Colour Weather Station
399BC
Instruction Manual

Features:

- LCD color screen
- Time, Calendar display
- Weekday display in 7 Languages: English, German, French, Italian, Dutch, Spanish, Danish
- 12/24 hour selection
- Temperature display (°C/°F)
- 2 sets of alarms, AL1 and AL2
- 6 dynamic weather icons (sunny, sunny to cloudy, cloudy, light rain, heavy rain, snow)
- Indoor temperature range: 0°C-50°C/32°F-122°F (accuracy ±1°C) (display range: 0°C-50°C/32°F-122°F)
- Indoor humidity range: 25%-95% (accuracy ±5%) (display range: 20%-99%)
- Outdoor temperature range: -35°C-60°C /-31°F-140°F (accuracy ±1°C) (display range: -40°C-70°C/-40°F-158°F)
- Outdoor humidity range: 25%-95% (accuracy ±5%) (display range: 20%-99%)
- Indoor and outdoor maximum and minimum temperature alarm
- Radio Frequency (RF) outdoor temperature and humidity
- Outdoor sensor has 3 channel capability
- Atmospheric pressure
- Moon phase display
- SNOOZE function (default 5 minutes, minimum 3 minutes, maximum 20 minutes)
- Low battery indicator for monitor and sensor
- Humidity comfort scale
- Battery powered 8-second backlight
- Adjustable Backlight brightness (high, medium, off)

Setup Procedure:

1. Insert batteries into the monitor first.
2. Place the monitor as close as possible next to the remote sensor. Before inserting the batteries into the sensor ensure the correct channel is selected, then insert the batteries into the remote sensor.
3. The remote sensor will send a signal to the monitor. Once the signal is received, the dashes (--.-°C) on the monitor will change to the current outdoor temperature.

NOTE: If after 5 minutes the screen does not change to show the outdoor temperature, remove all batteries for both units and insert again, starting with the monitor.

4. Position the monitor and remote sensor within the transmission range; 50 meters (164.5 feet).
5. The range can be affected by the building materials and where the monitor and remote sensor are positioned; try various locations for the best results.

NOTE: The remote sensors should be placed outdoors in a shaded area for accurate readings.

How to Set the Time:

1. Hold down the **TIME** button for 2 seconds until the hour flashes.
2. Use **UP** or **DOWN** buttons to set the hour.
3. Press **TIME** again to set minutes, then adjust with **UP** or **DOWN**.
4. Repeat for year, month, day, and language.
5. Settings save automatically when done.

Quick Adjustments:

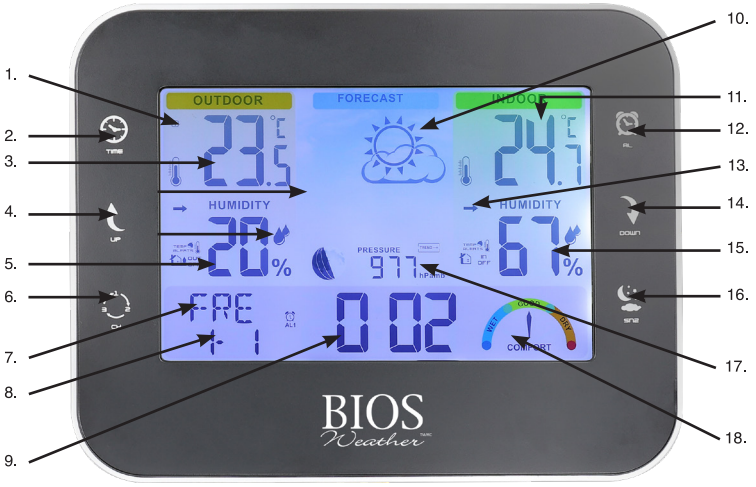
- **UP** increases the value (hold for fast changes).
- **DOWN** decreases the value (hold for fast changes).

How to Set the Alarm:

1. In standard mode, press the **TIME** button to switch to **AL1** or **AL2** alarm display. The default value for **AL1** is 6:00. The default value for **AL2** is 0:00.
2. In **AL1** mode, long press the **TIME** key to enter the **AL1** setting: Setting sequence: **AL1** hour **-> AL1** minute **->** Exit.
3. Press the **UP** button, to increase by one, hold for more than 2 seconds for fast changes. Press the **DOWN** button to decrease by one, hold for more than 2 seconds for fast changes.
4. Set the result, press the **TIME** key to determine.

When the key is not operated within 10 seconds, the setting mode will automatically exit, and the set value will be saved.
The **AL2** alarm clock is set in the same sequence as the **AL1** alarm clock.

1. Channel Indicator
2. Time
3. Outdoor Temperature
4. Up Button
5. Outdoor Humidity
6. Channel Button
7. Weekday
8. Day/Month
9. 12/24 Hour Time
10. Forecast Icons
11. Indoor Temperature
12. Alarm Button
13. Trend
14. Down Button
15. Indoor Humidity
16. Snooze/Light Button
17. Barometric Pressure
18. Humidity Comfort Scale



Button Functions:

TIME:

- In standard mode, press to cycle through: **Time -> AL1 -> AL2**.
- In time mode, press and hold to enter time and calendar settings: **Hour -> Minute -> Year -> Month -> Day -> Week Language -> Exit**.
- In **AL1 mode**, hold to enter **AL1 settings**: **Hour -> Minute -> Exit**.
- In **AL2 mode**, hold to enter **AL2 settings**: **Hour -> Minute -> Exit**.

ALARM:

- In time mode, press to cycle through alarm status: **AL1 on -> AL2 on -> Both on -> Both off**.

UP (°C/°F):

- In time mode, press to switch between **°C** and **°F**.
- In **setting mode** (time, calendar, temperature alarm, snooze), press to move forward by 1.
- Press and hold the UP button for 3 seconds to switch atmospheric pressure unit InHg or hPamb.

