4 Channel

Tuya Smart Temperature and Humidity Monitoring Switch

Model: 4 Channel

Introduction

This user manual provides detailed instructions for the installation, operation, and maintenance of your Tuya Smart Temperature and Humidity Monitoring Switch. This universal smart home switch allows you to remotely and automatically control devices based on temperature and humidity conditions.
It supports timed on/off functions and allows presetting temperature ranges for automated operation. The device is compatible with popular voice assistants like Amazon Alexa and Google Assistant, offering convenient control options.

Image: The main unit of the smart switch, a temperature and humidity sensor, and a smartphone displaying the control app.

What's in the Box

Please check the package contents to ensure all items are present:

- 1 x Smart Switch
- 1 x Temperature and Humidity Sensor
- 1 x Temperature Sensor

Setup

1. Physical Installation and Wiring

The smart switch supports DC 5V/7-32V input and features a 10A max high load dry contact output. Ensure power is disconnected before wiring.

1.1. Basic Power Control Wiring

This diagram illustrates how to connect the smart switch to control a basic light fixture or similar low-power device.

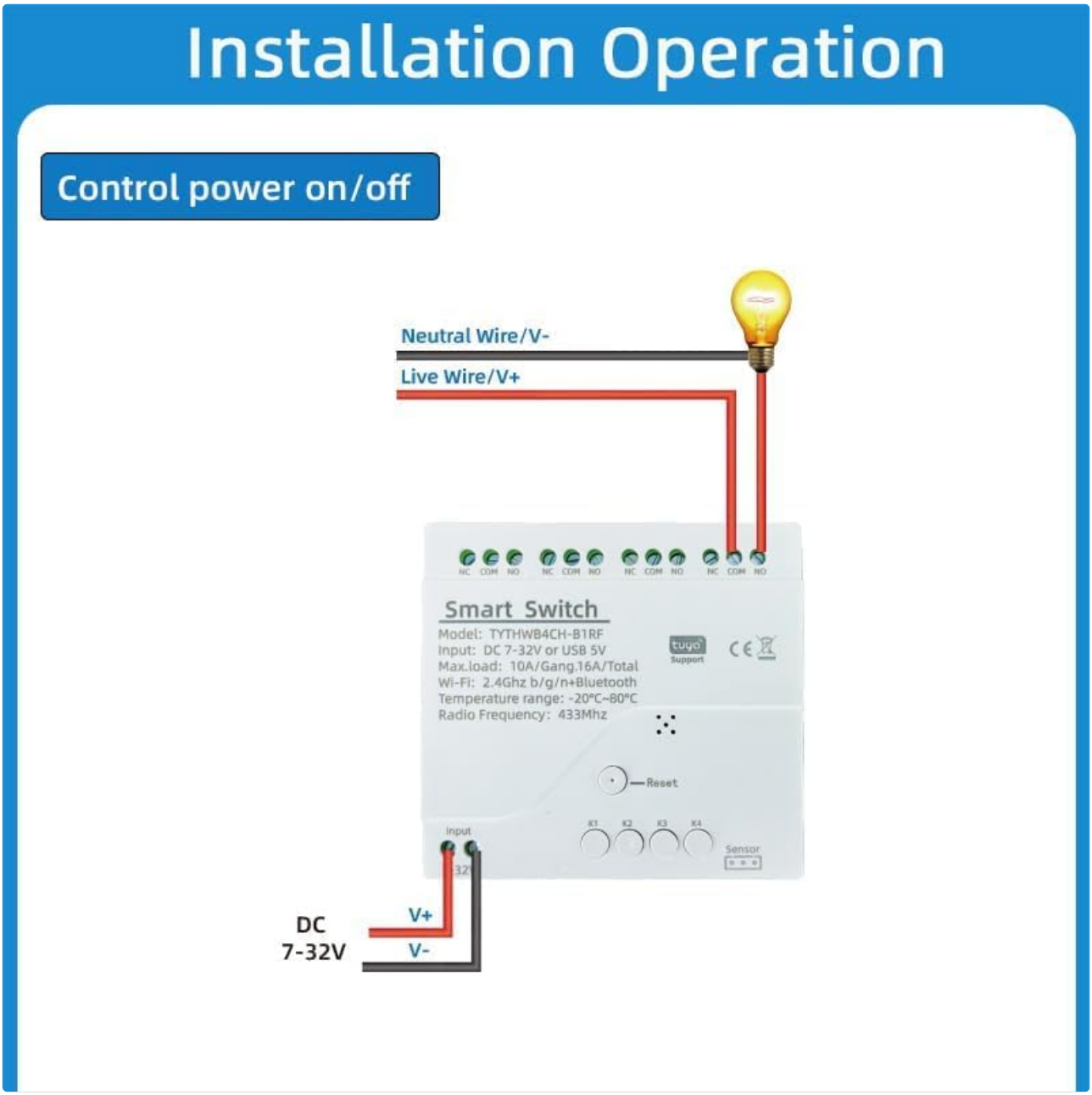

Image: Wiring diagram showing DC 7-32V input to the smart switch and its output connected to a light bulb, with neutral and live wires.

- Connect DC 7-32V power to the V+ and V- terminals of the smart switch.
- Connect the Neutral Wire/V- to one side of the load (e.g., light bulb).
- Connect the Live Wire/V+ to the other side of the load.
- Connect the output terminals (NC, COM, NO) of the smart switch to control the circuit as needed. For basic on/off, use COM and NO (Normally Open) or COM and NC (Normally Closed) depending on desired default state.

1.2. Controlling High-Power Equipment

For high-power equipment, the smart switch should be used in conjunction with a contactor. This setup ensures safe operation by using the smart switch to control the contactor, which then handles the high current load.

