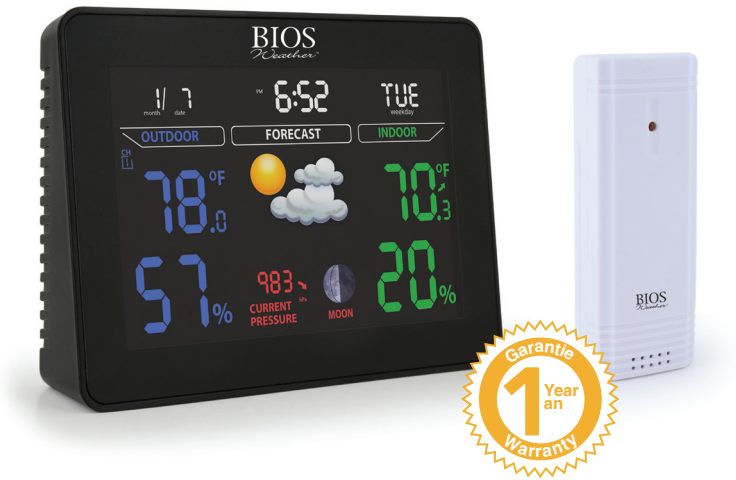
101mm

152mm

BIOS Weather

Wireless / Sans fil

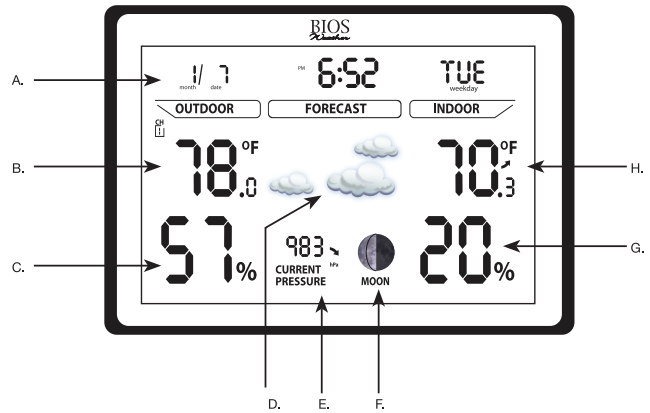
Instruction Manual
Mode d'emploi



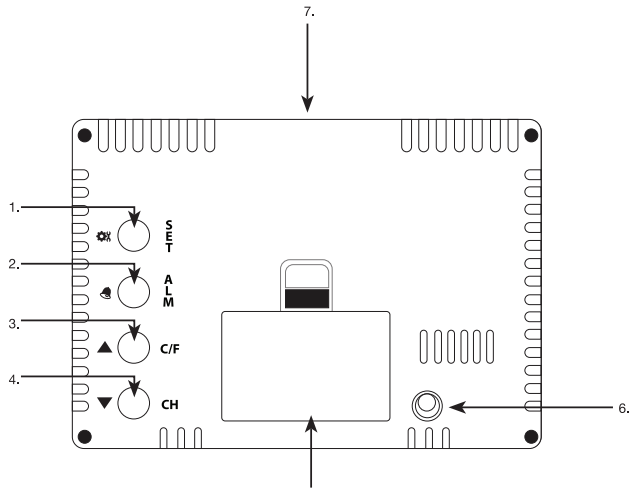
Canada's Source for Weather Instruments Since 1934
Source canadienne pour les instruments météorologiques depuis 1934

Colour Weather Station
Station météorologique couleur

Monitor Front



Monitor Back



Colour Weather Station

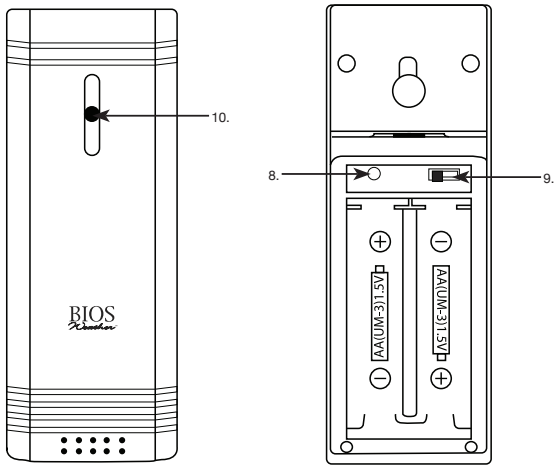
Monitor Front:

A. Date and Time
B. Outdoor Temperature
C. Outdoor Humidity
D. Forecast Icon
E. Barometric Pressure
F. Moon Phase
G. Indoor Humidity
H. Indoor Temperature

Monitor Back:

1. **SET** Button
2. **ALARM** Button
3. ▲ / **CF** Button
4. ▼ / **CH** Button
5. Battery Compartment
6. Adapter Port
7. **SZN/LIGHT** Button

