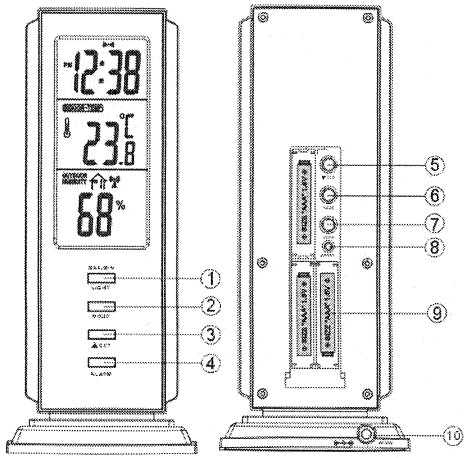
INSTRUCTION MANUAL
THERMO CLOCK WITH REMOTE SENSOR



1. [MAX/MIN/LIGHT] button
2. [MODE] button
3. [▲ SET] button
4. [ALARM] button
5. [▼ °C/°F] button
6. [12/24] button
7. [SCAN] button
8. [RESET] button
9. Battery compartment: 3 x "AAA-size"(R3) batteries
10. 3.0V DC-IN jack

Key Description

[MAX/MIN/LIGHT]
- i. To illuminate the LCD in dark.
- Ii. Check the maximum/minimum temperature memory

[MODE]
- i. To change display modes
- ii. Enter time setting mode with [▲SET]
- iii. Under the setting mode change the setting item

[▲SET]
- i. Enter time setting mode with [MODE]
- ii. Enter alarm time setting mode with [ALARM]
- iii. IncreAse the number of the set value

[ALARM]
- i. Enter alarm setting mode with [▲SET]
- ii. Activate or switch off Alarm function

[▼ °C/°F]
- i. Decrease the number of the set value
- ii. Change Mode between Celsius or Fahrenheit

[12/24]
- i. Change Mode between 12 and 24 hour format
- ii. To clear temperature memory

[SCAN]
- i. To start receiving signal from the remote sensor

Operation Description

A. Time set mode
1. Under the normal display, press [MODE] and [▲SET] keys at the same time for 3 seconds to enter time set mode.
2. Press [MODE] key to switch to the setting item. The sequence is Year > Month > Date > Hour > Minute > back to normal display.
3. Press [▲SET] or [▼ °C/°F] key to adjust the setting.
4. Calendar ranges from year 2000 to 2099.
5. Under the time setting mode, if no key is pressed after 5 seconds, it will return to the normal time mode.

Remarks:
- a. Press [MODE] key repeatedly to view month/date, year and time.
- b. Press [12/24] key to switch 12-hour or 24-hour format.

B. Alarm set mode
1. Under the normal display mode, press [ALARM] and [▲ SET] keys at the same time for 3 seconds to enter alarm set mode.
2. Press [MODE] key to switch to the setting item. The sequence is Hour > Minute >back to normal display.
3. Press [▲SET] or [▼°C/°F] key to adjust the setting.
4. Under the setting mode, if no key is pressed after 5 seconds, it will return to the normal time mode.

Remarks:
- a. The icon ( ) displays when daily alarm is on.
- b. When alarm beeps, press any key to stop alarm and to beep again the next day at the pre-set time.
- c. The alarm will sound three consecutive times, five minutes apart for a duration of 1 minute.

C. Thermometer
1. Under the normal display, press [▼°C/°F] key change Celsius or Fahrenheit.
2. Under the normal display, press and hold [MAX/MIN/LIGHT] key for three seconds to check the maximum temperatures, press [MAX/MIN/LIGHT]] again to check minimum temperatures.
3. Under the maximum or minimum temperature display, press [12/24] key the unit will delete the data stored before.
4. Indoor/out door high and low temperature alert.
   1). Under the normal display, Press [▲ SET] and [MAX/MIN/LIGHT] keys at the same time for 3 seconds to enter indoor low temperature alert set mode.
   2). Press [MODE] key to switch to the setting item, The sequence is indoor low temperature > indoor high temperature > outdoor low temperature (start -20°C) > outdoor high temperature > back to normal display.
   3). Press [▲ SET] or [▼°C/°F] key to adjust the setting.

