

# WEATHER STATION

with Thermometer and Hygrometer

**3** OUTDOOR  
SENSORS



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to download the  
**USER MANUAL**  
in different languages  
and **SOFTWARE**



**TUTORIAL VIDEO ON HOW TO USE**



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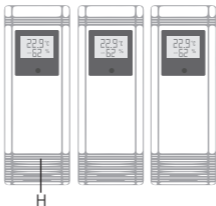
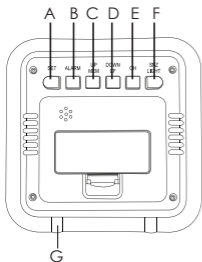


[www.cd50.net/46](http://www.cd50.net/46)

# WEATHER STATION

## Main Features:

- Time display in English
- Time display as hour and minute
- Calendar in month and year from 2000 to 2099
- Hour in 12H/24H
- Temperature in °C/°F
- Three sensors displaying at the same time
- Indoor and Outdoor Humidity (from 20% to 95%)
- Low battery display for monitor and sensors
- Max. and Min. indoor temperature and humidity
- Max. and Min. outdoor temperature and humidity
- Alarm and Snooze function
- LED black light



- Set Button
- Alarm Button
- Up/Mem Button
- Down/°C/°F Button
- Channel Button
- Snooze/Light Button
- Stand
- Sensors

**1. Set button**

a. For setting date and time

**2. Alarm button**

a. For setting alarm & checking alarm status

**3. Up/Mem Button**

a. For adjusting the date and time in the setting mode and alarm mode  
b. For checking the maximum and minimum weather of the past 24 hours

**4. Down/ °C/°F Button**

a. For adjusting the date and time in the setting mode and alarm mode  
b. For switching Celsius or Fahrenheit unit

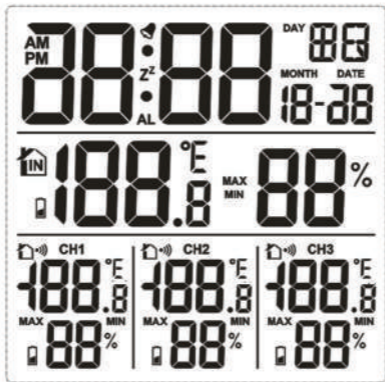
**5. Channel Button**

a. For selecting the channel and re-registering the channels under normal mode

**6. Snooze/Light Button**

a. For snoozing the alarm function while the alarm is ringing  
For turning-on the back light

**LCD Full Display**



## **Default Settings:**

- a. Time: AM 0:00
- b. Date: Jan 1st, 2016
- c. Temperature °C
- d. Alarm function off

\*\*This weather station will be reset when changing new batteries. A "BI" sound follows by the restarting of the weather station. The weather station will need two minutes to reconnect to the sensors. \*\*

## **Operations:**

### **1. Time setting**

- a. Press "Set" to enter the time setting mode
- b. Press "Up/Mem" and "Down/°C/°F" to adjust the time
- c. Press "Set" again to confirm the setting and go on for the next setting
- d. Setting order is year → month → day → hour → minute → 12/24HR → exit.
- e. Press SET to confirm setting and go on for next setting.
- f. Setting will be auto-saved once without any operation for 20 seconds

### **2. Alarm setting**

- a. Press "Alarm" once to check the alarm time
- b. Press "Alarm" once again to turn on or off the alarm function
- c. Press and Hold "Alarm" for two seconds to enter the alarm setting mode
- d. Press "Up/Mem" and "Down/°C/°F" to adjust the time
- e. Press "Alarm" again to confirm the setting and go on to the next setting
- f. Setting order is hour→minute→exit.
- g. When the alarm is on, press "Snooze" and it will repeat after five minutes. To "Snooze" for another five minutes, press "Snooze" again. Press other keys to exit alarm status.
- h. Setting will be auto-saved once without any operation for 20 seconds

#### **2.1. Turning on / off alarm**

- a. Press "Alarm" to enter the alarm mode
- b. If the alarm function is switched on, there will be an alarm icon between the time
- c. The alarm will ring when the set time comes, starting with
  - BI sounds for 1st – 10th seconds
  - BIBI sounds for 11st – 20th seconds
  - BIBIBI sounds for 21st – 30th seconds
  - BIBIBI... sounds for 31st seconds – 2 minutes

