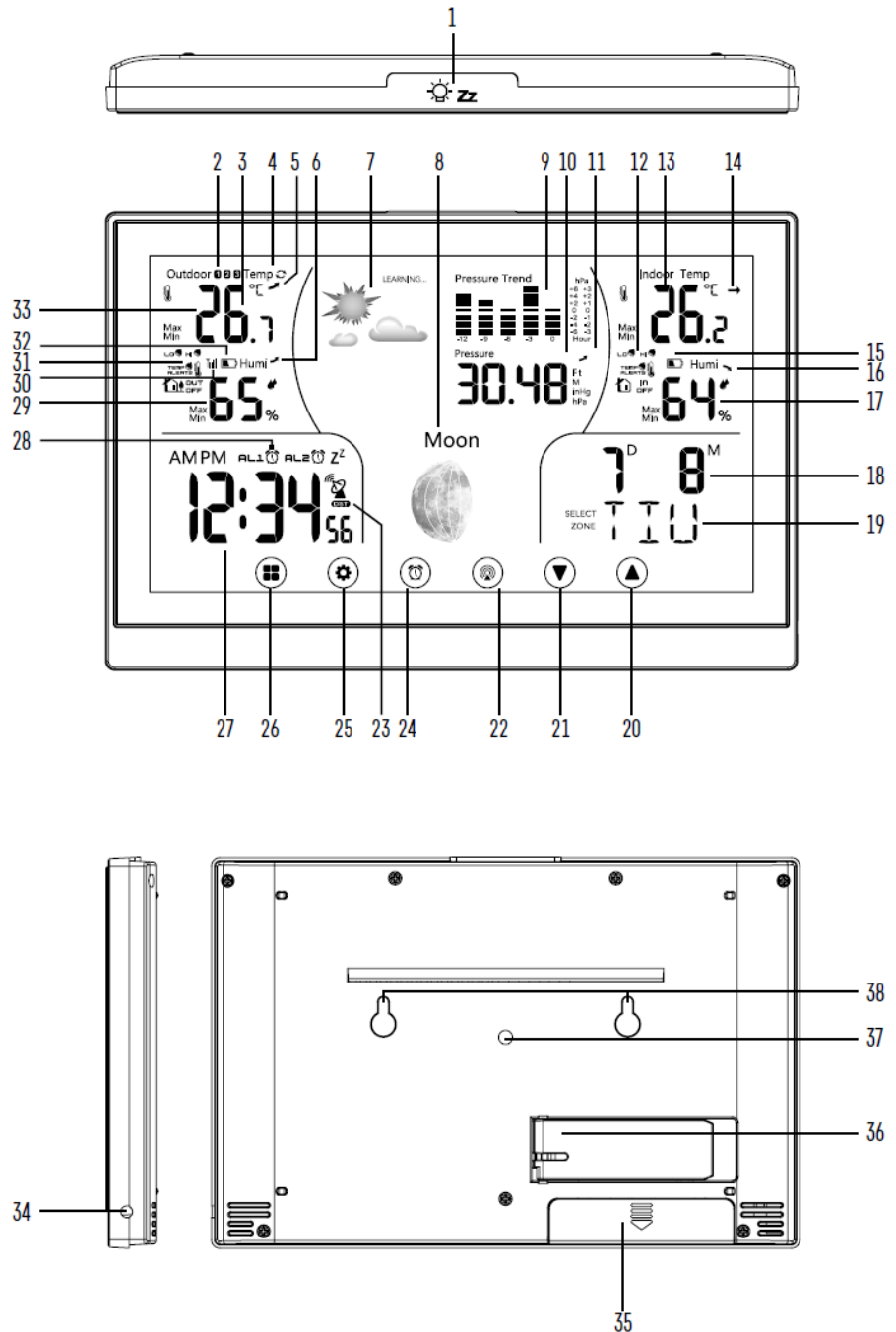


Thank you for purchasing our equipment. Please read this manual carefully and heed the safety warnings and instructions before installing, using or repairing the equipment. This will ensure not only the protection of persons, but also the long life of the equipment.

