Technoline WS 9140-IT

Technoline WS 9140-IT Temperature Station User Manual

Model: WS 9140-IT

INTRODUCTION

The Technoline WS 9140-IT is a temperature station designed for monitoring both indoor and outdoor temperatures. It features a DCF-77 radio-controlled clock for automatic time synchronization, an alarm with snooze function, and records minimum and maximum temperature values. This device can be conveniently placed on a table or mounted on a wall.

PACKAGE CONTENTS

Please check that all components are present in the package:

- 1 x WS 9140-IT Base Station
- 1 x TX37-IT Outdoor Sensor
- User Manual (this document)

PRODUCT OVERVIEW

The Technoline WS 9140-IT consists of a main base station and a wireless outdoor sensor. The base station displays time, indoor temperature, and outdoor temperature. It also features control buttons for settings and functions.

Figure 1: Technoline WS 9140-IT Temperature Station and its packaging.

WS 9140
Temperaturstation

- DCF-77 Funkuhr mit manueller Einstelloption
- Zeitzoneneistellung (+/- 12h)
- Innen- und Außentemperatur-anzeige
- MIN/MAX Speicherung

- Weckalarm mit Schlummerfunktion
- Batterieendanzeige
- Wandaufhängung oder Tischaufstellung

Technische Daten

Station WS 9140
Abmessungen (BxHxT): 73 x 158 x 25 mm
Stromversorgung: 2 x AA Mignon LR06
            (nicht inklusive)

Sensor TX106
Abmessungen (BxHxT): 39 x 97 x 25 mm
Stromversorgung: 2 x AAA Micro LR03
            (nicht inklusive)

Innentemperatur-Messbereich:
-10°C bis +40°C
Außentemperatur-Messbereich:
-40°C bis +60°C

EAN: 4029665091402

Figure 2: Front view of the base station and the outdoor sensor, showing display elements and technical specifications.

Base Station Display Elements:

- **Time Display:** Shows current time, synchronized via DCF-77 radio signal.
- **Indoor Temperature:** Displays the temperature measured by the base station.
- **Outdoor Temperature:** Displays the temperature received from the wireless sensor.
- **MIN/MAX Indicators:** Shows recorded minimum and maximum temperatures.
- **Battery Indicator:** Alerts when batteries are low.

Control Buttons:

- **SET:** Enters setting mode.
- **ALARM:** Activates/deactivates alarm and enters alarm setting mode.
- **MIN/MAX RESET:** Displays minimum/maximum values and resets them.
- **'+'** / **'-':** Adjusts values during setting or changes display options.

SETUP

1. Battery Installation

For the Outdoor Sensor (TX37-IT):

1. Open the battery compartment cover on the back of the outdoor sensor.
2. Insert 2 x AA Mignon LR06 batteries, observing the correct polarity (+/-).
3. Close the battery compartment cover securely.

For the Base Station (WS 9140-IT):

1. Open the battery compartment cover on the back of the base station.
2. Insert 2 x AA Mignon LR06 batteries, observing the correct polarity (+/-).
3. Close the battery compartment cover securely.

Note: Always insert batteries into the outdoor sensor first, then into the base station to ensure proper synchronization.

2. Sensor Placement

Place the outdoor sensor in a shaded, dry location, protected from direct sunlight and rain, to ensure accurate temperature readings. The maximum transmission distance is 100 meters in open air. Avoid placing it near large metal objects or electrical appliances that may interfere with the signal.

3. Initial Synchronization (DCF-77 Radio Clock)

After battery installation, the base station will automatically begin searching for the DCF-77 radio signal. This process may take several minutes. Once the signal is received, the time will be set automatically. A radio tower icon will appear on the display, indicating successful synchronization.

4. Manual Time Setting (Optional)

If the radio signal is not available or if you prefer to set the time manually:

1. Press and hold the **SET** button until the hour digits flash.
2. Use the **'+'** or **'-'** buttons to adjust the hour.
3. Press **SET** again to confirm and move to minute setting.
4. Use **'+'** or **'-'** to adjust the minutes.
5. Press **SET** to confirm and exit manual time setting.

5. Time Zone Adjustment

To adjust for different time zones (± 12 hours):

1. In normal time display mode, press and hold the **SET** button until the hour digits flash.
2. Press **SET** repeatedly until the time zone offset (e.g., '00') flashes.
3. Use the **'+'** or **'-'** buttons to adjust the time zone offset.

