WIFI weather station of Tuya Smart

Model:N75

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

450.1mmHg 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, connect to Tuya Smart System

▸ Power Supply:

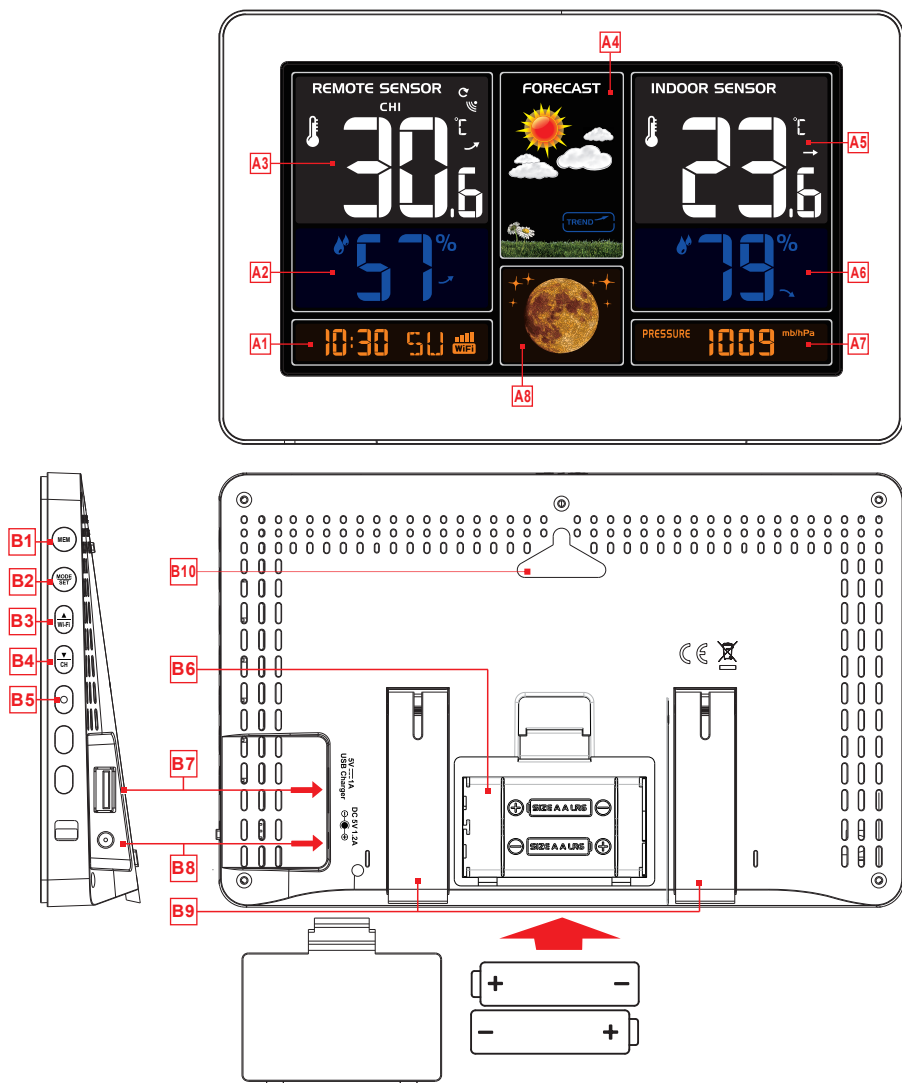Battery: 2 x LR6 AA and mains adapter: DC5V 1A

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. 60 m (open area)

— Batteries: 2 x LR6 (UM-3), 1.5 V (size AA)

— Protection class: IPX4

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Base station Appearance:

