

WIFI weather station of smart
Model:EM3371

Technical Data and Features

Base station:

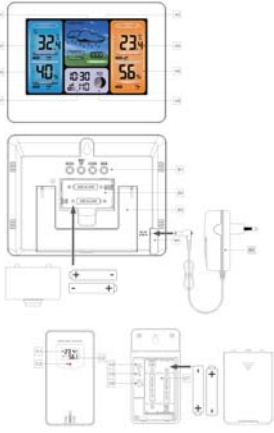
- ▶ Perpetual Calendar up to Year 2099
- ▶ Day of week in 7 languages user selectable: English, German, Italian, French, Spanish, Netherlands and Danish
- ▶ Time in optional 12/24 hour format.
- ▶ Automatic calibration of network time service
- ▶ The moon phase display
- ▶ Barometric pressure:
 - Barometric pressure measurement ranges: 600 hPa/mb to 1100 hPa/mb
17.72 inHg to 32.50 inHg
450.7mmHg to 825.2mmHg
 - Pressure alternatively in hPa/mb or inHg or mmHg
- ▶ Indoor humidity measurable range: 20%RH to 95%RH
- ▶ Indoor temperature:
 - temperature measurement ranges:-20°C to 60°C
-4°F to 140°F
 - Temperature alternatively in °C or °F.
- ▶ Minimum/maximum display for humidity and temperature
- ▶ The weather forecasting function (according to the change of air pressure)
- ▶ Connects directly to wifi network
- ▶ Power Supply:
 - Battery: 2 x LRR AA and mains adapter: DCSV 1A

Wireless Outdoor Sensor:

- Outdoor temperature measurement ranges: -40°C (-4°F) ~ 70°C (158°F)
- Outdoor measurable range: 20%RH to 95%RH
- Data transmission frequency: 433 MHz
- Wireless range: max. 80 m (open area)
- Batteries: 2 x LR03 (UM-3), 1.5 V (size AA)
- Protection class: IPX4

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Base station Appearance:



Part A-Positive LCD

A1: Weather Forecasting
A2: Barometric pressure
A3: Outdoor Temperature
A4: Indoor Temperature
A5: Outdoor Humidity
A6: Indoor Humidity
A7: Time/Calendar / Week
A8: Moon Phase

Part B – Back button and power

B1: Keypad
B2: Battery compartment
B3: Support frame
B4: Power supply socket
B5: Mains adapter

Part C –Wireless Outdoor Sensor:

C1: LCD display – Temperature
C2: LCD display – Humidity
C3: Transmit signal LED
C4: “°C/°F” button
C5: “TX” button
C6: Channel selector switch
C7: Battery compartment

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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 harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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Initial operation:

- ▶ Replace Wireless Outdoor Sensor battery compartment cover. Push the Channel selector switch in the battery compartment of the Wireless Outdoor Sensor, set the correct channel. Insert 2 x AA batteries observing polarity (“+” and “-” marks)
- ▶ When you insert the batteries, all the icon on the LCD display will briefly light up for 3 seconds, the Wireless Outdoor Sensor began to switch to the normal working mode, to detect the temperature and humidity in the environment. At this time, the sensor will transmit 1 wireless signals, and the interval of about 1 minutes will automatically transmit the 1 wireless signal, each transmitted 1 wireless signal emission sensor indicator will flash 1 times.
- ▶ According to the appearance of the Base Station icon shows that the power adapter is inserted into the socket on the Base Station, and the power adapter is connected to the power supply. After you pass on the power supply, all the symbols on the display screen will be displayed after about 3 seconds, the base station began to switch to the normal working mode, to detect the temperature, humidity and air pressure in the environment .
- ▶ The Base Station will now start to make a connection to the outdoor remote sensor. This operation takes about 3 minutes and is displayed by a flashing reception RF antenna symbol in the “OUTDOOR” display area on the receiver. the “OUTDOOR” display area will show an animation of the RF antenna symbol, indicating the base station is searching for the signal from the outdoor sensor. At the same time the base station began to establish WIFI connections (details see the following WIFI connection description)
- ▶ When the Base Station starts normal. Open the Base Station battery compartment cover . Insert 2 x AA batteries observing polarity (“+” and “-” marks). The battery is a backup power supply of the Base Station, which can ensure the normal operation of the base station after the power adapter is unexpectedly cut off.


Note: after the power adapter is disconnected, the WIFI connection of the base station will be automatically disconnected.

Outdoor sensor transmission:

- ▶ When the Base Station successfully receives signals from the wireless sensor, the temperature and humidity of the OUTDOOR are displayed on the OUTDOOR column of the Base Station.
- ▶ The base station can connect up to 3 channel wireless sensor registration, the use of multiple wireless sensor, the wireless sensor channel can not choose the same channel at the same time (a total of 1, 2, 3 channel can choose)
- ▶ Press the “DOWN” key can switch the display of different channels of outdoor temperature and humidity, when displaying the symbol “C”, will display the channel every 5 seconds automatically switch a channel
- ▶ If the Base Station failed to receive transmission from outdoor sensor (“-”display on the LCD), press and hold “DOWN” button for 3 seconds to receive transmission manually, the outdoor temperature will show an animation of the RF antenna symbol , the Base Station will re receive the wireless signal of the outdoor sensor.