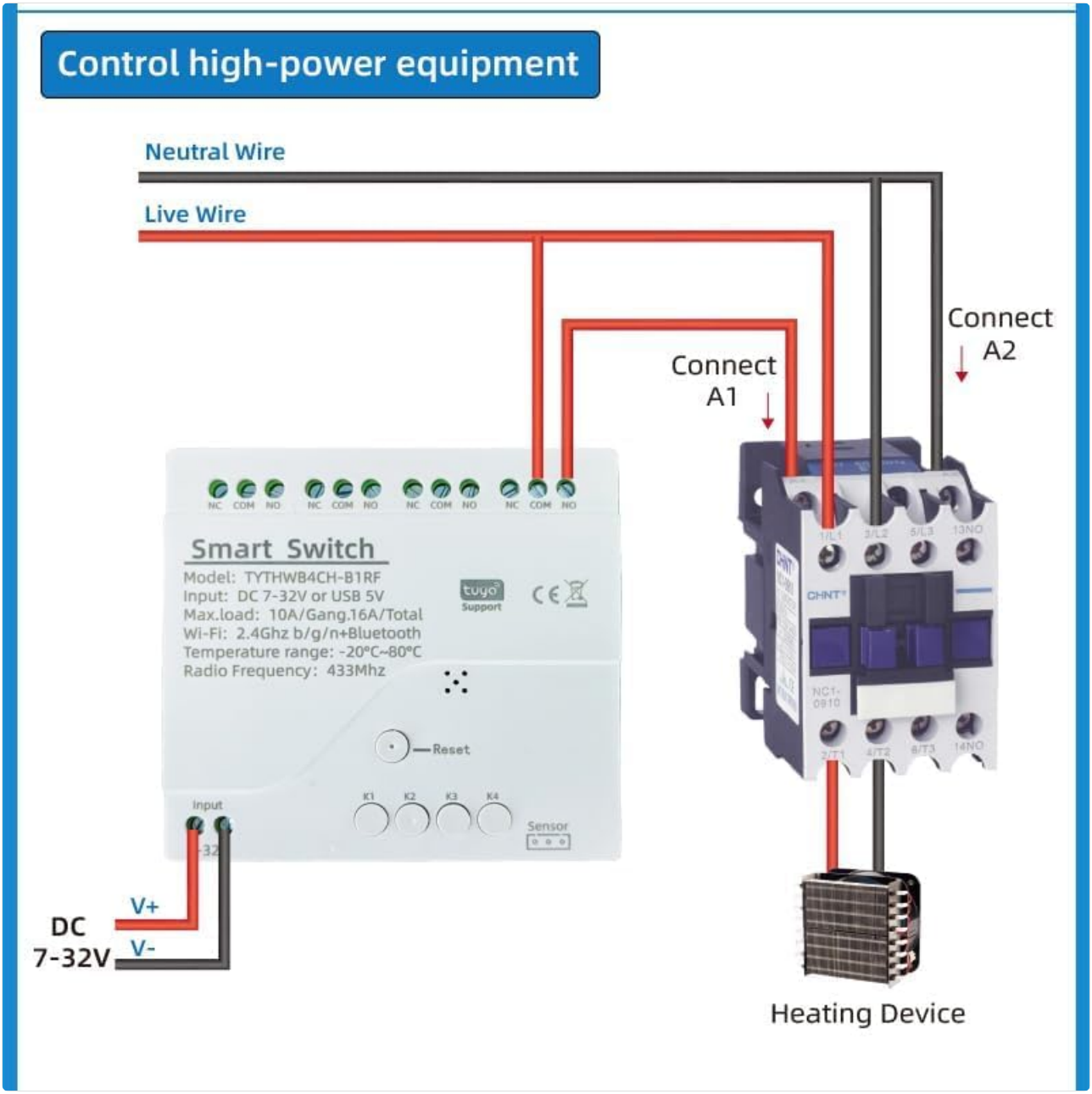

Image: Wiring diagram showing the smart switch controlling a contactor, which in turn controls a heating device. DC 7-32V input to the switch is also shown.

- Connect DC 7-32V power to the V+ and V- terminals of the smart switch.
- Connect the smart switch's output (e.g., COM and NO) to the coil terminals (A1 and A2) of the contactor.
- Wire the high-power equipment (e.g., heating device) through the main contacts of the contactor, ensuring proper live and neutral connections.

1.3. Control Button Switch Wiring

The smart switch can also be integrated with a traditional wall button switch for manual control, providing flexibility in operation.

