EN WIRELESS WEATHER STATION Solight TE82

User's Manual

User's Manual Dear customer, thank you for purchasing our product. If you want to safely make full use of the features, please carefully read these instructions and follow them. This way, you will avoid incorrect use or damage. Prevent unauthorized use of this device and always respect all rules regarding the handling of electrical devices. Please, keep the manual for future use. The main unit should be as close to a window as possible.

TECHNICAL SPECIFICATIONS

Room Temperature Measurement	0°C to +50°
Room Humidity Measurement	25% to 95%
Outside Temperature Measurement	-35°C to +60°C
Outside Humidity Measurement	25% to 95%
Power supply	3x AAA 1.5V alkaline battery
	AC/DC adapter 5V/1200mA
Temperature Measurement Accuracy	1 °C
Humidity Measurement Accuracy	5%

We recommend using alkaline batteries with a nominal voltage of 1.5 V to achieve the correct luminosity of the LCD display. NiMh accumulators usually have a voltage of 1.2 V causing the LCD luminosity to be inferior.

Main Unit

If the unit is to be **powered by batteries** open the battery compartment cover and insert three alkaline AAA batteries. Mind the indicated polarity. When powering up, for a moment, all of the LCD segments light up and the device makes a beep sound. It then goes into the standard temperature and humidity measurement mode.

When the device is **powered by an AC/DC adapter** connect the power connector to the input socket on the weather station and then connect the adapter to a power socket.

To reset the device, remove and reinsert the batteries or disconnect the adapter for at least five seconds. This will delete all settings and memory. When powered by batteries, the display stays lit for eight seconds after each activation. When powered by the adapter, it stays lit continuously.

The main unit can be paired with up to three sensors. Each sensor is powered by two alkaline AAA batteries.

Default Settings: 24-hour time format showing 00:00 and temperature in °C

1. BUTTON FUNCTIONS

Function / Controls		MODE	ALARM	ALERTS	UP	DOWN	CHANNEL	SNOOZE/LIGHT
Standard mode	**Brief push**	Toggling the displaying of clock and alarms (AL)	Turning alarms on and off	Turning temperature alarms on/off	Toggling °C/°F	------	Toggling CH 1, 2, 3	Toggling backlight modes
	Holding	Access time and date setting and alarm mode	-----	Access temperature alarm setting function	-----	RCC signal reception activation	Pairing a transmitter with the receiver on the current channel	Access snooze setting mode
Setting Time	**Brief push**	Toggle/confirm setting	-----	-----	One step forward	One step back	-----	-----
	Holding	-----	-----	-----	Fast forward	Fast backward	-----	-----
Setting the Alarm Clock	**Brief push**	Toggle/confirm setting	-----	-----	One step forward	One step back	-----	-----
	Holding	-----	-----	-----	Fast forward	Fast backward	-----	-----
Setting the temperature alarm	**Brief push**	-----	-----	Switching between temperatures being set	One step forward	One step back	-----	-----
	Holding	-----	-----	-----	Fast forward	Fast backward	-----	-----

2. MAIN FUNCTIONS

- Date and time (days of the week in seven languages – English, German, French, Italian, Dutch, Spanish and Danish)
- 12-hour or 24-hour time format
- Two alarms
- Snooze function for alarms (the interval can be set between 3 and 20 minutes, default setting is 5 minutes)
- RCC Signal Reception Mode: DCF
- Temperature measurement in °C or °F
- Room temperature measurement – measurement range 0 °C - +50 °C, measurement accuracy +/– 1°C, display range (0 °C to +50 °C)
- Room humidity measurement– measurement range 25 %-95 %, measurement accuracy +/- 5 %, display range (20 % - 99 %)
- Outside temperature measurement – measurement range –35 °C - +60 °C, measurement accuracy +/– 1 °C
- Outside humidity measurement – measurement range 25 %-95 %, measurement accuracy +/– 5°%
- Temperature alarm for inside and outside temperatures (notification about reaching a certain temperature)
- 6 weather forecast levels: sunny, sunny and cloudy, cloudy, rainy, stormy and snowy.
- Can be paired with up to three wireless sensors
- Battery depletion indication for the main unit and the wireless sensor
- Weather development indicator

- Adjustable display backlight (high, medium, off)
- The display is lit by sound (e.g. a hand clap) or by taping the weather station (only when powered by batteries) the display will keep on when the adaptor is used.

