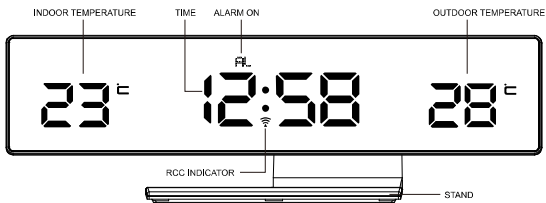


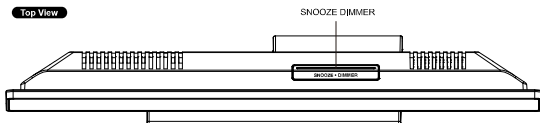
WS6815 - INSTRUCTION MANUAL

LED TEMPERATURE STATION WITH RADIO CONTROLLED CLOCK AND ALARM

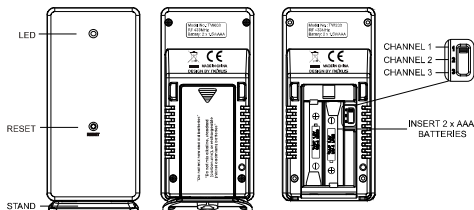
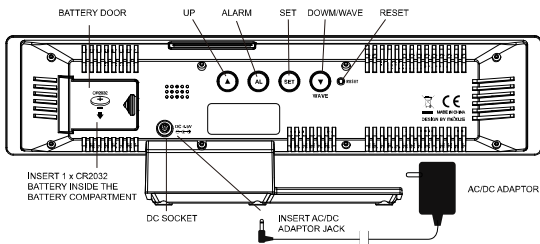
Front View



Top View



Back View



Words in the figure:

ENGLISH	OTHER LANGUAGE
<u>Front view</u>	
INDOOR TEMPERATURE	
TIME	
ALARM ON	
OUTDOOR TEMPERATURE	
STAND	
RCC INDICATOR	
<u>Top view</u>	
SNOOZE DIMMER	
<u>Back view</u>	
BATTERY DOOR	
UP	
ALARM	
SET	
DOWN/WAVE	
RESET	
AC/DC ADAPTOR	
INSERT AC/DC ADAPTOR JACK	
DC SOCKET	
INSERT 1 x CR2032 BATTERY INSIDE THE BATTERY COMPARTMENT	
LED	
RESET	
STAND	
CHANNEL 1	
CHANNEL 2	
CHANNEL 3	
INSERT 2XAAA BATTERIES	
OUTDOOR TEMPERATURE SENSOR-	

ENVIRONMENTAL RECEPTION EFFECTS

The temperature station obtains the accurate time with wireless technology. Same as all wireless devices, the reception is maybe affected by the following circumstances:

- Long transmitting distance
- Nearby mountains and valleys
- Among tall buildings
- Near freeway, railway, airports, high voltage cable etc.
- Near construction site
- Inside concrete buildings
- Near electrical appliances (computers, TV's, etc)
- Inside moving vehicles
- Near metallic structures

Place the station at a location with optimal signal, i.e. close to a window and away from metal surfaces or electrical appliances.

QUICK SETUP

Step 1 Keep the station and outdoor sensor next to each other. Slide open the battery cover at the back of the outdoor sensor. Make sure the channel selector is set at position 1 (top position), then insert 2 x AAA batteries (not included) into the outdoor sensor by observing the correct "+/-" polarity signs inside the battery compartment. Replace the battery door.

Step 2 Insert the AC/DC adaptor to any 230V AC household outlet. Then insert the DC jack to the back case of the station. Insert the stand to the bottom of the temperature station.

Step 3 Slide open the battery cover at the back of the station, then insert 1 x CR2032 Lithium battery (not included) to the battery compartment. Make sure "+" polarity of the battery is facing up. Then replace the battery cover.


Step 4 Peel off the protective label on the front. The temperature station is ready to work for you.

The station will receive data signal from the outdoor sensor in few seconds. Then place the outdoor sensor in a dry and shaded area outdoor.

BACK-UP BATTERIES


When the power supply is not in use, the station will be powered by the back-up batteries. The LED display is turned off, but time and alarm time remain stored (also in the event of a power failure).



DCF SIGNAL RECEPTION AND SIGNAL INDICATOR


After the station is powered up, it starts to receive DCF signal. The  icon flashes.

- | | |
|----------------------|--|
| Receiving DCF signal | () icon flashing) |
| Successful reception | () icon becomes static) |
| Failed reception | () icon disappear) |


During reception, press the  / **WAVE** button will display reception mode and signal strength indication:

When strong DCF signal is detected, display shows with 3 bars .

When weak or no DCF signal is detected, display shows  or .

During reception, the signal strength may move from 1 bar to 2 bars to 3 bars. This is normal since the clock is detecting DCF signal and other signals in the air at the same time. Press the **SET** button will return to the time display with  icon flashing.