## DESCRIPTION OF EQUIPMENT


1. snooze/light button
2. sensor number 1/2/3
3. outdoor sensor data
4. rotation of data from connected sensors
5. outdoor temperature trend
6. outdoor humidity trend
7. weather forecast
8. phase of the moon
9. pressure history
10. pressure value
11. pressure trend
12. internal temperature alarm
13. internal temperature
14. indoor temperature trend
15. dead batteries in the station
16. indoor humidity trend
17. indoor humidity
18. date
19. day of the week
20. button UP - step forward in setting, memory of Max/Min temperature and humidity
21. button DOWN - step backwards when setting
22. button CHANNEL - search for sensor signal/switching data from connected sensors
23. receiving DCF signal, daylight saving time (DST)
24. button ALARM - alarm activation/deactivation
25. button SET - setting the temperature unit °C/°F, setting functions
26. button MODE - switching the displayed mode
27. time
28. alarm clock No. 1/No. 2
29. outdoor humidity
30. receiving the signal from the sensor
31. outdoor temperature alarm
32. dead batteries in the sensor
33. outdoor temperature
34. power supply input
35. battery compartment
36. stand
37. alarm loudspeaker
38. holes for hanging on the wall






## TECHNICAL SPECIFICATIONS

- DCF77 radio-controlled clock
- Time format: 12/24h
- Internal temperature: -10 °C to +50 °C, 0.1 °C resolution
- Outdoor temperature: -50 °C to +70 °C, 0.1 °C resolution
- Temperature measurement accuracy: ±1 °C for 20 °C to +24 °C, ±2 °C for 0 °C to +20 °C and 24 °C to +40 °C, ±3 °C for -20 °C to 0 °C and 40 °C to +50 °C, ±4 °C for other ranges
- Indoor and outdoor humidity: 1-99% RH, 1% resolution
- Humidity measurement accuracy: 5%
- Temperature display: °C/°F
- Barometric pressure measurement range: 800 hPa to 1100 hPa
- Pressure unit: hPa/inHg
- Radio range: up to 100 m in open space
- Number of sensors that can be connected: max. 3
- Wireless sensor: transmission frequency 433 MHz, 10 mW e.r.p. max.
- Power supply: 3× 1.5 V AAA batteries (not included), AC 230 V/DC 5 V, 300 mA adapter (included)
- Sensor power supply: 2× 1.5 V AAA (not included)
- Station dimensions and weight: 17 × 192 × 127 mm, 364 g
- Sensor dimensions and weight: 15 × 62 × 100 mm, 54 g

## COMMISSIONING

1. Connect the mains power supply to the weather station, then insert the batteries first into the weather station (3× 1.5 V AAA) and then into the wireless sensor (2× 1.5 V AAA). The battery cover of the sensor is protected by screws, so use a suitable screwdriver.
2. When inserting the batteries, make sure the polarity is correct to avoid damaging the weather station or sensor. Use only alkaline batteries of the same type, do not use rechargeable batteries.
3. Place the two units side by side. The weather station will automatically locate the signal from the sensor within 3 minutes. If no signal is found from the sensor, press the  button on the weather station for a long time.
4. We recommend placing the sensor on the north side of the house. In built-up areas, the range can.
5. The sensor is resistant to dripping water, but do not expose it permanently to rain.
6. Do not place the sensor on metal objects, as its transmission range will be reduced.
7. If the low battery icon appears, replace the batteries in the sensor or weather station.





## CHANGING THE CHANNEL AND CONNECTING OTHER SENSORS

1. Press the  button repeatedly to select the desired sensor channel - No. 1, 2 or 3. Then long press , the  icon will flash.
2. Unscrew the battery compartment cover on the back of the sensor, set the switch to the desired sensor channel number (1, 2, 3) and insert the batteries (2×1.5 V AAA). Within 3 minutes, the sensor data will be read.
3. If no sensor signal is found, remove the batteries and follow steps 1 and 2 again or press the TX button.


## SETTING OF DISPLAYING DATA FROM MULTIPLE SENSORS, AUTOMATIC ROTATION OF VALUES OF CONNECTED SENSORS



Repeatedly press the  button on the weather station to display data from all connected sensors.


Automatic rotation of data from connected sensors can also be activated:

1. **Switching on the rotation**  
Press  repeatedly until the  icon appears on the display.  
The data from all 3 sensors will be displayed automatically and repeatedly.
2. **Switching off rotation**  
Press  repeatedly until the  icon disappears.

## RADIO-CONTROLLED CLOCK (DCF77)

After pairing with the weather station, the wireless sensor will automatically search for the DCF77 signal (hereafter referred to as DCF) for 5 min., the  icon will flash. (The DCF sensor is located in the wireless sensor.)

Signal found - the  icon stops flashing and the current time is displayed with the DCF  icon.

Signal not found - DCF icon  will not be displayed. The DCF signal will be synchronized daily between 2:00 am and 3:00 am.

*Note: In case the station receives a DCF signal but the displayed current time is not correct (e.g. offset by  $\pm 1$  hour), the correct time offset must always be set in the country where the station is used, see. Manual settings.*

Under normal conditions (at a safe distance from sources of interference such as TV receivers, computer monitors), it takes several minutes to capture the time signal. If the weather station does not pick up this signal, follow the steps below:

1. Move the weather station to another location and try to reacquire the DCF signal.
2. Check the distance of the clock from sources of interference (computer monitors or TV receivers). It should be at least 1.5 to 2 metres when receiving this signal.
3. Do not place the weather station near metal doors, window frames or other metal structures or objects (washing machines, dryers, refrigerators, etc.) when receiving a DCF signal.
4. In rooms made of reinforced concrete (basements, high-rise buildings, etc.), the DCF signal reception is weaker depending on the conditions. In extreme cases, place the weather station near a window facing the transmitter.

