IN-OUT Thermometer with Cable Free Sensor and Clock

USER'S MANUAL
(TE12)

If you press [**MEM**] now, the maximum and minimum temperatures will have the same values as the current ones until different readings are recorded.

DISCONNECTED SIGNALS

If without obvious reasons the display of the outdoor temperature goes blank, Hold [▼] for 2 seconds to enforce an immediate search. If that fails, check:

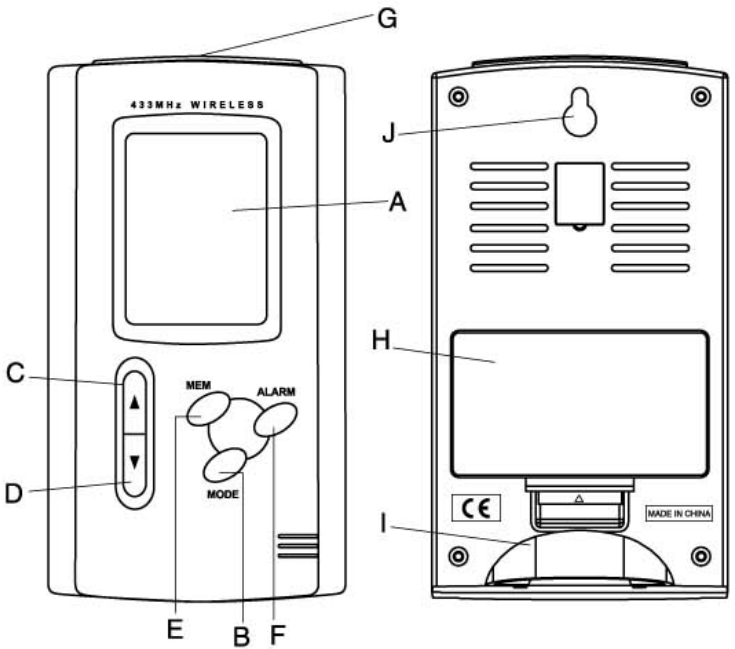
1. The remote unit is still in place.
2. The batteries of both the remote unit and main unit. Replace as necessary.

Note: When the temperature falls below freezing point, the batteries of outdoor units will freeze, lowering their voltage supply and the effective range.

3. The transmission is within range and path is clear of obstacles and interference. Shorten the distance when necessary.

TRANSMISSION COLLISION

Signals from other household devices, such as door bells, home security systems and entry controls, may interfere with those of this product and cause temporarily reception failure. This is normal and does not affect the general performance of the product. The transmission and reception of temperature readings will resume once the interference recedes.



HOW TO SET AND ARM THE ALARM

To set an alarm,

1. Press [**ALARM**] once to display alarm time. If the alarm is disarmed, the time will be displayed as " OFF ".
2. Hold [**ALARM**] for two seconds. The hour digits will blink.
3. Enter the hour using [▼] or [▲].
4. Press [**ALARM**]. The minute digits will blink.
5. Enter the minutes using [▼] or [▲].
6. Press [**ALARM**] to exit.
7. Repeat the same procedure to set single alarm.

The alarm "((W" " ((S " and " Pre-AL" icons will be displayed indicating which alarm is armed. You can also arm or disarm an alarm by pressing the **[Up],[Down]** button at alarm display mode.
Press **MODE** to return to clock display mode.

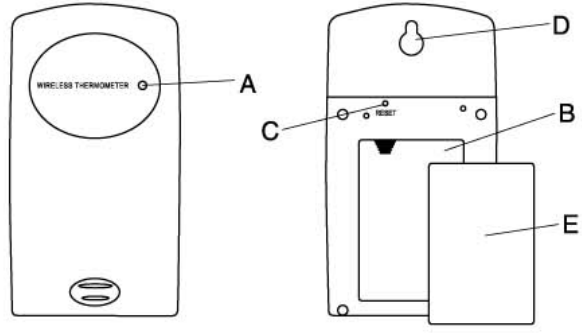
SNOOZE FEATURE

When the alarm sound is on, press the snooze key enter snooze mode.
After 8 minutes, it alarm sound will be wake up automatically.
The snooze cycle will be restart if you press the snooze key again.
If you leave the alarm sound on for 2 minutes, it will enter snooze mode automatically with maximum 3 times.

HOW TO STOP AN ALARM

Press [**ALARM**] on the unit to stop an alarm.

