EN Solight TE76 METEOROLOGICAL STATION

Instructions for use

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Dear customer, thank you for buying our product. If you would like to use it safely and get the most out of it then please read through these instructions carefully and follow them. That way you will avoid incorrect use or damage. Prevent unauthorised use of this device and always respect all rules related to handling electronic devices. Keep the instructions for use in case you need them later. The main unit should stand as close to a window as possible.

TECHNICAL INFORMATION

Room temperature measurement	0°C to +50°
Room humidity measurement	25% to 95%
Outdoor temperature measurement	-30°C to +60°C
Outdoor humidity measurement	25% to 95%
Power supply	3x AAA 1.5V alkaline battery
	AC/DC adapter 5V/1,200mA
Temperature measurement accuracy	1°C
Humidity measurement accuracy	5%

We recommend using alkaline batteries with a rated voltage of 1.5V for the LCD display to be the correct luminescence. Rechargeable NiMH batteries usually have a 1.2V rated voltage and the luminescence of the LCD display is therefore worse.

Main unit

In the case of **charging using batteries** open the battery cover and insert three AAA alkaline batteries. Observe the marked polarities. When switching on all segments the LCD display will light up for a moment and the device will beep. Then it will go into standard mode of measuring temperature and humidity.

In the case of **charging using a AC/DC adapter** connect the charging connector to the input socket at the meteorological station and then connect to an electrical socket.

Reset the equipment by removing the batteries or disconnecting the adapter for at least five seconds. That will return the settings to their defaults and will delete the memory. In the case of charging using batteries the display lights up and stays lit for eight seconds each time. In the case of charging using an adapter it is lit constantly.

You can only pair up the main unit with three sensors. Each sensor is charged by two AAA alkaline batteries.

Initial settings: 24-hour time format shows 00:00, pressure is in hPa units, and temperature is in °C

1. FUNCTIONS OF BUTTONS

Function / Control		MODE	ALARM	ALERTS	UP	DOWN	CHANNEL	SNOOZE/LIGHT
Standard mode	**Short press**	Switch between display of time and alarms (AL)	Switch alarm on and off	Switch between max/min	Switch between °C/°F	Switch between 12h/24h	Switch between CH 1, 2, 3	Switch between under-lighting modes
	Long press	Enter into time and date setup mode	Delete information about maximum/minimum temperature/humidity	Enter into temperature alarm setup function	Switch barometer HPa/inHg	Activate RCC signal reception	Pair transmitter with receiver on current channel	Enter into snooze setup mode
Time setting	**Short press**	Switch/Confirm setting	-----	-----	One step forwards	One step back	-----	-----
	Long press	-----	-----	-----	Forwards at a speed of 8 steps per second	Back at a speed of 8 steps per second	-----	-----
Alarm setting	**Short press**	Switch/confirm setting	-----	-----	One step forwards	One step back	-----	-----
	Long press	-----	-----	-----	Forwards at a speed of 8 steps per second	Back at a speed of 8 steps per second	-----	-----
Set up temperature alarm	**Short press**	-----	-----	Switch/confirm setting	Switch temperature alarm on and off	Switch temperature alarm on and off	-----	-----
	Long press	-----	-----	-----	One step forwards	One step back	-----	-----

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
- Alarm with SNOOZE function (interval adjustable from 3 to 20 minutes, default setting 5 minutes)
- RCC signal reception mode: DCC
- Measurement of temperature in °C or °F
- Measurement of room temperature – range from 0°C - +50°C, accuracy of measurement +/- 1°C, scope of display (0°C to +50°C)

- Measurement of room humidity – scope of measurement 25% - 95%, accuracy of measurement +/- 5%, scope of display (20% - 99%)
- Measurement of outdoor temperature – scope of measurement -30°C - +60°C, accuracy of measurement +/- 1°C, scope of display (-40°C - +70°C)
- Measurement of outdoor humidity – scope of measurement 25%-95%, accuracy of measurement +/- 5%, scope of display (20% - 99%)
- Measurement of pressure
- Moon phases
- Temperature alarm (warning when a certain temperature is reached)
- Six levels of weather forecasting: sunny, partly cloudy, cloudy, showers, thunderstorms, snow
- Option of pairing up three wireless sensors
- Indication of discharge of the battery of the main unit and the wireless sensor
- Comfort indicator
- Adjustable under-lighting of display (high, medium, off)
- Display switching on activated by sound (e.g. by clapping) or by knock on the meteorological station (only during charging using batteries)

3. FUNCTIONS AND WORKING OF DEVICE

3.1. Time setting

In the real time mode press and hold the **MODE** button for more than three seconds. That gets you into time setup mode. The active segment starts flashing. The order of setup is time zone – hours – minutes – years – months – days – language - exit. Pressing the **UP** button moves one step forwards; pressing the button for longer than two seconds moves forwards at a speed of eight steps per second. Pressing the **DOWN** button moves one step back; by pressing the button for longer than two seconds you can move backwards at a speed of eight steps per second. Pressing the **MODE** button confirms the settings. If you don't press any button for ten seconds then the values get stored the way that you set them up.