- d. The alarm will ring again after 5 minutes
- e. Press "Snz/Light" to snooze, the alarm will ring again after 5 mins
- f. Press any other key than the "SNZ/LIGHT" to turn off the alarm

## **Setting up the Weather Station**

- a. It is suggested to set all the sensors and channels before turning on the main unit.
- b. Insert the batteries and press "CH" at the back of the sensors, to set the channel 1, 2 and 3 accordingly.
- c. The channel number should appear at the left-hand-side of the humidity to indicate which channel is it using
- d. After turning on the main unit, it will automatically receive the signals from the sensors.
- e. It may take three minutes to warm up, all the data in the first three minutes may not be accurate
- f. If the main unit cannot receive the signal after three minutes, you can press and hold "CH" at the sensors or take out the batteries and repeat the previous steps from a. ~ e.
- g. The sensors will be reset after changing new batteries. Please be reminded to go through the previous steps to set up the weather station again after changing the new batteries.

## **Detail Specifications**

### **Indoor Temperature (Main Unit)**

- a. Operating Range: 0°C ~ 50°C; 32°F ~ 122°F
- b. Measure range: 0°C ~ 50°C; 32°F ~ 122°F
- c. If the operating area is higher than the range, the temperature will display "HI"
- d. If the operating area is lower than the range, the temperature will display "LO"
- e. Accuracy:
  - 40°C ~ -20°C: ± 4°C (-40°F ~ -4°F: ±7.2°F)
  - 20°C ~ 0°C: ± 2°C (-4°F ~ 32°F: ±3.6°F)
  - 0°C ~ +50°C: ±1°C (32°F ~ 122°F: ±1.8°F)
- f. Resolution: 1°C or 1°F
- g. Temperature Cycle: One minute

### **Outdoor temperature (Sensors)**

- a. Operating temperature range:  $-40^{\circ}\text{C} \sim 70^{\circ}\text{C}$  ( $-40^{\circ}\text{F} \sim 158^{\circ}\text{F}$ )
- b. Measure range:  $-40^{\circ}\text{C} \sim 70^{\circ}\text{C}$  ( $-40^{\circ}\text{F} \sim 158^{\circ}\text{F}$ )
- c. If the operating area is higher than the range, the temperature will display "HI"
- d. If the operating area is lower than the range, the temperature will display "LO"
- e. Accuracy:
  - $-40^{\circ}\text{C} \sim -20^{\circ}\text{C}$ :  $\pm 4^{\circ}\text{C}$  ( $-40^{\circ}\text{F} \sim -4^{\circ}\text{F}$ :  $\pm 7.2^{\circ}\text{F}$ )
  - $-20^{\circ}\text{C} \sim 0^{\circ}\text{C}$ :  $\pm 2^{\circ}\text{C}$  ( $-4^{\circ}\text{F} \sim 32^{\circ}\text{F}$ :  $\pm 3.6^{\circ}\text{F}$ )
  - $0^{\circ}\text{C} \sim +50^{\circ}\text{C}$ :  $\pm 1^{\circ}\text{C}$  ( $32^{\circ}\text{F} \sim 122^{\circ}\text{F}$ :  $\pm 1.8^{\circ}\text{F}$ )
- f. Resolution:  $1^{\circ}\text{C}$  or  $1^{\circ}\text{F}$
- g. Temperature Cycle: 30 seconds

### **Indoor Humidity (Main Unit)**

- a. Operating Temperature Range:  $32^{\circ}\text{F} \sim 120^{\circ}\text{F}$  ( $0^{\circ}\text{C} \sim 50^{\circ}\text{C}$ )
- b. Operating humidity range: 20% RH  $\sim$  95%RH
- c. Accuracy  $\pm 5\%$  RH (@ $25^{\circ}\text{C}$ , 30%RH  $\sim$  80%RH)
- d. Accuracy  $\pm 8\%$  RH (@ $25^{\circ}\text{C}$ , 20%RH  $\sim$  29%RH; 80%RH  $\sim$  95%RH)
- e. Resolution: 1 % RH

### **Outdoor Humidity (Sensors)**

- a. Operating humidity range: 20% RH  $\sim$  95%RH
- b. Accuracy  $\pm 5\%$  RH (@ $25^{\circ}\text{C}$ , 30%RH  $\sim$  80%RH)
- c. Accuracy  $\pm 8\%$  RH (@ $25^{\circ}\text{C}$ , 20%RH  $\sim$  29%RH; 80%RH  $\sim$  95%RH)
- d. Resolution: 1 % RH