MAIN FEATURES: REMOTE UNIT



A LED INDICATOR
Flashes once when the remote unit transmits a reading
Flashes twice when low battery is detected on sensor unit

B BATTERY COMPARTMENT
Accommodates two AA-size batteries

C RESET BUTTON
Press to reset all setting if you have selected different channel.

D °WALL-MOUNT RECESSED HOLE
Supports the remote until in wall-mounting

E BATTERY DOOR

SPECIFICATIONS

Temperature Measurement
Main unit
Indoor Temperature measurement

Proposed operating range	: -5.0°C to +50.0°C 23.0°F to 122.0°F
Temperature resolution	: 0.1°C 0.2°F

Remote unit

Proposed operating range	: -10.0°C to +50.0°C 14.0°F TO 122.0.°F
Temperature resolution	: 0.1°C 0.2°F
RF Transmission Frequency	: 433 MHz
No. of Remote unit	: 1
RF Transmission Range	: Maximum 30 meters
Temperature sensing cycle	: around 43 seconds

Calendar Clock
12/24 h display with hh : mm
Date Format : Day - Month or Month-Day.
Day of week selectable in 5 language (E, F, D, I,S)
Dual 2-minute crescendo alarm with snooze
Pre-alarm for ice warning

LOW BATTERY WARNING

When it is time to replace batteries, the respective low-battery indicator will show up on the indoor or outdoor temperature.

HOW TO USE THE TABLE STAND OR WALL MOUNTING

The main unit has a removable table stand, which when connected, can support the unit on a flat surface. Or you can remove the stand and mount the unit on a wall using the recessed screw hole.
As for the remote unit, you can place it on a flat surface or mount the unit on a wall using the recessed screw hole.

GETTING STARTED

Once batteries are in place for the remote unit, they will start transmitting temperature readings at 43-second intervals.
The main unit will also start searching for signals for about two minutes once batteries are installed. Upon successful reception, the outdoors temperatures will be displayed on the top line and the indoors temperature on the bottom line. The main unit will automatically update its readings at about 43-second intervals.
If no signals are received, blanks " .-" will be displayed and the wave icon will show " OUT ".Hold [▼] for 2 seconds to enforce another search for about 2 minutes. This is useful in synchronizing the transmission and reception of the remote and main units.

INTRODUCTION

Congratulations on your purchase of the TE12 In-Out Thermometer with 433MHz cable free sensor and calendar clock.

The basic package comes with a main unit, which is the temperature and calendar clock station, and a remote unit, the thermo sensor.

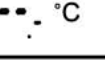
The main unit shows the indoors temperature, calendar clock and temperatures collected and transmitted by the remote unit.

The main unit is capable of keeping track of the maximum and minimum temperature of different sites. And no wire installation is required and the TE12 operates at 433MHz.

As for the calendar clock, it include five language display, and two minutes crescendo weekday and single alarms.

HOW TO READ THE KINETIC WAVE DISPLAY

The kinetic wave display shows the signal receiving status of the main unit. There are three possible forms:

The unit is in searching mode.	
Temperature readings are securely registered.	
No signals.	

MAXIMUM AND MINIMUM TEMPERATURES

The maximum and minimum recorded indoor and outdoor temperatures will be automatically stored in memory. To display them,

Press **[MEM]** once to display the maximum temperature and again the minimum temperature. The respective indicators, **[MAX]** or **[MIN]** will be displayed.

To clear the memory, hold down **[MEM]** for two seconds. The maximum and minimum temperatures will be erased.

A THREE-LINE DISPLAY
Facilitates easy reading of remote and indoors temperatures and calendar clock

B MODE BUTTON
Toggles the display modes and confirms entry while setting the values for display

C UP (▲) BUTTON
Advances the value of a setting

D DOWN (▼) BUTTON
Decreases the value of a setting

E MEMORY [MEN] BUTTON
Recalls the maximum or minimum temperature of main and remote unit

F ALARM BUTTON
Displays the alarm time or sets the alarm status

G SNOOZE BUTTON
Activate the snooze function

H BATTERY COMPARTMENTS
Accommodates two UM-3 or "AA" size 1.5V alkaline batteries

I REMOVABLE TABLE STAND
For standing the main unit on a flat surface

J WALL-MOUNT RECESSED HOLE
For mounting the main unit on a wall

CALENDAR CLOCK DISPLAY MODES

The clock and the calendar share the same section of the display. The calendar is displayed in a day-month format.