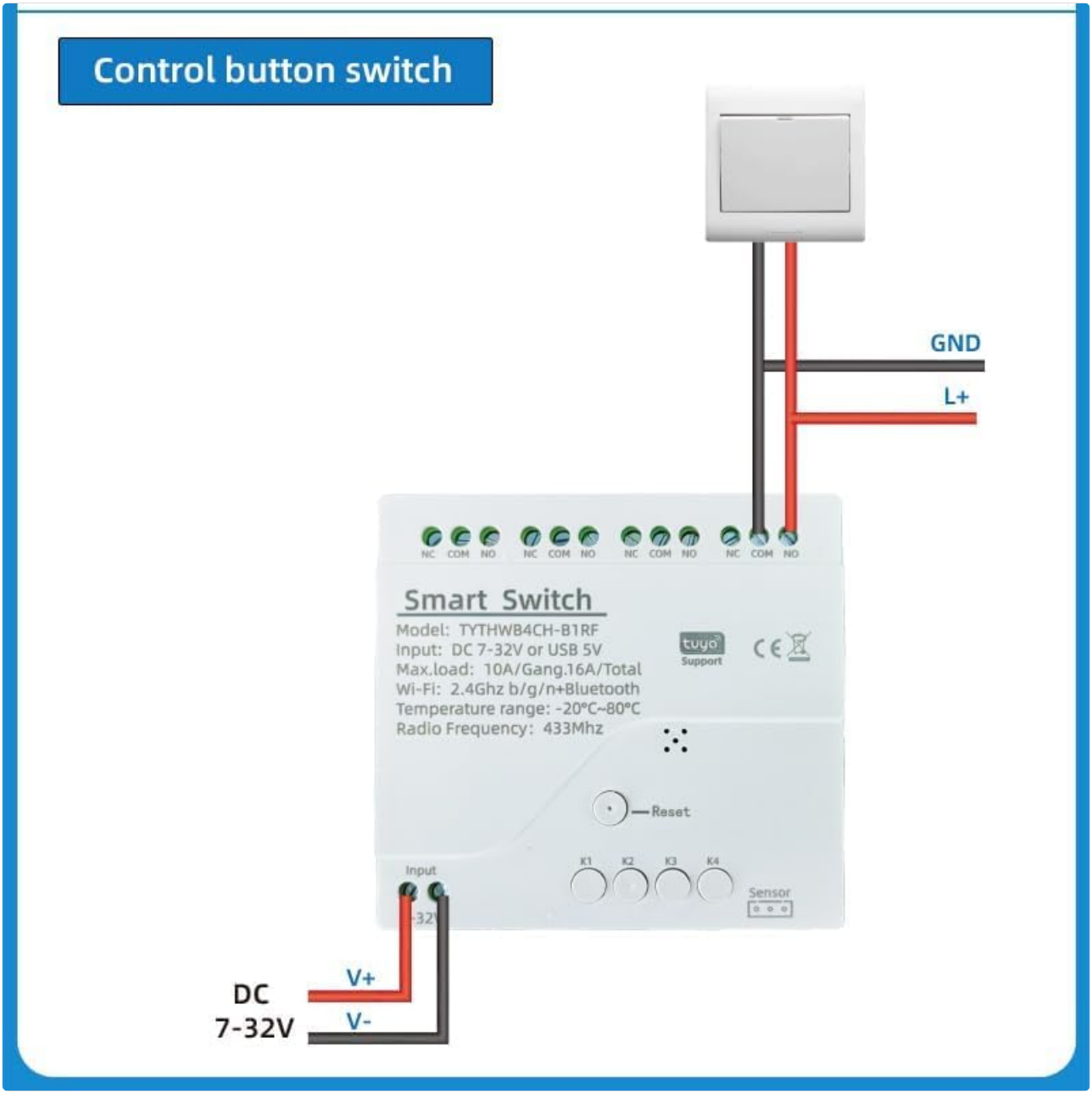

Image: Wiring diagram showing the smart switch connected to a traditional wall button switch, with DC 7-32V input.

- Connect DC 7-32V power to the V+ and V- terminals of the smart switch.
- Connect the traditional button switch to the appropriate input terminals (e.g., L+ and GND) on the smart switch, as indicated in the diagram.

2. App Installation and Pairing

The smart switch works with the Tuya Smart or Smart Life app. Download the app from your device's app store (iOS App Store or Google Play Store).

1. Download and install the "Tuya Smart" or "Smart Life" app on your smartphone.
2. Register or log in to your account.
3. Power on the smart switch. The control indicator light should blink rapidly.
4. Open the app, tap "+" to add a device, and follow the on-screen instructions to connect the switch to your Wi-Fi network. Ensure your Wi-Fi is 2.4GHz.
5. Once connected, the device will appear in your app, and you can proceed to configure it.

Operating

The Tuya Smart Switch offers multiple modes of operation:

1. Manual Control via App

You can turn devices on or off directly from the Tuya Smart or Smart Life app, anytime and anywhere, as long as you have an internet connection.

Image: A user interacting with the Tuya Smart app on a smartphone, demonstrating manual control of the switch with temperature and humidity readings.

- Open the app and select your smart switch device.
- Use the on-screen buttons (e.g., "switch") to manually toggle the connected devices.
- The app also displays real-time temperature and humidity readings from the connected sensors.

2. Automatic Control (Temperature and Humidity Monitoring)

With the integrated temperature and humidity sensors, the switch can automatically activate or deactivate connected devices based on predefined environmental conditions.