Note: when the wireless sensor set up different channels, the base station “OUTDOOR” also want to switch to the same channel. When there is no wireless sensor signal transmission on the channel, “-” will be displayed in the channel of the base station

DOWNLOAD APP:



Hardware Requirements:
iPhone 4s (or above) enabled smart device

back size: 500*182mm

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Software Requirements

iOS 7 (or above) or Android 4.3 (or above)

Download APP (Living Sense)

Connect the APP Store to search “LivingSense” with the following device

iPhone(4S and later)

iPad(3rd generation and later)

iPad mini (all generations)

Download Android APP application software URL

Through the WIFI connection network

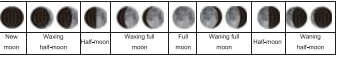
- ▶ Mobile phone to open WIFI function, to ensure that the phone and wireless router link normal. Open downloaded completed application “LIVINGSENSE”. Click on the app's “PAIR”, enter the base station and WIFI pairing process.
- ▶ After the jump screen, select the SSID Wi-Fi to establish the WIFI name of the connection, in the “Password” input password. Now press “next” to enter the next step.
- ▶ According to the phone screen prompts, Press and hold “TX” buttons located on the back side of Base station for 3 seconds until “APP” flashed on the display. Now go back to App and press “Next” to continue the setting
- ▶ Press “MODE” button to confirm your setting, the temperature is display either in °C to flash. Now use “+” and “-” buttons to set the temperature unit in °C or °F.
- ▶ Press “MODE” button to confirm your setting, the barometric pressure is display either in mbhPa to flash. Now use “+” and “-” buttons to set the pressure unit in mbhPa or inHg or mmHg.
- ▶ Press “MODE” button to confirm your setting and to end the setting procedures, enter the clock mode.

F.Y.I:

- ▶ After 20 seconds without pressing any button, the clock switches automatically from Set Mode to Normal Time Mode.
- ▶ There are 7 languages Of Weekday: English, German, Italian, French, Spanish, Dutch and Danish.

Lunar phases and tide indicator:


- ▶ The weather station has a display which automatically displays the current lunar phase



Displaying temperature/humidity/ barometric pressure and temperature/humidity trend

- ▶ The current indoor temperature/humidity/barometric pressure and the temperature/humidity trend (indoors) are shown in the LCD display.
- ▶ After successfully connecting with the outdoor sensor, the weather station can display the outdoor temperature/humidity and the temperature/humidity trend (outdoor)
- ▶ You may see the following displays:
 - The temperature/humidity is rising.
 - The temperature/humidity is remaining constant.

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 The temperature/humidity is falling.

Maximum/Minimum Temperature/Relative Humidity


- ▶ To toggle indoor/outdoor maximum, minimum temperature and humidity data, press the “MEMERY” button:
- Once to show the maximum temperature and humidity values.
- Twice to show the minimum temperature and humidity values
- Three times to return to the current temperature and humidity levels

- ▶ To reset the maximum and minimum temperature and humidity, press and hold down the “MEMERY” button about 2 seconds. This will reset all minimum and maximum data recorded to the current displayed values.

F.Y.I:

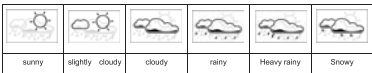
- ▶ If the temperature reading is below ranges, the LLL will be displayed. If the temperature reading is above ranges, the HHH will be displayed.
- If the battery symbol  appears the batteries in the outdoor sensor should be replaced as soon as possible.

Frost ice tips

- ▶ When the outdoor temperature is in the range of -1°C~+3°C or +30°F to +37°F, the symbol  flash display

The weather forecast:

- ▶ The weather station calculates a weather forecast for about the next 12 hours based on the barometric pressure trend. Of course this forecast can't compare to that of professional weather services supported by satellites and high performance computers, but merely provides an approximate indication of current developments. Please take the weather forecast from your local weather forecasting service into account as well as the forecast from your weather station. If there are discrepancies between the information from your device and from the local weather forecasting service, please take the advice of the latter as authoritative.
- ▶ The weather station displays the following weather symbols:

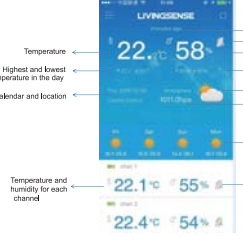


- ▶ The weather station can display the barometric pressure trend.

Background lighting

- ▶ Press the “UP” button to adjust the brightness of the backlight, you can adjust the 4 state: 3 different brightness target light and close the backlight

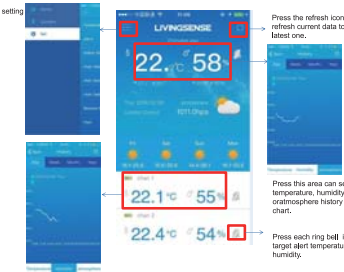
APP



Annotations for APP screenshot:

- Temperature
- Highest and lowest temperature in the day
- Calendar and location
- Last update time
- Target temperature and humidity alarm setting
- Humidity
- Highest and lowest humidity in the day
- Today weather
- Atmosphere
- Weather forecast data came from Yahoo
- Target temperature and humidity alarm setting for each channel

APP setting



Annotations for APP setting screenshot:

- Press the refresh icon can refresh current data to the latest one.
- Press this area can see temperature, humidity oratmosphere history data chart.
- Press each ring bell icon can set target alert temperature and humidity.
- Press temperature and humidity area can see each channels temperature, humidity or atmosphere history data chart.