3. DEVICE FEATURES AND OPERATION

3.1. Setting Time

In the current time mode press and hold the **MODE** button for no longer than three seconds. You will enter the time setting mode. The active segment starts blinking. Setting sequence: snooze delay – hours – minutes – year –month – day – language – exit. By pressing the **UP** button you will move one step forward; you can fast forward by holding this button for over two seconds. By pressing the **DOWN** button you will move one step back; you can fast backward by holding this button for over two seconds. By pressing the **MODE** button the settings are confirmed. Unless you press any key within ten seconds, the values are stored as set by you.

3.2. Setting the Alarm Clock

In standard mode, pressing the **MODE** button switches between the current time, alarm 1 and alarm 2. Default setting: alarm AL1 6:00 and alarm AL2 00:00.

In alarm setting mode for alarm 1 (AL1), press the **MODE** button and hold it for at least two seconds. You will enter alarm clock setting mode for alarm 1. The active segment starts blinking. Setting sequence: hour → minute → exit. By pressing the **UP** button, you can move one step forward; holding the button will fast forward. By pressing the **DOWN** button, you can move one step forward; holding the button will fast backward. By pressing the **MODE** button the settings are confirmed. Unless you press any key within ten seconds, the values are stored as set by you. The same procedure applies to setting alarm 2 (AL2).

3.3. Alarm Function

In the current time mode, pressing the **ALARM** button turns the alarms on or off in the following sequence: Alarm 1 (AL1) on – Alarm 2 (AL2) on – Alarm 1 (AL1) and Alarm 2 (AL2) on - Alarm 1 (AL1) and Alarm 2 (AL2) off. When the alarm sounds, a ZZ symbol is displayed and it starts blinking along with the alarm symbol AL. The **SNOOZE/LIGHT** button activates the snooze function. Pressing any other button will turn the alarm off. The alarm automatically turns itself off after two minutes. When the alarm is sounding, the RCC signal is not being received. Reception resumes after the alarm is turned off. When the same time is selected for both alarms, AL1 is blinking on the display. Using the snooze function, an alarm may be postponed indefinitely. The progression of the alarm is: a) 0-10 seconds: one beep per second, b) 10 – 20 seconds two beeps per second, c) after 20 seconds – four beeps per second.

3.4. Setting the Snooze Delay

By holding the **SNOOZE/LIGHT** for over three seconds you enter the snooze setting mode (the interval can be set between three and twenty minutes, the default setting is five minutes). The active segment starts blinking. By pressing the **UP** button, you can move one step forward; holding the button will fast forward. By pressing the **DOWN** button, you can move one step forward; holding the button will fast backward. By pressing the **MODE** button the settings are confirmed. Unless you press any key within ten seconds, the values are stored as set by you.

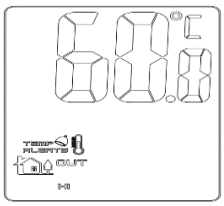
3.5. Sensor Toggle Function

In the current time mode, pressing the **CHANNEL** button switches between channels (CH1, CH2, CH3 or cycling of all three channels). When cycling is on, the display shows this symbol . In the cyclical three channel display mode the values change on their own. In thy cyclical mode, when fewer than three outdoor sensors are connected, the channels with no sensors connected will show random data.