DOWN (12/24H):

- In **time mode**, press to switch between **12H** and **24H** display.
- In **setting mode** (time, calendar, temperature alarm, snooze), press to move back by 1.

CHANNEL:

- Press to cycle through outdoor channels: **CH1 -> CH2 -> CH3** or auto cycle mode.
- Hold to re-register the outdoor temperature signal.

SNOOZE/LIGHT:

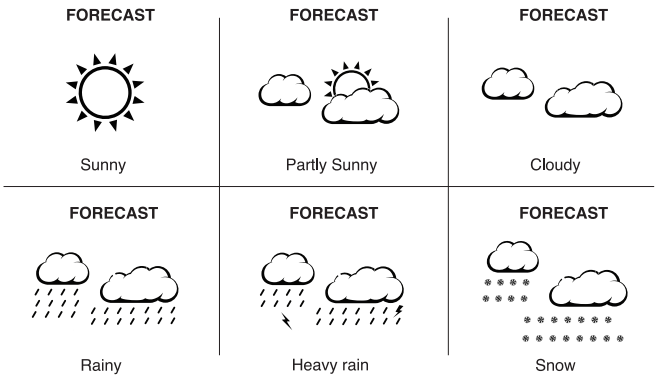
- In standard mode, press to adjust backlight brightness:
  - **Plugged in: High -> Medium -> Off** (repeats).
  - **Battery-powered: High -> Medium** (repeats).
- Hold to enter snooze interval settings:
  - **Default:** 5 minutes.
  - **Range:** 3 to 20 minutes.
- During an alarm, press to activate snooze.

Alarm ON/OFF:

In time mode, press the **ALARM** button to enable or disable the alarm in the following sequence:
AL1 on **-> AL2** on **->** Both **AL1** and **AL2** on **->** Both **AL1** and **AL2** off

In the **SNOOZE** state, when powered by batteries, press the **snz** button to turn on the backlight for 8 seconds. When powered by a USB cable, press the snooze button to adjust the brightness. Press other keys to stop the current snooze and end the current **ALARM** function at the same time. In the **SNOOZE** state, the corresponding **ALARM** symbol and snooze symbol flash at the same time.

Weather forecast:



Weekday Chart:

	GER	ENG	DAN	SPA	DUT	ITA	FRE
	GERMAN	ENGLISH	DENMARK	SPANISH	NETHERLANDS	ITALIAN	FRENCH
SUNDAY	SON	SUN	SON	DOM	ZON	DOM	DIM
MONDAY	MON	MON	MAN	LUN	MAA	LUN	LUN
TUESDAY	DIE	TUE	TIR	MAR	DIN	MAR	MAR
WEDNESDAY	MIT	WED	ONS	MIE	WOE	MER	MER
THURDAY	DON	THU	TOR	JUE	DON	GIO	JEU
FRIDAY	FRE	FRI	FRE	VIE	VRI	VEN	VEN
SATURDAY	SAM	SAT	LOR	SAB	ZAB	SAB	SAM

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.

Air Pressure:

- Air pressure detection interval: 60 minutes
- Air pressure has Trend Indicator

NOTE:
hPa (hectopascal) **mb** (millibar) - Normal air pressure at sea level is about 1013 hPa.
InHg (inches of mercury) - Normal atmospheric pressure at sea level is about 29.92 InHg.
When the air pressure is higher it usually means clearer, calmer weather.
When the air pressure is lower it often brings clouds, wind or storms.

The Moon Phase:

The moon phase is affected by the year, month, and day.

Comfort Scale:

- **Dry**: when humidity is under 40%
- **Good**: humidity between 40% and 70%
- **Wet**: humidity more than 70%

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 NOT** tamper with any of the internal components of these units. This will invalidate the warranty and may cause damage.

Resetting:

- To reset and re-register a channel, press and hold the “Channel” button for 2 seconds.
- If a registered channel doesn’t receive a valid signal with the same ID within 60 minutes, it will show “--.-” and try to receive the signal again for 3 minutes (but only from previously registered IDs).

Synchronization times:
- CH1: every 57 seconds
- CH2: every 67 seconds
- CH3: every 79 seconds
- The device starts receiving signals 1.5 seconds before each scheduled sync time and stops after receiving successfully or after 3 seconds.
- Frequency range: 50MHz / 164.5 ft.

Industry Canada/FCC Statement:

This device complies with Part 15 of the FCC Rules. 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.
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

NOTE: This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

IC warning:

This device contains licence-exempt transmitter(s)/receiver(s)/ that comply with Innovation Science and Economic Development Canada’s licence-exempt RSS(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.
Radiation Exposure: This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment; To maintain compliance with IC’s RF Exposure guidelines. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

One Year Warranty:

This Colour Weather station has a 1 year warranty to be free of manufacturing defects in materials and workmanship under normal applications for 1 year. If this product becomes inoperable due to defect, return the product with all component pieces and proof of purchase to the address listed below. This warranty does not cover any shipping/transport costs.
This warranty does not apply if the product is subject to misuse, neglect, rough handling or damage.

Ship the unit prepaid and insured (at owners option) to:
Thermor Ltd.
Attn: Returns Department
16975 Leslie Street
Newmarket, ON L3Y 9A1
www.biosmedical.com
Email: support@biosmedical.com

Paper
Papier

BIOS | Medical
MANUFACTURED BY/FABRIQUÉ PAR :
THERMOR LTD.
16975 LESLIE STREET
NEWMARKET, ON L3Y 9A1
MADE IN CHINA/FABRIQUÉ EN CHINE
WWW.BIOSMEDICAL.COM
100% Canadian Owned & Operated
Propriétaire-exploitant canadien à 100 %