4. Press **SET** to confirm and exit.

Operating Instructions

1. Reading Temperature

The current indoor and outdoor temperatures are continuously displayed on the base station's screen.

2. Minimum/Maximum Temperature Recording

The station automatically records the minimum and maximum indoor and outdoor temperatures since the last reset.

- Press the **MIN/MAX RESET** button once to display the maximum recorded temperatures.
- Press the **MIN/MAX RESET** button a second time to display the minimum recorded temperatures.
- Press and hold the **MIN/MAX RESET** button to clear the recorded minimum and maximum values. The display will show the current temperatures, and new min/max values will begin recording.

3. Alarm Setting and Snooze Function

Setting the Alarm:

1. Press the **ALARM** button once to display the alarm time.
2. Press and hold the **ALARM** button until the alarm hour digits flash.
3. Use the **'+'** or **'-'** buttons to adjust the alarm hour.
4. Press **ALARM** again to confirm and move to alarm minute setting.
5. Use **'+'** or **'-'** to adjust the alarm minutes.
6. Press **ALARM** to confirm and exit alarm setting.

Activating/Deactivating the Alarm:

- In normal time display mode, press the **ALARM** button repeatedly to toggle the alarm ON or OFF. An alarm icon will appear on the display when the alarm is active.

Snooze Function:

- When the alarm sounds, press any button (except **ALARM**) to activate the snooze function. The alarm will sound again after approximately 5 minutes.
- To stop the alarm completely, press the **ALARM** button when it is sounding.

4. Low Battery Indicator

A low battery icon will appear on the display when the batteries in either the base station or the outdoor sensor need to be replaced. Replace all batteries promptly to ensure continuous operation and accurate readings.

Maintenance

1. Battery Replacement

When the low battery indicator appears, replace the batteries in both the base station and the outdoor sensor. Use 2 x AA Mignon LR06 batteries for each unit. Ensure correct polarity during installation.

2. Cleaning

Wipe the units with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these may damage the display or casing. Ensure the units are dry before re-inserting batteries or operating.

Troubleshooting

Problem	Possible Cause	Solution
No outdoor temperature display or '---'	No signal from outdoor sensor; Batteries in sensor are low or incorrectly inserted; Sensor too far from base station or obstructed.	Check sensor batteries and polarity. Move sensor closer to base station. Avoid obstructions like thick walls or metal objects. Re-synchronize by removing and re-inserting batteries in both units (sensor first).
Incorrect time display	DCF-77 signal not received; Incorrect time zone setting.	Ensure base station is placed away from electronic interference. Allow time for automatic synchronization. Manually set time or adjust time zone if necessary.
Display is dim or blank	Low batteries in base station.	Replace batteries in the base station.
Alarm does not sound	Alarm is not activated; Alarm time is incorrectly set.	Ensure the alarm icon is visible on the display. Verify the alarm time setting.

Specifications

- **Model:** WS 9140-IT
- **Brand:** Technoline
- **Base Station Dimensions (L x W x H):** 73 x 25 x 158 mm
- **Outdoor Sensor Dimensions (L x W x H):** 38 x 21 x 128 mm
- **Base Station Power:** 2 x AA Mignon LR06 batteries (not included)
- **Outdoor Sensor Power:** 2 x AA Mignon LR06 batteries (not included)
- **Indoor Temperature Range:** -10°C to +40°C
- **Outdoor Temperature Range:** -40°C to +60°C
- **Transmission Frequency:** 868 MHz
- **Transmission Distance:** Up to 100 meters (open field)
- **Special Features:** DCF-77 Radio-controlled clock, Manual time setting option, Time zone adjustment (± 12 h), MIN/MAX temperature memory, Alarm with snooze function, Low battery indicator, Wall mount or table stand.
- **Material:** Plastic

Figure 3: The Technoline WS 9140-IT base station can be wall-mounted for convenient viewing.

WARRANTY AND SUPPORT

Specific warranty information and detailed support contacts are not provided in the product data. For warranty claims or technical assistance, please refer to the documentation included with your purchase or contact the retailer where the product was acquired. You may also visit the official Technoline website for general support information.