmits a reading.

B. Channel number

Indicates the remote sensor is set to which channel and the user can find the corresponding reading in the same channel in the linked receiving unit.

C. Temperature/humidity display

Display the measured temperature and humidity

Description of buttons

The remote sensor has 3 function buttons inside the battery compartment

1. **[CH] button**

After the battery installation, the LED blinks slowly every 1.5 seconds and channel number shows '1' to indicate it is now under channel setting mode and is set to channel 1 by default. If the user presses no key within ten seconds, the unit will auto-exit the channel setting.

If the user press [CH] button once during the channel setting, the channel number

is changed to '2' to indicate the unit is set to channel 2. If the user press [CH] button again, the channel number will be advanced to channel '3' and so on.

The maximum channel number is '5' and the unit will be scrolled back to channel '1' at the 5th press of the [CH] button.

2. [C/F] button

Press to toggle unit °C or °F

3. [RESET] Button

Press to hardware reset the unit to factory setting

Setting procedure to link up with a receiving unit

This device is designed for easy set up with no wire installation. The following steps are required to be done in proper sequence to link up with a receiving unit. Please insert batteries for the receiving unit before doing so for the remote unit.

1. Remove the bracket stand.
2. Unlock two latches in the bottom to release the semi-transparent jacket.
3. Slide down the battery door in the back.
4. Insert 2 pieces AAA size batteries according to polarity marking on the battery compartment.
5. The LED blinks slowly to indicate it is under the channel setting mode and the user can set it to other channel by press [CH] key.
6. The temperature of the sensor will appear on the selected channel of the receiving unit if it is linked up with the receiving unit successfully.
7. Close the battery door and use two latches in the bottom to lock it with the semi-transparent jacket. Follow the same procedure (1 to 7) to register other remote sensors.

Note: For the user purchasing more than one remote sensor, he must set the sensors to different channel in the start up to avoid conflicts.

Precautions

a. Do not clean the unit with abrasive or corrosive compound. It may scratch the plastic parts and corrode the electronic circuits.
b. Do not subject the unit to excessive force shock, dust, temperature or humidity, which may result in malfunctioning, shorter electronic life span, damaged battery and distorted parts.

c. Do not tamper with these units' internal components. Doing so will invalidate the warranty on the unit and may cause unnecessary damage battery and distorted parts.
d. Do not subject the unit to excessive exposure to direct sunlight. The remote sensor is splash proof. Never immerse it in water or expose to heavy rain.
e. Always read the users manual thoroughly before operating the unit.

Specification

Displayed temperature 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)
Displayed range : 20% to 99%
Proposed operating range : 20% to 99%
RF transmission frequency : 433MHz
RF transmission range : Maximum 75 meters in open area
Batteries : Use 2 pieces UM-4 AAA size 1.5V alkaline battery

This device could be sensitive to electrostatic discharge, If electrostatic discharge or malfunctioning occurs please reset this unit.

CAUTION

The above content is subject to change without notice.
The displays printed in this manual may be different from the actual display because of printing limitations.
The manufacturer and its suppliers hold no responsibility to you or any other person for any damage expenses, lost profits, or any other claims arisen by using this product.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER 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 or an experienced radio/TV technician for help

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