Part A-Positive LCD

A1: Time/Calendar/Weed

A2: Outdoor Humidity

A3: Outdoor Temperature

A4: Weather Forecasting

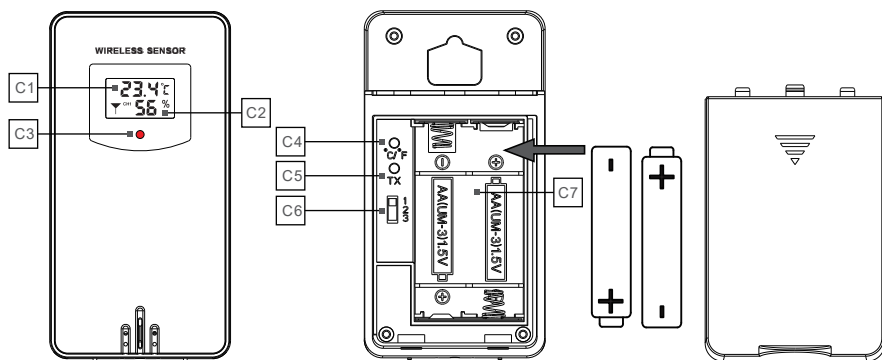# WIFI weather station of Tuya Smart

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A5: Indoor Temperature

A6: Indoor Humidity

A7: Barometric Pressure

A8: Moon Phase

Part B – Back button and power

B1: "MEM" button

B2: "MODE/SET" button

B3: "▲/WIFI" button

B4: "▼/CH" button

B5: WIFI Indicator

B6: Battery Compartment

B7: Power Supply Socket

B8: USB Charging Socket

B9: Support Frame

B10: Hanging Hole

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
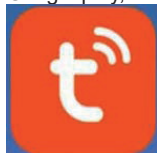
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Model:N75

Preparation before use

▶ Download Tuya Smart App:

According to the brand of the phone, search for tuya through the IOS APP Store or Android's Google play, Locate the APP with the icon below and download it.

Initial operation:

▶ Replace Wireless Outdoor Sensor battery compartment cover , push the channel selector switch inside, set the correct channel and insert 2 x AA batteries, ensuring the correct polarity ["+" and "–" marks].

▶ When you insert the batteries, all the icons on the LCD display will briefly light up for 3 seconds, the Wireless Outdoor Sensor begins 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 one minute will automatically transmit the one wireless signal, each transmitted one wireless signal emission sensor indicator will flash one time.

▶ 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 begins 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 normally, open the Base Station battery compartment cover and insert 2 AA batteries, ensuring the correct polarity ("+" and "–" marks). The batteries serve as a backup power supply, ensuring the Base Station continues to operate normally in case of an unexpected power adapter cutoff.

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

Base station and APP bonding：

▶ If the base station is plugged into the power adapter for the first time and power on, the LCD display will switch to normal display mode. The time bar will display 01　AP and WIFI icons, and

WIFI weather station of Tuya Smart
Model:N75

the AP character will flash. The WIFI indicator will flash once per second to indicate the WIFI pairing mode.

▸ After the APP download is complete, open the APP to register an account and complete the login

▸ According to the illustration, insert the power adapter into the power input interface of B8, the display screen of the main unit will show all the graphics, and a BEEP sound prompt will be issued. After 3 seconds, it will switch to the WIFI pairing mode and display "AP 01" .

▸ At this time, the APP will automatically prompt whether to join the device, click ADD.

▸ Then follow the APPinstructions, step 2: enter the WIFI network name and password, steps 3 and 4: pairing process, click NEXT, step 5: click Done, switch to the main interface of step 6, indicating that the pairing is complete.

| Step1 | step2 | step3 | step4 | step5 | step6 |
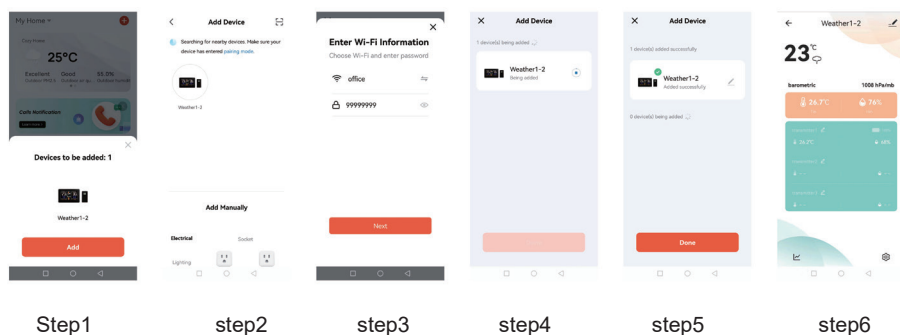
Note: The paired WIFI hotspot must be 2.4GHz, this product only supports 2.4GHz wireless network

▸ If the product does not automatically enter the AP mode when it is powered on for the first time, you can manually enter it by pressing and holding the " $\frac{WIFI}{UP}$ " key for more than 3 seconds. The display after entering manually will be the same as when automatically entering AP mode.