3.2. Alarm setup

In standard mode pressing the **MODE** button switches between real time, alarm 1 and alarm 2. Default setting: alarm 1 is at 06:00 and alarm 2 is at 00:00.

In Alarm 1 setup mode (AL1) press the **MODE** button and hold it for more than two seconds. That way you enter Alarm 1 setup mode. The active segment begins to flash. Order of setup: hour → minute → exit. Press the **UP** button to proceed one step forwards; holding it down for longer moves through the steps faster. Pressing the **DOWN** button moves one step back; holding it down for long moves through the steps faster. Pressing the **MODE** button confirms the setting. If you don't press any button for ten seconds then the values get stored the way that you set them up. To set up alarm 2 (AL2) proceed in the same way.

3.3. Wake-up function

In real time mode press the **ALARM** button to switch the alarm on and off in the following order: Switch on Alarm 1 (AL1) – Switch on Alarm 2 (AL2) – Alarm 1 (AL1) and Alarm 2 (AL2) switched on - Alarm 1 (AL1) and Alarm 2 (AL2) switched off. When the alarm starts to ring, the ZZ symbol appears on the display and starts flashing together with the AL alarm symbol. Pressing **SNOOZE/LIGHT** postpones the alarm. Pressing any other button switches the alarm off. The alarm switches itself off automatically after two minutes. When the alarm sounds no RCC signal is received, it gets renewed after the alarm is switched off. If the same time is set for both alarms then AL1 flashes on the display. The alarm can be postponed for a discretionary time. Alarm sound is in the following order: 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. Snooze setup

In standard mode pressing the **SNOOZE/LIGHT** button for more than three seconds switches on the snooze setting (interval set up to you from three to twenty minutes, the default setting is five minutes). The active segment starts flashing. Pressing the **UP** button moves one step forwards; holding it down for longer moves faster. Pressing the **DOWN** button moves one step back; holding it down longer moves faster. Pressing the **MODE** button confirms the setting. If you haven't pressed any button for ten seconds, the values will be stored the way that you set them up.

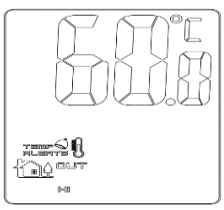
3.5. Sensor switching function

In real time mode pressing the **CHANNEL** button switches between channels (CH1, CH2, CH3 or cyclical repetition of all three channels). During cyclical repetition the symbol appears on the display. In cyclical repetition display of three channels mode the values change by themselves. If less than three outdoor sensors are connected then random data are displayed during cyclical repetition on channels that are not connected.

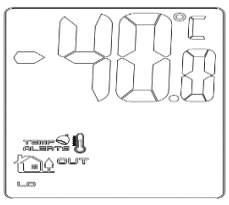
3.6. Sensor pairing function

First you have to set up different channels on individual sensors. Open the battery cover and use the positionable switch to set channel number 1, 2 or 3. Then insert the batteries and close the cover. When switching the meteorological station on the first time the sensors will automatically get paired. However, if you want to change the pairing then switch channel using the **CHANNEL** button and then hold it for more than two seconds. The pairing takes about three minutes. If the pairing is unsuccessful then the meteorological station is apparently beyond reach of signal.

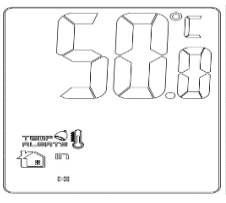
3.7. Temperature alarm setup function



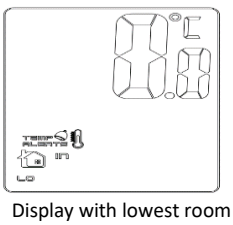
Display with highest outdoor temperature



Display with lowest outdoor temperature



Display with highest room temperature



Display with lowest room temperature

In real time mode pressing the **ALERTS** button switches between a warning of the highest and lowest room and outdoor temperatures in the following order: highest outdoor temperature – lowest outdoor temperature - highest room temperature – lowest room temperature.