Outdoor Sensor



Remote Sensor:

8. **TX** Button
9. Channel 1, 2, 3 Slide Switch
10. Transmission Indication LED

1.0 Care of the Device

- Avoid exposing units to extreme temperatures or severe shock.
- Avoid contact with any corrosive materials such as perfume, alcohol or cleaning agents.
- Do not subject the units to excessive force, shock, dust, temperature or humidity. Any of these conditions may shorten the life of the units.
- Do no tamper with any of the internal components of these units. This will invalidate the warranty and may cause damage.
- Damage caused by failure to comply with this instruction manual will invalidate any warranty. The manufacturer and supplier will not be held liable for any damages due to failure to comply with this instruction manual.
- In case of harm or damage to a person or property caused by improper handling or failure to comply with this instruction manual, the manufacturer and supplier cannot be held liable.
- This product is not to be used for medical purpose or for public information.

1.1 Correct Usage of Batteries

- Do not mix standard and rechargeable batteries.
- Do not mix new and old batteries.
- When the low battery symbol appears on the display, replace all batteries with new ones.
- Do not leave discharged batteries in the device as these may corrode and release chemicals that may damage the unit.

2.0 Setup Procedure

1. Remove the battery cover from the remote sensor.
2. Insert the adapter into an outlet then into the monitor.
3. Move the **CH** slide switch on the back of the remote sensor to channel 1. Next insert 2 x AA batteries, according to the correct polarity into the remote sensor.
4. The transmission indication LED will flash on the remote sensor indicating that the signal has been sent to the monitor. Once the signal is received, the dashes (--.-°C) on the monitor for channel 1 will change to the current outdoor temperature and humidity.
5. If after 3 minutes the screen does not change to show the outdoor temperature and humidity, press the **CH** button on the monitor to select the channel you would like to reset, CH1, CH2 or CH3 will flash.
6. Press and hold the **CH** button to select it. The monitor will now attempt to search for the signal for another 3 minutes. Press the **TX** button on the back of the remote sensor to force the sensor to send out another transmission signal to the monitor.
7. Position the monitor and remote sensor within effective transmission range, which in usual circumstances is 30 metres (100 feet). The range is affected by the building materials and where the monitor and remote sensor are positioned; try various locations for the best results.

NOTE: The remote sensor can be placed outdoors or inside your home in different rooms. The remote sensor should be placed in a shaded area for accurate readings.

2.1 RF Reception Icon

The RF icon is located next to OUTDOOR on the screen. While syncing the monitor and outdoor sensor together, the RF icon will show the signal strength.

Lowest signal strength — Highest signal strength

If communication between the outdoor sensor and monitor is successful the RF icon will show maximum signal strength. If communication failed or signal is lost for more than 1 hour, the RF icon will flash and display as "▼".

2.2 Displaying Different Channels

This unit has the capability of receiving measurements from multiple remote sensors. If you have registered more than one remote sensor, press the **CH** button on the monitor to select the outdoor sensor channel you want to display permanently. Press and hold the **CH** button if the outdoor temperature and humidity needs to be reset. The outdoor temperature and humidity of that particular channel will reset and display dashes (--.-°C and --%). After a few minutes the outdoor sensor will send a transmission to the monitor, and then the current temperature and humidity should once again be displayed on the monitor.

2.3 Troubleshooting

If the outdoor temperature cannot be received, check:

1. The distance between the monitor or remote sensor should be at least 1.2 metres (4 feet) away from any interfering sources such as computer monitors or TV sets.
2. Avoid placing the monitor onto or in the immediate proximity of metal window frames.
3. Using other electrical products such as headphones or speakers operating on the same frequency (433MHz) may prevent correct signal transmission and reception.
4. Neighbours using electrical devices operating on the 433MHz signal frequency can also cause interference.
5. Signals from other household devices, such as door bells and home security systems, may temporarily interfere with the units and cause reception failure. The transmission and reception of temperature reading will resume once the interference has stopped.

The maximum transmission range is 30 metres (100 feet) from the remote sensor to the monitor (in open space). However, this depends on the surrounding environment and interference levels. The temperature signal travels in a straight line from the remote sensor to the monitor. The signal will not curve around an object. If no reception is possible despite the observation of these factors, all units will have to be reset.

3.0 Mounting

CAUTION: Great care must be taken when mounting the components. The manufacturer/ supplier cannot be held liable for personal or property damage when setting up the components. Please use caution when choosing a mounting point.

Prior to drilling mounting holes and permanently affixing any of the units, please ensure the following points are considered:

1. Signal from the remote sensor can be received by the monitor at mounting point.
2. Make sure the remote sensor is easily accessible. You will have to periodically replace batteries.

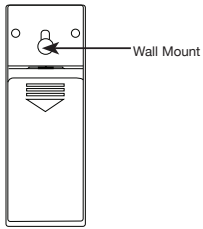
3.1 Monitor

The monitor can be placed on any flat indoor surface.