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 supports registration of up to 3 channels for wireless sensors. When using multiple wireless sensors, ensure each sensor is assigned a unique channel (Channels 1, 2, or 3). Avoid selecting the same channel for more than one sensor simultaneously.

▸ Press the " $\overset{\blacktriangledown}{CH}$ " key can switch the display of different channels of outdoor temperature and humidity, when displaying the symbol " ↻ ", the channels will automatically switch every 5 seconds.

▸ If the Base Station failed to receive transmission from outdoor sensor ("- -"display on the LCD),

WIFI weather station of Tuya Smart
Model:N75

press and hold the " $\overline{CH}$ " 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 need 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

Manual time setting:

▶ Press the " $\overline{SET}$ " button, can switch the display calendar or time/second or time/week

▶ Press and hold the " $\overline{SET}$ " button for 2 seconds, the 12/24 hour mode display starts to flash. Then press the " $\overline{Wi\text{-}Fi}$ " or " $\overline{CH}$ " buttons to set the correct 12/24 hour mode.

▶ Press the " $\overline{SET}$ " button to confirm your setting, the time zones start to flash. Then press the " $\overline{Wi\text{-}Fi}$ " or " $\overline{CH}$ " buttons to set a correct time zone (-12 to +12).

▶ Press the " $\overline{SET}$ " button to confirm your setting, the Hour display starts to flash. Then press the " $\overline{Wi\text{-}Fi}$ " or " $\overline{CH}$ " buttons to set the correct hour.

▶ Press the " $\overline{SET}$ " button to confirm your setting, the Minute displays starts to flash. Then press the " $\overline{Wi\text{-}Fi}$ " or " $\overline{CH}$ " buttons to set the correct minute.

▶ Press the " $\overline{SET}$ " button to confirm your setting, the Month and Date icon display starts to flash. Then press the " $\overline{Wi\text{-}Fi}$ " or " $\overline{CH}$ " buttons to set the date display on Month/Date or Date/Month.

▶ Press the " $\overline{SET}$ " button to confirm your setting, the Year display 2016 starts to flash. Then press the " $\overline{Wi\text{-}Fi}$ " or " $\overline{CH}$ " buttons to set the correct year.

▶ Press the " $\overline{SET}$ " button to confirm your setting, the Month display starts to flash. Then press the " $\overline{Wi\text{-}Fi}$ " or " $\overline{CH}$ " buttons to set the correct month.

▶ Press the " $\overline{SET}$ " button to confirm your setting, the Date display starts to flash. Then press the " $\overline{Wi\text{-}Fi}$ " or " $\overline{CH}$ " buttons to set the correct date.

▶ Press the " $\overline{SET}$ " button to confirm your setting, the language selection for the Weekday displays starts to flash. Then press the " $\overline{Wi\text{-}Fi}$ " or " $\overline{CH}$ " buttons to select a language.

Language	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
German, GE	SO	MO	DI	MI	DO	FR	SA
English, EN	SU	MO	TU	WE	TH	FRI	SA
French, FR	DI	LU	MA	ME	JE	VEN	SA
Italian, IT	DO	LU	MA	ME	GI	VEN	SA
Spanish, SP	DO	LU	MA	MI	JU	VIE	SA
Dutch, DU	ZO	MA	DI	WO	DO	VRI	ZA
Danish, DA	SO	MA	TI	ON	TO	FRE	LO

▶ Press the " $\overline{SET}$ " button to confirm your setting, the temperature is display either in °C to flash.

WIFI weather station of Tuya Smart

Model:N75

The press the "Wi-Fi" or "CH" buttons to set the temperature unit in °C or °F.

▶ Press the "MODE SET" button to confirm your setting, the barometric pressure is display either in mb/hPa to flash. The press the "Wi-Fi" or "CH" buttons to set the pressure unit in mb/hPa or inHg or mmHg.