Each press on the **MODE** button will change the display between clock with second, clock with day of week, zone time with second and day-month

HOW TO SET THE CALENDAR CLOCK MANUALLY

To set the clock manually, hold **MODE** for two seconds it will show the year. Use [▼] or [▲] to change it.

Press **MODE** to confirm. Repeat the same procedure to set the month, date, date-month format, 12/24, hour, minute, display language, zone time offset and °C/°F.
During the setting, press and hold [▼] or [▲] will increase or decrease the value rapidly.
For display language, you can choose among English (EN), German(DE), French(FR), Italian (IT) and Spanish (SP) - in that order.
If there is an item you do not wish to change, simply press **[MODE]** to bypass the item.
When you finished the change, press **[MODE]** to exit. The display will return to the clock mode.

BEFORE YOU BEGIN

For best operation,

1. Insert batteries for remote units before doing so for the main unit.
2. Place the main unit as close as possible next to the remote unit.
3. 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 remote units are weather proof, they should be placed away from direct sunlight, rain or snow.

BATTERY INSTALLATION: REMOTE UNIT

1. Remove the screws on the battery compartment.
2. Install 2 batteries (UM-3 or "AA" size 1.5V) strictly according to the polarities shown.
3. Replace the battery compartment door and secure its screws.

BATTERY INSTALLATION: MAIN UNIT

1. Open the battery compartment door.
2. Install 2 batteries (UM-3 or "AA" size 1.5V) strictly according to the polarities shown.
3. Replace the battery compartment door.

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.

ALARM FEATURE

* Weekday Alarm
  The alarm sound will be activated and the icon will be flashed on weekday when it is armed and the alarm time is reach.
* Single Alarm
  The alarm sound will be activated and the icon will be flashed once when it is armed and the alarm time is reach. Once it finished, it will be disabled automatically.
* Pre-Alarm
  The pre-alarm sound will be activated and the icon will be flashed if outdoor temperature under or equal zero degree. Which is programmable 15, 30, 45, 60 or 90 minutes earlier than the weekday alarm or single alarm time.

Repeat this step whenever you find discrepancies between the reading shown on the main unit and that on the remote unit.

HOW TO CHECK REMOTE AND INDOOR TEMPERATURES

The indoors temperature is shown on the second line of the display.
The outdoors temperature is shown on the top line of the display.
The wave display on the outdoors temperature indicates the reception of the remote unit is in good order.
If no readings are received from the remote unit for more than two minutes, blanks " -- . " will be displayed until further readings are successfully searched. Check the remote unit is sound and secure. You can wait for a little while or Hold [▼] for 2 seconds to enforce an immediate search.
If the temperature goes above or below than the temperature measuring range of the main unit or the remote unit (stated in specification), the display will show " -- "

Power

Main unit	: use 2 pcs UM-3 or "AA" 1.5V battery
Remote sensing unit	: use 2 pcs UM-3 or "AA" 1.5V battery

Weight

Main unit	: 110g (without battery)
Remote sensing unit	: 60g (without battery)

Dimension

Main unit	: 67(L) x 123(H) x 26(D) mm
Remote sensing unit	: 55.5(L) x 101(H) x 24(D) mm

EC-DECLARATION OF CONFORMITY

This product contains the approved transmitter and complies with the essential requirements of Article 3 of the R&TTE 1999/5/EC Directives, if used for its intended use and that the following standard(s) has/have been applied:

Efficient use of radio frequency spectrum
(Article 3.2 of the R&TTE Directive)

applied standard(s) **EN 300 220-1,3:2000**

Electromagnetic compatibility
(Article 3.1.b of the R&TTE Directive)

applied standard(s) **EN 301 489-1,3:2000**

Additional information:
The product is therefore conform with the Low Voltage Directive 73/23/EC, the EMC Directive 89/336/EC and R&TTE Directive 1999/5/EC (appendix II) and carries the respective CE marking.

RTTE Compliant Countries :
All EU countries, Switzerland (CH)
And Norway (N)

INTENDED USE OF THE DEVICE

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 contents of this manual may not be reproduced without the permission of the manufacturer.

FCC ID: Q9PTE12-EL-NL
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

FCC ID: Q9PTS02-C
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

CE0125 ⓘ

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 inaccordance 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.