




TechnoLine WS 9180 Digital Temperature Station User Manual

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TechnoLine WS 9180 Digital Temperature Station



Product Information

The LCD display of the product provides various information including:

- Line 1: 12/24 hour time display
- Hour and minute display
- Seconds display
- Snooze function
- DCF-77 signal
- 2 alarm times
- Line 2: Date display (day/month)
- Weekday display in German (GE), English (EN), French (FR), Italian (IT), Spanish (SP)

The product also has dimensions of 73 x 26 x 164mm for the main unit and 50 x 28 x 96mm for the display unit.

Product Usage Instructions

Manual Time Setting

To manually set the time:

1. Press and hold the CLOCK button for 3 seconds.
2. Use the SET/RESET button to select the desired time display format (12/24 hours).
3. Press CLOCK again to activate the setting.

Time Zone Setting

If you wish to see the current time for another time zone:

1. Enter the time difference in hours between your time zone and the second time zone you want to store.
2. To view the second time zone, press CLOCK. The display will show the second time zone with the word "Zone".
3. To return to the normal time zone display, press CLOCK.

Alarm Function

To set the alarms:

1. Press and hold the ALARM button for 3 seconds.
2. Use the SET/RESET button to set the hours for alarm 1 and press ALARM to confirm.
3. Set the minutes by pressing SET/RESET.
4. After confirming with ALARM, the setting of the second alarm time will start.

To activate/deactivate the alarms:

- Repeatedly press SET/RESET to activate/deactivate the alarm times. The bell symbols on the display will indicate activated alarm times.

To stop the alarm:

- Press ALARM. The alarm will automatically switch off after 5 minutes of no button press. To completely deactivate the alarm, repeatedly press SET/RESET until the bell symbol disappears.

To view the alarm times:

- Press the ALARM button once to view the first alarm time.
- Press ALARM again to view the second alarm time.
- Press ALARM once more to return to normal time display.

Snooze Function

To activate the snooze function:

- Press Zz/REGISTER upon hearing the alarm. The bell symbol and Zz on the display will blink.
- After 5 minutes, the alarm will sound again.

To deactivate the snooze function:

- Press SELECT. The bell symbol will stop blinking.

Minimum and Maximum Temperatures

The product can display and store the maximum and minimum temperatures for each sensor and the station itself.

To view the stored temperatures:

- Press SELECT once to display the stored maximum temperature.

- Press SELECT twice to display the stored minimum temperature.
- Press SELECT three times to return to normal time display.

To delete a maximum or minimum temperature:

- While viewing the temperature, press SET/RESET. The station will delete the respective temperature.

SPECIFICATIONS

- DCF-77 Radio controlled clock with manual setting option
- 12/24 h time display
- Time zone setting ($\pm 12h$)
- Date and weekday display (5 languages)
- Indoor and outdoor temperature display in $^{\circ}C/^{\circ}F$
- MIN/MAX recording
- Temperature tendency display
- 2 alarms with snooze function
- Low battery indicator
- Wall mounting or table standing

LCD DISPLAY

Line 1: 12/24 h display

- Hour and minute display
- Seconds display
- Snooze function
- DCF-77 signal
- 2 alarm times

Line 2: Date display: day / month

Weekday display in German (GE), English (EN), French (FR), Italian (IT), Spanish (SP)

Line 3: Indoor temperature in $^{\circ}C$ or $^{\circ}F$

MIN/MAX indoor temperature Battery indicator mainstation

Line 4: Outdoor temperature in $^{\circ}C$ or $^{\circ}F$

MIN/MAX outdoor temperature

Battery indicator outdoor sensor

PUTTING INTO OPERATION

During the first 4-5 minutes your temperature station will attempt to receive the signal from the outdoor sensor. The radio waves in the display will blink. The radio tower will appear without radio waves.

Place the sensor and the station side by side. Now remove the back cover and insert the batteries in the correct polarity into the sensor within the next 2 minutes and then replace the back cover. The outdoor temperature will now be registered and will appear in the display.

In 3 minutes if there is no signal from the outdoor sensor, it will switch to search DCF-77 time signal. You may press the "Zz/REGISTER" button to search the outdoor temperature.

Temperature trend indicator (rising, constant, dropping)

MANUAL TIME SETTING

Press and hold "CLOCK" for 3 seconds.

Press "SET/RESET" to select 12/24 hour time display. Activate the setting by pressing "CLOCK" again. The weekday language (GE=German, FR=French, IT=Italian, SP=Spanish, En=English), second time zone, hours, minutes, seconds, year, month and day may be set in the same manner.

Press "CLOCK" again to return to normal time display.

TIME ZONE SETTING

If you wish to see the current time for another time zone in the display, you may set the time zone. Please enter the time difference in hours between your time zone and the second time zone you wish store. In the example of Los Angeles the setting would be -10 hours. To see the 2. time zone, press "CLOCK". The 2. time zone will appear on the display with the word "Zone". To return to the normal time zone display press "CLOCK".

ALARM FUNCTION

2 separate alarms may be set on your temperature station.

Press and hold "ALARM" for 3 seconds.