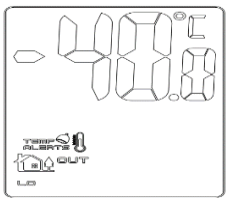
3.6. Sensor Pairing Function

First separate channels must be selected on the individual sensors. Open the battery compartment cover and move the position switch to the desired channel number 1, 2, or 3. Reinsert the batteries and close the cover. When powering up for the first time, an automatic sensor pairing is conducted. If, however, you want to change the pairing setup, change the channel by holding the **CHANNEL** button it for at least two seconds. The pairing process takes approximately three minutes. If the pairing process is unsuccessful, the weather station is probably out of signal range.

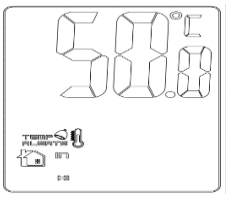
3.7. Temperature Alarm Settings Functions



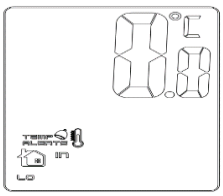
Display with the highest outside temperature



Display with the lowest outside temperature



Display with the highest room temperature



Display with the lowest room temperature

In the current time mode, pressing the **ALERTS** button switches between information about the highest and the lowest outside and inside temperature alarm values set, in the following order: highest outside temperature – lowest outside temperature – highest room temperature – lowest room temperature.

In the temperature alarm display mode, temperature alarms are turned on and off using the **UP** and **DOWN** buttons. When the alarm is on, a symbol is displayed. In the current time mode, holding the **ALERTS** button for longer than three seconds will access the highest and lowest room and outside temperature notification settings mode, in the following order: temperature – lowest outside temperature – highest room temperature – lowest outside temperature – lowest room temperature – exit. If no alarm is on, the temperature alarm, the word **OFF** will be displayed. Temperature setting range: outside temperature – 40 °C to +70 °C and room temperature 0 °C to +50 °C. The active segment will start blinking. By pressing the **UP** button, you can move one step forward; holding

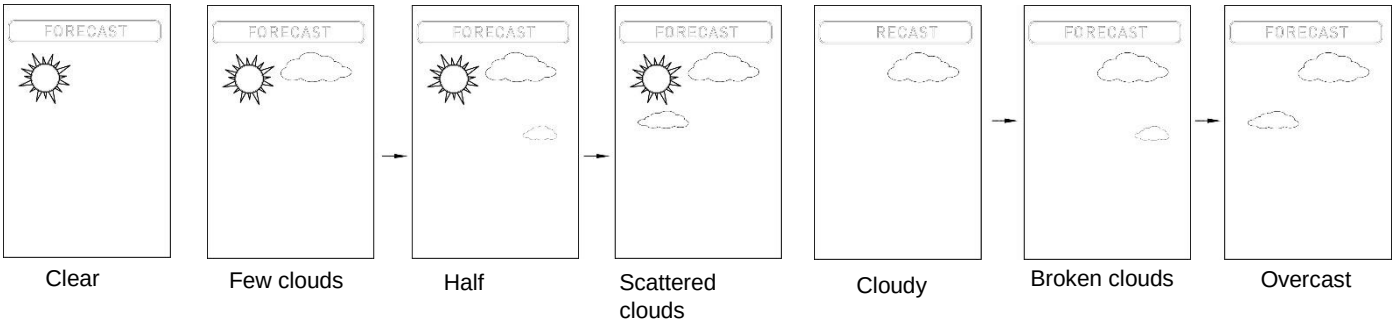
the button will fast forward. By pressing the **DOWN** button, you can move one step forward; holding the button will fast backward. By pressing the **ALERTS** button the settings are confirmed. Unless you press any key within ten seconds, the values are stored as set by you.