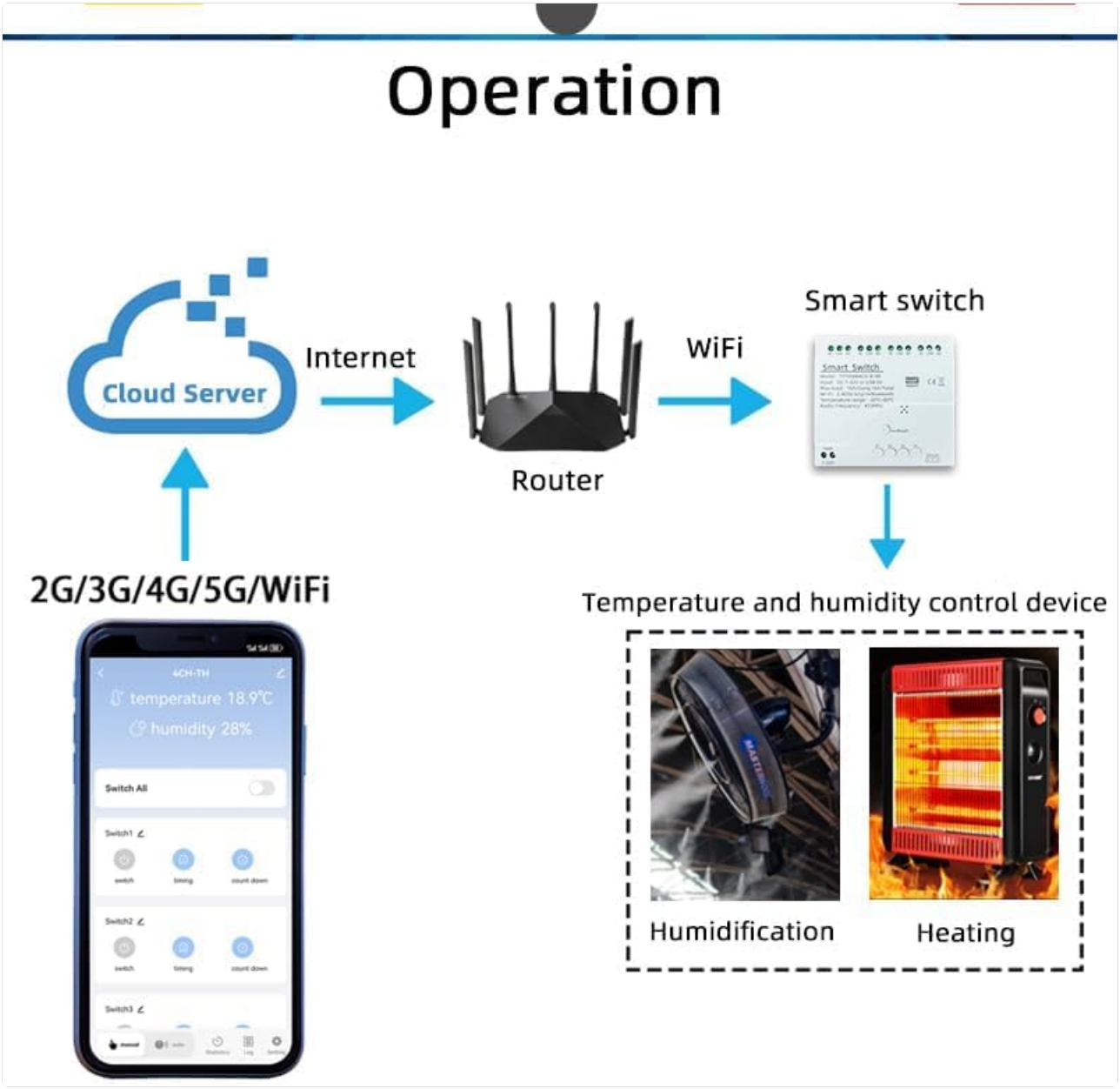

Image: Operational diagram showing how the smartphone app connects via 2G/3G/4G/5G/WiFi to a cloud server, then via router and WiFi to the smart switch, which controls temperature and humidity devices like humidifiers or heaters.

- In the app, navigate to the automation or scene settings for your device.
- Set conditions based on temperature and/or humidity ranges (e.g., "Turn on heater if temperature drops below 20°C").
- The device will then automatically operate according to these rules.
- The app provides real-time monitoring and historical data (day/month/year) for temperature and humidity.

3. Voice Control (Alexa & Google Assistant)

The smart switch is compatible with Amazon Alexa and Google Assistant for convenient voice commands.