Use "SET/RESET" to set the hours for alarm 1 and press "ALARM" to confirm your selection. Set the minutes by pressing "SET/RESET". After confirming your setting with "ALARM", the setting of the second alarm time is started.

Activating/ deactivating the alarm

To activate the alarm times, repeatedly press "SET/RESET". The bell symbols on the display will show activated alarm times.

Stopping the alarm

When the alarm sounds, it may be deactivated by pressing "ALARM". The alarm will switch off automatically after 5 minutes if no button is pressed.

To completely deactivate the alarm, press "SET/RESET" repeatedly until the bell symbol for the alarm you wish to deactivate disappears. The bell symbols on the display will show activated alarm times.

Viewing the alarm times

To view the first alarm time press the "ALARM" button once. To view the second alarm time, press "ALARM" again and return to normal time display by pressing "ALARM" once more (the display automatically returns to normal time if no button is pressed for more than 8 seconds).

Snooze function

To activate the snooze function press "Zz/REGISTER" upon hearing the alarm. The bell symbol and Zz on the display will blink. After 5 minutes the alarm will sound again. To deactivate the snooze function, press "SELECT"; The bell symbol will stop blinking.

TEMPERATURE DISPLAY

Press and hold "SELECT" for 3 seconds.

Press "SET/RESET" to set °C (Celsius) or °F (Fahrenheit).

Confirm your selection by pressing "SELECT".

Minimum and maximum temperatures

Once set up, your station separately saves the maximum and minimum temperatures for each sensor and the

station itself. These values may be reset at any time.

- Pressing "SELECT" 1x displays the stored max. temperature
- Pressing "SELECT" 2x displays the stored min. temperature
- Pressing "SELECT" 3x returns to normal time display
- To delete a max. or min. temperature, press "SET/RESET" while viewing the temperature. The station will return to normal time display mode.

Temperature trend indicator

The arrow in the display shows if the outdoor temperature has risen within the last hour by more than 1 degree (arrow points upward), fallen (arrow points downward) or remained constant (arrow straight).

BATTERY REPLACEMENT

The battery low indicator will appear in the display when the batteries of the sensor need to be replaced. Remove the back cover and insert 2 AA batteries in the correct polarity. And then replace the back cover.

To register the sensor please press "Zz/REGISTER" for 3 seconds until flashing dashes appear in place of the outside temperature. The station will now attempt to register the sensor.

The battery symbol in row 2 displays the battery power of the station. To replace the batteries, open the battery compartment and insert 2x 1.5V AA new batteries in the correct polarity.

Hereby, Technotrade declares that this product WS9180 is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU and ROHS 2011/65/EC. The original EU declaration of conformity may be found at: www.technoline.de/doc/4029665091808

SPECIFICATIONS

- Indoor temperature measuring range: 0°C to +50°C (32°F to 122°F)
- Outdoor temperature measuring range: -30°C to +70°C (-22°F to 158°F)
- Resolution: 0.1°C/ 0.1°F
- Accuracy: $\pm 1^\circ\text{C}$ / 1°F
- Transmission frequency: 433 MHz
- Maximum transmission power: 8 dBm
- Dimensions (Main station): 73 x 26 x 164mm
- Dimensions (Outdoor sensor): 50 x 28 x 96mm
- Power requirements (Main station): 2 x AA Mignon LR06, 1.5V
- Power requirements (Outdoor sensor): 2 x AA Mignon LR06, 1.5V

Environmental reception effects

The 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
- near freeway, railway, airports, high voltage cable etc.
- near construction site
- among tall buildings
- inside concrete buildings

- near electrical appliances (computers, TV's, etc) and metallic structures
- inside moving vehicles

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

Precautions

- This main unit is intended to be used only indoors.
- Do not subject the unit to excessive force or shock.
- Do not expose the unit to extreme temperatures, direct sunlight, dust or humidity.
- Do not immerse in water.
- Avoid contact with any corrosive materials.
- Do not dispose this unit in a fire as it may explode.
- Do not open the inner back case or tamper with any components of this unit.

Batteries safety warnings

- Use only alkaline batteries, not rechargeable batteries.
- Install batteries correctly by matching the polarities (+/-).
- Always replace a complete set of batteries.
- Never mix used and new batteries.
- Remove exhausted batteries immediately.
- Remove batteries when not in use.
- Do not recharge and do not dispose of batteries in fire as the batteries may explode.
- Ensure batteries are stored away from metal objects as contact may cause a short circuit.
- Avoid exposing batteries to extreme temperature or humidity or direct sunlight.
- Keep all batteries out of reach from children. They are a choking hazard.

Use the product only for its intended purpose!

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.

You can return used batteries free of charge to your dealer and collection points. As end-user you are committed by law to bring back needed batteries to distributors and other collecting points!

Consideration of duty according to the law of electrical devices

This symbol means that you must dispose of electrical devices separated from the General household waste when it reaches the end of its useful life. Take your unit to your local waste collection point or recycling centre. This applies to all countries of the European Union, and to other European countries with a separate waste collection system.

Documents / Resources

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