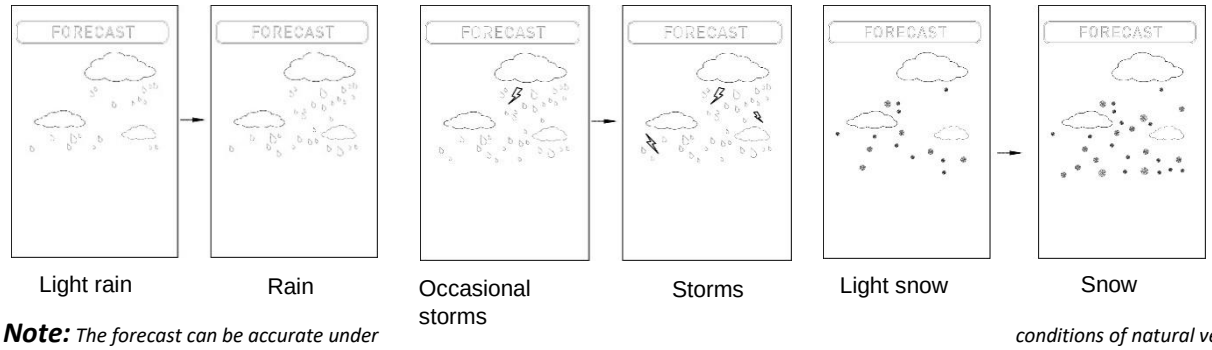
3.8. RCC Control Signal Reception

RCC signal reception is initiated by holding the **DOWN** button for over two seconds. In the RCC signal reception mode the icon is blinking. When the RCC signal is being received, the icon is blinking. When the RCC signal has been successfully received, the icon lights up and the reception is concluded. If the signal is weak or if the device is unable to isolate the correct signal, only the symbol is blinking. A signal reception attempt lasts for 6 minutes. If no signal is received within this period, the device leaves the signal reception mode. Try to catch the signal at a different location in the room. Pressing the **DOWN** button while the RCC signal is being received, the reception is terminated. Pressing the **SNOOZE/LIGHT** button activates the display backlight and the RCC signal reception will not be interrupted. If, in the RCC signal reception mode, the alarm is set off, the device leaves the reception mode and enters the alarm mode. After a reset, the RCC symbols disappear.

3.9. Weather Forecast Function

The weather station generates weather forecasts for the next 12 hours. The measurement is based on monitoring the development of pressure. The forecast information is only of an indicative value. This weather station is not comparable to professional equipment or to satellite and computing technology. To get objective weather forecasts, consult official sources.





Note: *The forecast can be accurate under conditions of natural ventilation; errors occur when the device is placed in a room or an air-conditioned environment.*
Three temperature and humidity development levels:

Temperature/humidity has an increasing trend
Temperature/humidity stays at a constant value
Temperature/humidity has an decreasing trend

3.10 Lighting the Display and an Overview of Calendar Day Abbreviations

When the weather station is powered by batteries, pressing any key on the display lights the display for eight seconds. If the display backlight is too weak, replace the batteries. When the device is powered by the adapter the display backlight is turned on when powering up and it is turned off again when power supply is interrupted. The display is equipped with a sound and vibration sensor. It can be lit e.g. by a hand clap, whistle, tapping of the casing or the display of the weather station etc. – this function is only available when the device runs on batteries.

3.11 Days of the Week

Czech	**English**	**German**	**French**	**Italian**	**Dutch**	**Spanish**	**Danish**
	ENG	**GER**	**FRE**	**ITA**	**DUT**	**SPA**	**DAN**
Monday	MON	MON	LUN	LUN	MAA	LUN	MAN
Tuesday	TUE	DIE	MAR	MSR	DIN	MAR	TIR
Wednesday	WED	MIT	MER	MER	WOE	MIE	ONS
Thursday	THU	DON	JEU	GIO	DON	JUE	TOR
Friday	FRI	FRE	VEN	VEN	VRI	VIE	FRE
Saturday	SAT	SAM	SAM	SAD	ZAT	SAD	LOR
Sunday	SUN	SON	DIM	DOM	ZON	DOM	SON

The product is CE (Declaration of Conformity) certified, in accordance with current regulations. On request, at the producer: info@solight.cz, or for download at shop.solight.cz.
Producer: Solight Holding, s.r.o., Na Brně 1972, Hradec Králové 500 06, Czech Republic