3.2 Installing the Remote Sensor

To prevent temperature interference, place the remote sensor away from direct sunlight, air conditioning, and heater vents. The remote sensor is designed to be splash proof; never immerse into water or expose to heavy rain.

NOTE: The temperature signal travels in a straight line from the remote sensor to the monitor. The signal will not curve around an object. Please take this into consideration when mounting the remote sensor.
The remote sensor can be placed on any flat surface or mounted on a wall.



4.0 Calendar and Clock Setup

1. Press and hold the **SET** button. Time zone will begin to flash.
2. Press the ▲ or ▼ button to toggle to the correct time zone.
3. Press the **SET** button to confirm.
4. DST and ON or OFF will flash. Press ▲ or ▼ button to select Daylight Savings Time to be ON or OFF. Press the **SET** button to confirm.
5. 12/24 hour will begin to flash. Follow steps 2 and 3 to set the correct 12/24 hour format, hour, minutes, year, month, day, and barometer units.

5.0 Setting Alarm Time

1. Press the **ALARM** button once to enter alarm mode. ALM will be displayed in the top right corner of the screen.
2. Press the **ALARM** button again to activate or deactivate the alarm. When the alarm is activated will be displayed beside the hour digit.
3. Press and hold the **ALARM** button. The hour digit will begin to flash.
4. Press the ▲ or ▼ button to set the hour.
5. Press the **ALARM** button to confirm. The minute digits will begin to flash.
6. Press the ▲ or ▼ button to set the minutes.
7. Press the **ALARM** button to confirm. The clock will automatically return to regular mode.
8. When the alarm sounds press the **SZN/LIGHT** button, the alarm will sound again in approximately 10 minutes. To turn off the alarm firmly press any other button, when alarm sounds.

6.0 °C/°F Switchable

The default measurement for temperature is °C, press the ▲ / **CF** button to toggle between °C and °F.

7.0 Backlight

Press the **SNZ/LIGHT** button to turn the backlight on for a few seconds. To permanently have the backlight on, use the adapter included with the unit.
Note: When using the adapter, you can adjust the brightness of the screen by pressing the **SNZ/LIGHT** button.

8.0 Weather Forecast

The forecast function in the weather station is based solely on barometric pressure and trend recordings of general weather conditions associated with various pressure levels. It therefore has

a limited ability to forecast for the multitude of specific conditions it will encounter. It provides a general forecast of weather changes in the same way a wall barometer forecasts changes in weather, however it does record and account for trends that influence the forecast icon.

There are 5 weather forecast icons:

9.0 Moon Phase

The moon phase icon changes according to the date that is set.

10.0 Trend Arrows for Temperature and Barometric Pressure

Trend Arrow	Temperature	Barometric Pressure
↗	When temperature increases by 1°C / 2°F	When pressure rises by 2 hPa within 1 hour
→	No change	No change
↘	When temperature decreases by 1°C / 2°F	When pressure falls by 2 hPa within 1 hour

11.0 Product Specifications

Temperature Measuring Range	
Monitor	0°C to 50°C with ±1°C resolution 32°F to 122°F with ±2°F resolution
	When temperature is above 50°C (122°F) monitor will display maximum temperature (50°C / 122°F) When temperature is below 0°C (32°F) monitor will display minimum temperature (0°C / 32°F)
Remote Sensor	-40°C to 60°C with ±1°C resolution -40°F to 140°F with ±2°F resolution
	When temperature is above 60°C (140°F) monitor will display maximum temperature (60°C / 140°F) When temperature is below -40°C (-40°F) monitor will display minimum temperature (-40°C / -40°F)
Accuracy	±2°C (±4°F)
Humidity Measuring Range	
Monitor	20% - 99% RH
Remote Sensors	20% - 99% RH

Accuracy	±5% RH (between 30% RH and 80% RH) ±8% RH (between 20% RH and 29% RH, 80% RH and 99% RH)
Temperature & Humidity Checking Interval	
Monitor	30 seconds
Remote Sensor	1 minute
Power Source	
Monitor	3 x AAA batteries, 1.5V or AC adapter
Remote Sensor	2 x AA batteries, 1.5V (using lithium batteries during the cold months is recommended)

12.0 Limited One Year Warranty

If this product proves to be defective in material or workmanship within one year of purchase, please return it to the address below. It will be repaired or replaced without charge upon receipt of the unit prepaid with $5.00 to cover handling, packaging and return postage. Please include proof of purchase, your full name, address, daytime phone number or email address.

This warranty does not apply if the defect or malfunction is a result of user abuse, misuse, alteration or modification.

Thermor Ltd.
16975 Leslie Street
Newmarket, ON L3Y 9A1
1-800-387-8520

13.0 Industry Canada Statement

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.