## THE FOLLOWING FACTORS AFFECT THE RECEPTION OF THE DCF77 RADIO SIGNAL






- strong walls and insulation, basement and cellar areas
- unsuitable local geographical conditions (difficult to predict in advance)
- Atmospheric disturbances, thunderstorms, unsettled electrical appliances, televisions and computers located near the DCF radio receiver.

## MANUAL SETTINGS


Make any changes to the values using the  and  buttons.




When the desired value is set and no other button is pressed, the set values are automatically saved and the display switches to normal display.

## TIME, DATE AND TIME ZONE SETTINGS

1. Briefly press the  button.
2. Press the  button for 3s and set the following values using the  and  buttons: time zone, calendar language (ENG, GER, FRE, ITA, DUT, SPA, DAN), year, date format, month, day, time format 12/24 h, hour, minute, second.
3. Confirm the set value by pressing , hold the arrow keys to advance faster.

## ACTIVATION/DEACTIVATION/REPEAT WAKE-UP





Press the  button sequentially to activate alarm 1 (AL1); alarm 2 (AL2); or both alarms simultaneously (AL1, AL2); to deactivate the alarms.

To delay the alarm ringing for 5 minutes, press the  **ZZ** button. When pressed, the **AL1**  **AL2**  **ZZ** icons will start flashing. The alarm will sound again the next day.

## ALTITUDE AND ATMOSPHERIC PRESSURE SETTINGS



The station displays the atmospheric pressure in hPa or inHg, as well as the pressure history over the past 12 hours.

For a more accurate calculation of the pressure value, it is advisable to manually set the altitude of the place where the weather station is used.

1. Briefly press the  button 3 times.
2. Press the  button for 3 seconds and use the arrows to set the altitude between -90 m and +1990 m (10 m resolution).
3. Press  to change the pressure unit to "M/hpa" or "Ft/inHg".
4. Briefly press the  button.

## SETTING OF TEMPERATURE LIMITS FOR MAXIMUM AND MINIMUM VALUES










Temperature limits can be set separately for up to 3 outdoor temperature sensors.

When the minimum or maximum temperature limit is activated, the icon  (min) or  (max) will be displayed. When deactivated, it disappears.


### Temperature limit range

	Outdoor	Indoor
Minimum	-50 °C to +10 °C	0 °C-23 °C
Maximum	28 °C to +70 °C	26 °C-50 °C
Resolution	0,5 °C	0,5 °C




In normal view, switch to sensor 1, 2 or 3 by pressing  button repeatedly and proceed as follows for each sensor.

1. Briefly press the  button 4 times.
2. Press the  button for 3 seconds and set the minimum outdoor temperature.
3. Briefly press the  button to activate (ON)/deactivate (OFF) the outdoor minimum temperature warning.
4. Briefly press the  button and set the minimum outdoor temperature.
5. Briefly press the  button to turn the outdoor maximum temperature warning on (ON) / (OFF).
6. Briefly press the  button and set the minimum indoor temperature.
7. Briefly press the  button and switch the internal minimum temperature warning on (ON) / (OFF).
8. Briefly press the  button and set the minimum indoor temperature.
9. Briefly press the  button and switch the internal maximum temperature warning on (ON) / (OFF).









When the set temperature limit is exceeded, an audible signal sounds for 1 minute and the value .

Press any button on the display to cancel the warning sound, but the  symbol will still flash on the display. Once the temperature drops below the set limit, the symbol on the display will stop flashing.

## TREND IN TEMPERATURE, HUMIDITY AND PRESSURE

		
Declining	Permanent	Ascending

## PHASE OF THE MONTH

							
1	2	3	4	5	6	7	8


1 - New Moon; 2 - Outgoing New Moon; 3 - First Quarter; 4 - Growing Full Moon; 5 - Full Moon; 6 - Waning Full Moon; 7 - Last Quarter; 8 - Approaching new moon

*Note: Between 18:00 and 06:00 stars will be displayed around the moon icon.*

## DISPLAY OF MAXIMUM AND MINIMUM MEASURED TEMPERATURE AND HUMIDITY VALUES.

By pressing  button repeatedly, the maximum and minimum measured values of temperature and humidity will be displayed.

The memory of the measured values is automatically cleared every day at 00:00.

Or long press the  button to manually clear the memory.