Successful reception or failed reception

 Icon becomes static on (stop blinking) when reception is successful.

 Icon disappears when reception is failed.

Automatic reception and manual reception



The station starts automatic reception everyday at 1:00, 2:00, and 3:00. If it fails to receive the DCF signal at 3:00, it will start reception at 4:00. If it fails again, it will start reception at 5:00. If it fails again, it will start automatic reception at 1:00 again in the next day.



For manual reception simply press and hold the  / **WAVE** button, the station will give a short beep and starts manual reception. Press and hold the  / **WAVE** button to stop DCF reception.

When the temperature station is receiving the radio controlled time signal, the display will turn dimmer. It will resume to the brightness level which you originally selected after the radio controlled time reception is completed.









During DCF reception all buttons do not function and it does not take temperature measurement. The temperature readings will get stable and become more accurate after the station clock is powered up for around 30 minutes.

To cancel DCF reception permanently

Press and hold the  / **WAVE** and the  button at the same time for 2 seconds, the station will give 2 short beeps and the radio controlled function is permanently disabled.

To resume the radio controlled function, press and hold the  / **WAVE** and the  button at the same time for 2 seconds, the station will give 2 short beeps and will start DCF reception immediately.

TIME SETTING

1. Press and hold the **SET** button for 2 seconds, hour digits flash. Press the  or the  button to set the hours.
2. Then press the **SET** button again, the minute digits flash. Press the  or the  button to set the minutes.
3. Then press the **SET** button again, display shows **05** and flash. Press the  or the  button to set snooze duration from 5 minutes to 60 minutes.
4. Then press the **SET** button again, display shows **00** and flash. Press the  or the  button to set the time zone:

"-01" GMT +0 (United Kingdom)

"00" GMT +1 (Central European time)

"01" GMT +2 (Eastern European time)

Note: Time zone can only set when the clock successfully receives a radio signal.

5. Press the **SET** button again to store the settings and return to normal time display. The clock will return to normal mode in around 10 seconds if no further press of any other buttons.

Note: The time is displayed in 24-hour display format.

ALARM SETTING

(default alarm setting is 6:00 AM)

1. Press and hold the **ALM** button until the **AL** icon appears on the display, the hour digits flash. Press the ▼ or the ▲ button to set the desired alarm hours.
2. Press the **ALM** button again, the minute digits flash. Press the ▼ or the ▲ button to set the desired alarm minutes.
3. Press the **ALM** button again to store the alarm settings and return to normal time display. The clock will return to normal mode in around 10 seconds if no further press of any other buttons.

To turn on or off the alarm

Single press the **ALM** button during normal time display to turn on or off the alarm. When the alarm function is turned on the **AL** icon appears on top of the time digits.

Note: Alarm duration is 2 minutes.

To use the snooze function

When time reaches the set alarm time, the station will give a beep sound to wake you up. The **AL** icon will flash.

1. Press **SNOOZE** once to stop the alarm temporarily, **AL** icon keeps flashing. The alarm will beep again after the set snooze duration.
2. To stop the alarm, press any button except the **SNOOZE** button when alarm is beeping. The alarm will stop and **AL** icon becomes static. The Alarm will beep again same time next day.

DIMMER FUNCTION

Press the **SNOOZE / DIMMER** button to adjust high or low brightness of the LED display.

TROUBLE SHOOTING

In case the station shows false digits, it maybe affected by electrostatic discharge or interferences from other devices. Press the **RESET** button on the back of the station. The station will be reset to default setting of time and calendar and it will start to receive radio controlled time signal again.

If you lose the outdoor temperature

When the outdoor temperature digits show "--", the wireless transmission is either interrupted or lost.

Press and hold the ▲ button of the station, then press the **RESET** button located on the back of the outdoor transmitter. If you continue to lose the outdoor temperature display, try placing the transmitter in a different location until you have smooth transmission of temperature data.

Note: Keep in mind that the outdoor transmitter only has a 30 meter transmission range in open area with no obstructions. Each obstruction between the transmitter and the station (roof, walls, floors, ceilings, thick trees, etc.) will effectively cut the transmission range in half.

CARE OF THIS ITEM

- Do not expose the unit to extreme temperature, water or direct sunlight.
- Avoid contact with any corrosive materials.
- Do not subject the unit to excessive force, dust or humidity.
- Do not open the inner back case or tamper with any components of this unit.

SPECIFICATIONS

Operation temperature: 0°C to +45°C

Temperature measuring range:

Indoor: 0°C to +50°C

(display shows HH.H / LL.L if out of this range)

Outdoor: -50°C to +70°C

(display shows HH.H / LL.L if out of this range)

Temperature resolution: 1°C

Alarm duration: 2 minutes

Snooze duration: 5 to 60 minutes



Consideration of duty according to the battery law

Old batteries do not belong to domestic waste because they could cause damages of health and environment. End-users are committed by law to bring back needed batteries to distributors and other collecting points!