▶ Press the "MODE SET" to confirm your setting and end the setting procedures, enter the clock mode.
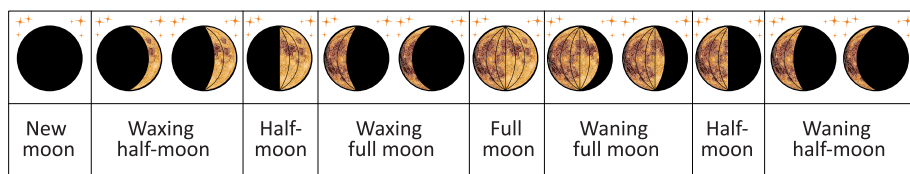
F.Y.I.:

▶ After 20 seconds without pressing any button, the clock will automatically switch from Set Mode to Normal Time Mode.

▶ There are 7 languages of Weekday: English, German, Italian, French, Spanish, Dutch and Danish.

Lunar phases:

▶ The weather station's display will automatically show the current lunar phase

New moon	Waxing half-moon	Half-moon	Waxing full moon	Full moon	Waning full moon	Half-moon	Waning half-moon

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

▶ The current indoor temperature/humidity/barometric pressure and the temperature/humidity trend (indoors) are shown on the LCD display.

▶ After successfully connecting to the outdoor sensor, the weather station displays 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.

The temperature/humidity is falling.

Maximum/Minimum Temperature/Relative Humidity

▶ To toggle indoor/outdoor maximum, minimum temperature and humidity data, press the "**MEM**" button:

Once to show the maximum temperature and humidity values.

Twice to sow 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 the "**MEM**" button for 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 **LL.L** will be displayed. If the temperature reading is above* ranges, *the **HH.H** will be displayed.*

If the battery symbol "▭" appears the batteries in the outdoor sensor should be replaced as soon as possible.
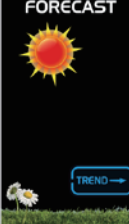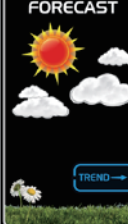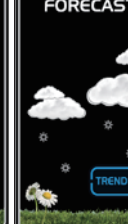
Frost ice tips

‣When the outdoor temperature is in the range of -1 to +3℃ or +30℉ to + 37℉, the symbol "❄ice" will flash.

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 icons:

FORECAST	FORECAST	FORECAST	FORECAST	FORECAST	FORECAST
sunny	slightly cloudy	cloudy	rainy	Heavy rainy	Snowy

‣ The weather station can display the barometric pressure trend.

‣ You may see the following displays:

The barometric pressure will rise.

The barometric pressure will remain constant.

The barometric pressure will fall.

Background lighting

‣ Press the "**UP**" button to adjust the brightness of the backlight, you can adjust the 4 state: 3 different brightness backlight and close the backlight

WIFI weather station of Tuya Smart
Model:N75

▶ When the power adapter of the product is disconnected, the product will switch to power by the backup battery. At this time, press any key to light up the backlight for 8 seconds

*F.Y.I.: If using battery power, WIFI will be automatically turned off*

APP interface description

▶ After the pairing is completed, the APP will automatically switch to the main interface. The product will then update the network time and report atmospheric pressure, indoor temperature and humidity, as well as the temperature and humidity of the three outdoor channels. The app interface will refresh to display the updated data.

▶ The APP can view the historical record of the reported data. Click the record icon at the bottom left to enter the historical record interface. Click the setting icon at the bottom right to make various settings. The product will change in real time according to the settings.
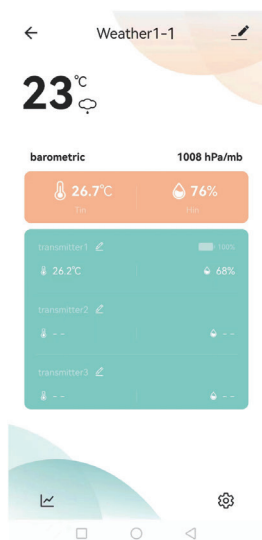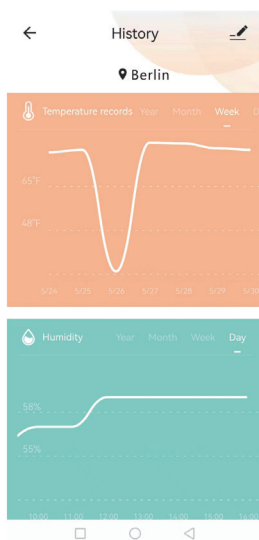
Main interface　　　　**History interface**　　　　**Setting interface**