## STATION DISPLAY BACKLIGHT

### When powered from an adapter

The display is automatically set to permanently backlight.

By repeatedly pressing the SNOOZE/LIGHT button, 4 permanent backlight modes can be set (off, maximum level, medium level, low level).

### When powered by 3×1.5 V AAA batteries only

The display backlight is switched off, after pressing the SNOOZE/LIGHT button the display lights up for 5 seconds and switches off.

With battery power only, the permanent display backlight cannot be activated!

*Note: The inserted batteries serve as a backup of the measured/set data. If the batteries are not inserted and you disconnect the power supply, all data will be deleted.*

## WEATHER FORECAST

The station forecasts the weather based on changes in atmospheric pressure for the next 12-24 hours for a 15-20 km .

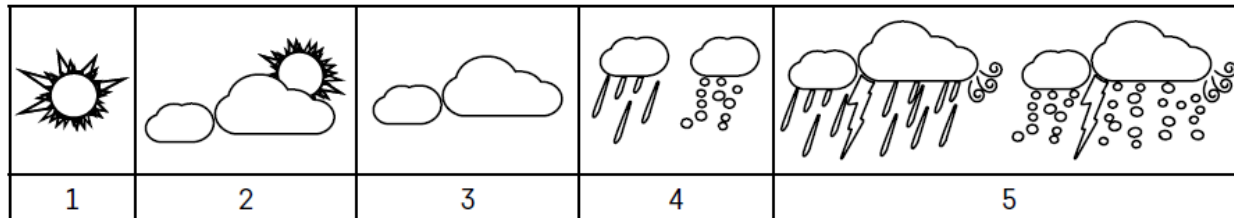
The accuracy of the weather forecast is 70-75%. The forecast icon is shown in field 7.

As the weather forecast may not always be 100% accurate, neither the manufacturer nor the seller can be held liable for any losses caused by inaccurate weather forecasts. The first time the weather station is set or reset, the learning mode will be activated and the station display will show LEARNING...

The station will evaluate the measured data and refine the forecast

This mode lasts for 14 days, after which the LEARNING... icon will automatically disappear.

### Weather forecast icons



1 - sunny; 2 - cloudy; 3 - overcast; 4 - rain/snow; 5 - thunderstorm/heavy snow

## NOTICE

- Before you start working with the product, read the user manual carefully.
- Do not expose the product to direct sunlight, extreme cold and humidity, or sudden temperature changes, as this will reduce the accuracy of the sensing.
- Do not place the product in areas prone to vibration and shock, as this could damage the product.
- Do not expose the product to excessive pressure, shock, dust, high temperature or humidity, as these may cause malfunction of the product, shorter energy life, battery damage and deformation of plastic parts.
- Do not expose the product to rain or moisture, it is not intended for outdoor use.
- Do not place sources of open flame, such as a lit candle, on the product.
- Do not place the product in places where there is insufficient airflow.
- Do not interfere with the internal electrical circuits of the product. You could damage it and automatically void the warranty.
- The product should only be repaired by a qualified professional.
- Use a slightly dampened soft cloth for cleaning. Do not use solvents or cleaning products as they may scratch plastic parts and damage electrical circuits.
- Do not immerse the product in water or other liquids.
- The product must not be exposed to dripping or splashing water.
- If the product is damaged or defective, do not carry out any repairs yourself. Take it to the shop where you purchased it for repair.
- Place the product out of reach of children, it is not a toy.
- Do not remove dead batteries, they could leak and damage the product.
- Use only new batteries of the recommended type and ensure correct polarity when replacing them.
- Do not throw batteries into fire, disassemble or short-circuit.

This appliance is not intended for use by persons (including children) whose physical, sensory or mental incapacity or lack of experience or knowledge prevents them from using the appliance safely, unless they have been supervised or instructed in the use of this appliance by a person responsible for their safety. Children must be supervised to ensure that they do not play with the apparatus.

Devices and batteries become hazardous waste when they are used, so do not throw them in the regular municipal waste, but take them to a take-back point - e.g. the shop where you bought the device. The product may be operated under General Authorisation No. VO R/10/07.2021-8 as amended.

Do not dispose of electrical appliances as unsorted municipal waste, use sorted waste collection points. Contact your local authority for up-to-date information on collection points. If electrical appliances are dumped in landfill sites, hazardous substances can seep into groundwater and enter the food chain, harming your health.

The product has been issued with a CE declaration of conformity in accordance with the applicable regulations.  
On request from the manufacturer: [info@solight.cz](mailto:info@solight.cz), or downloadable from [www.solight.cz/en](http://www.solight.cz/en).



**SOLIGHT**

Solight Holding, s.r.o., Na Brně 1972, Hradec Králové 500 06, Česká republika.