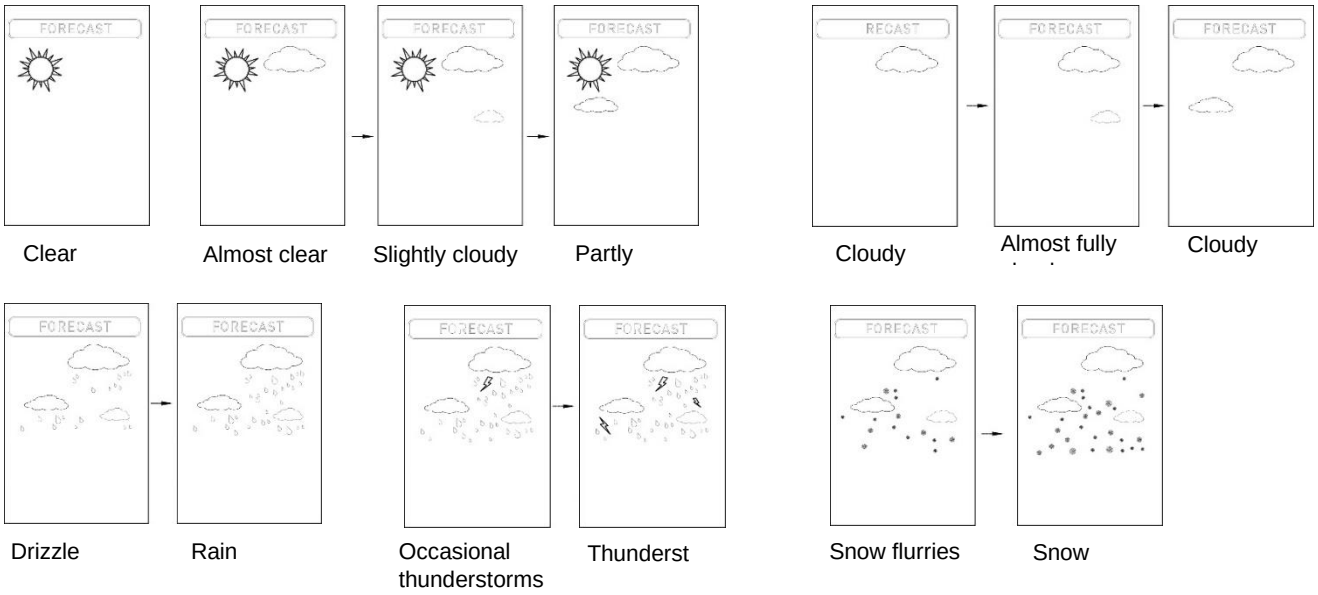
In the maximum or minimum temperature display mode use the **UP** and **DOWN** buttons to switch the temperature alarm on and off. If the alarm is on then the symbol appears on the display. In real time mode pressing and holding the **ALERTS** button for three seconds enters into the mode of setting a warning for highest and lowest room and outdoor temperatures in the following order: highest outdoor temperature – lowest outdoor temperature - highest room temperature – lowest room temperature - exit. Range of display: outdoor temperature -40°C to +70°C and room temperature 0°C to +50°C. The active segment starts flashing. Pressing the **UP** button moves one step forwards; holding it down longer moves faster. Pressing the **DOWN** button moves one step back; holding it down longer moves faster. Pressing the **ALERTS** button confirms the setting. If you don't press any button for ten seconds then the values get stored the way that you set them up.

3.8. Reception of RCC control signal

Reception of RCC signal starts automatically after the device is switched on or reset. Forced reception of RCC signal: press the **DOWN** button for more than two seconds. The signal is received automatically every day. Automatic reception takes place at the following times of day: 1:00, 2:00 and 3:00. In the event of an error, there are more attempts to receive a signal at 4:00 and 5:00. If reception is unsuccessful, it gets repeated the next day at 1:00. If a signal is successfully received at 4:00 then reception for the given day is not repeated. If reception of signal at 4:00 is unsuccessful then it is repeated at 5:00. In RCC signal reception mode the icon flashes. If RCC signal is received then the icon flashes. If an RCC signal is successfully received then the icon lights up and reception of signal ends. If the signal is weak or if the device is unable to distinguish what the correct signal is then only the symbol flashes. Pressing the **DOWN** button during RCC signal reception ends its reception. Pressing the **SNOOZE/LIGHT** button switches on the under-lighting of the display and reception of RCC signal will not be interrupted. If the alarm is activated in RCC signal reception mode, the device switches from reception mode into wake-up mode. After reset the RCC symbols go away.

3.9. Weather forecast function

Six levels of weather forecast: sunny, partly cloudy, cloudy, showers, thunderstorms, snow. The values on the barometer change every hour. The display constantly shows 'LEARNING PRESSURE', meaning that it is continuously reading values of barometric pressure. Dynamic display of weather forecast.



The weather symbols represent the estimated weather for the next 24 hours. The estimate is done based on a calculation using the temperature data and the humidity data. The estimate serves only as a guideline. If the equipment is operated in a room that has air conditioning, the estimate will not be accurate.

3.10. Lighting of display and overview of abbreviations for days in calendar

If the meteorological station is powered by batteries, then by pressing any key the display lights up for eight seconds. If the under-lighting of the display is weak then replace the batteries. If powering using an adapter, when the alarm is switched on the display lights up and then when it finishes it turns off. The display has a sound sensor and it can be lit up by a sound signal, for example a clap, whistle or similar – that applies only for charging using batteries.

Days of the week

	Anglicky	**Německy**	**Francouzsky**	**Italsky**	**Holandsky**	**Španělsky**	**Dánsky**
	ENG	**GER**	**FRE**	**ITA**	**DUT**	**SPA**	**DAN**
Mondey	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

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