Remarks:
When indoor/out door temperature reaches the set alert temperature, unit beeps for 1 minute, press any key stop.

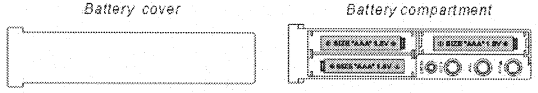
D. Outdoor Temperature From Remote Sensor
The main unit will search for a signal transmitted from the remote sensor in the following conditions:
1. When being reset and batteries are inserted.
2. Automatic Reception:
   The main unit will receive signal automatically approximately every 2 minutes updating the outdoor temperature
3. Manual Reception:
   Press [SCAN] key once to start receiving signal. During receiving signal mode, the symbol will blink. This process takes approximately 2 minutes. The symbol indicates the status of the reception.
4. Outdoor temperature and humidity change:
   Auto show temperature, humidity and heat index circularly per 5 seconds.

Signal Received	Receiving Signal	No Signal
The top of indicator is flashing.	The whole indicator is flashing	No indicator

Note:
1. The outdoor temperature trend displays 3 arrows:
   " " Upwards " " Steady " " Downwards.
2. If the " " indicator appears on the display of the main unit, remove and replace the batteries of the remote unit

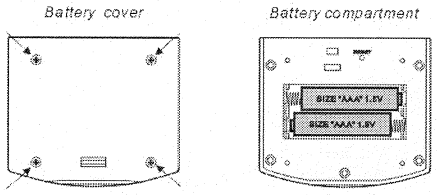
REPLACE BATTERY

Main unit:



1) Open battery cover by sliding downward. *2) Replace batteries.*

Remote sensor:



1) Open battery cover by removing these 4 screws *2) Replace batteries and secure cover with the 4 screws*

NOTE: Remote should be placed in a shaded location for accurate outdoor temperature sensing.

E.Specifications:

Main unit:

Temperature unit:	°C or °F
Indoor range:	0°C~50°C(32°F~122°F)
Outdoor range:	-20°C~60°C(-4°F~140°F)
Resolution:	0.1°C(0.2°F)
Accuracy:	±1.5°C (±34.7°F)
Power:	3xAAA-size (R3) 1.5v high quality alkaline batteries(recommended) And/or class 2 transformer (Power Supply) Input = 120 V AC, 60 HZ Output = 3V DC, 200 MA
Remote senor:	Water Resistant
RF frequency:	433MHz
Range:	23 meters(75') without obstructions
Transmission:	every 2 minute approximately
Humidity range:	20%~95%
Resolution:	1%
Accuracy:	± 5%(45%~75%) ± 10% (beyond 45% and 75%)
Power:	2xAAA-size (R3) 1.5v high quality alkaline batteries

Options

1. Optional AC/DC adaptor can be used instead of 3 pcs of AAA batteries by inserting the plug into the DC jack located at the back cabinet of the clock.
2. The rating of AC/DC Adaptor:
   Output: DC 3V~4.5V
   Current : 100mA~200mA
   Plug inner: positive pole (+ve), ø 2.5mm
   Plug outer: negative pole (-ve), ø 3.5mm

Suggested Dimensions

Reset

When error occurs or replace batteries, press the [RESET] on the bottom of the unit with a pointed object to resume normal operation.

Caution

1. Use 3 pcs batteries or equivalent, into battery compartment, ensuring that they are in the correct orientation (+,-) and taking care not to damage the batteries or contacts. Replace the battery compartment cover.
2. DO NOT mix new and old batteries or batteries of different types. Such as: Alkaline, standard(Carbon-zinc) or rechargeable (Nickel-cadmium, etc.)
3. If batteries leakage occurs and comes in contact with the skin or eyes, wash immediately with lots of water.
4. Batteries should be handled under adult supervision.
5. Ensure batteries are disposed of safely according to the battery manufacturers instruction.

Warning. Changes or modifications to this unit not expressly approved by the party responsible for compliance 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 needed.
* Consult the dealer or an experienced radio/TV technician for help.