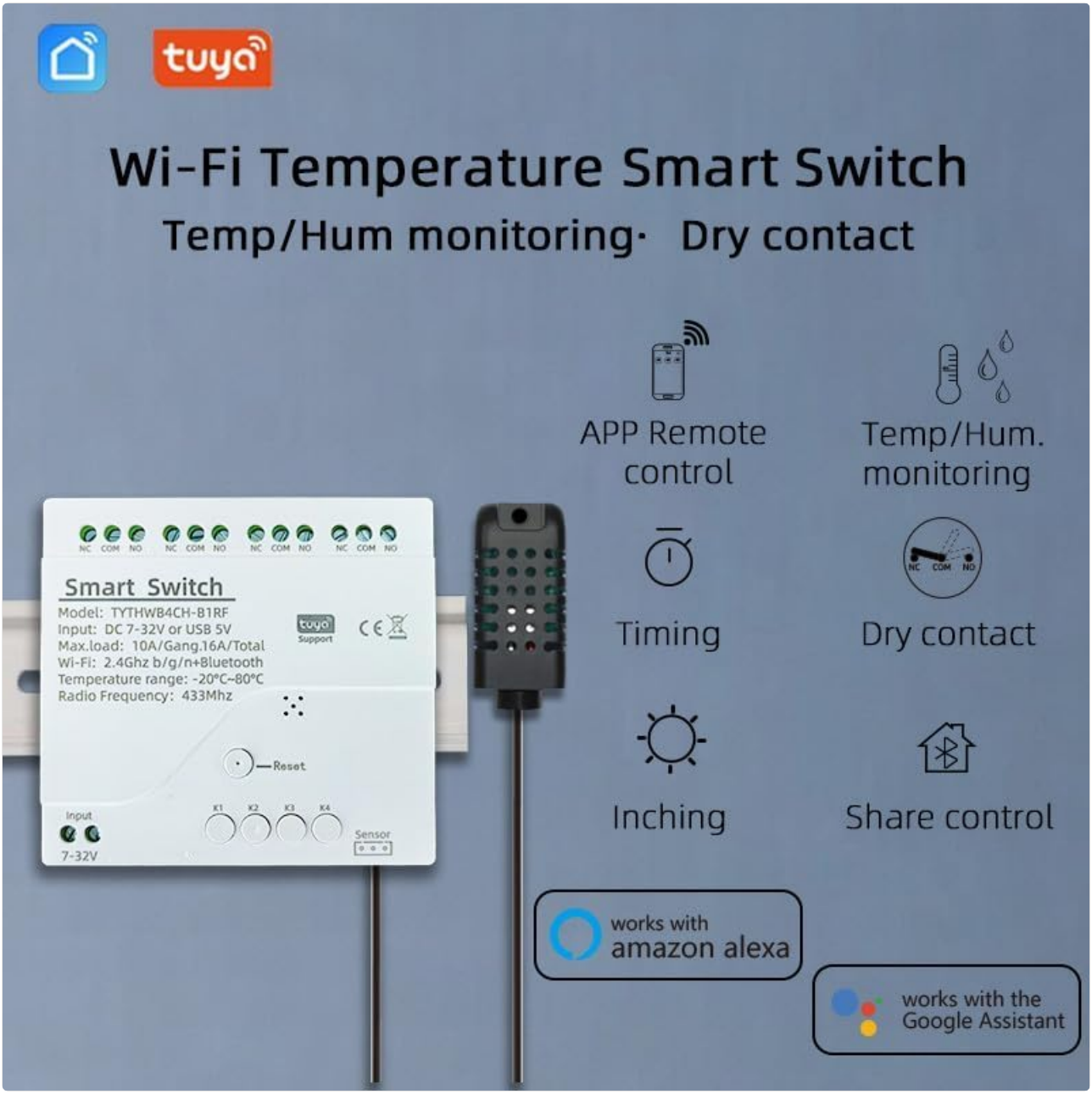

Image: A graphic illustrating the key features of the smart switch, including app control, temperature/humidity monitoring, timing, dry contact, inching, share control, and integration with Amazon Alexa and Google Assistant.

1. Ensure your smart switch is successfully paired with the Tuya Smart or Smart Life app.
2. Link your Tuya Smart/Smart Life account to your Alexa or Google Home app.
3. Once linked, you can use voice commands such as:
    - "Alexa, turn on [Device Name]."
    - "Hey Google, turn off [Device Name]."
    - "Alexa, what is the temperature in [Room Name]?"

4. Timing and Scheduling

Set schedules or timers for your devices to turn on or off at specific times, or after a countdown.

- In the app, access the "Timing" or "Schedule" function for your device.
- Create one-time, daily, or weekly schedules for automated operation.
- Use the "Countdown" feature for temporary automation.

Maintenance

To ensure optimal performance and longevity of your smart switch:

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Environment:** Keep the device in a dry environment, away from direct sunlight, extreme temperatures, and high humidity.
- **Firmware Updates:** Periodically check the Tuya Smart/Smart Life app for firmware updates to ensure your device has the latest features and security patches.
- **Sensor Care:** Handle the temperature and humidity sensors carefully. Avoid bending or damaging the sensor probes.

Troubleshooting

If you encounter issues with your smart switch, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device not connecting to Wi-Fi.	Incorrect Wi-Fi password, 5GHz Wi-Fi network, device too far from router, weak signal.	◦ Ensure you are using a 2.4GHz Wi-Fi network. ◦ Double-check the Wi-Fi password. ◦ Move the device closer to the router. ◦ Restart your router and the smart switch.
Device offline in app.	Power outage, Wi-Fi disconnected, device reset.	◦ Check if the device has power. ◦ Verify your Wi-Fi network is active. ◦ If recently reset, re-pair the device with the app.
Voice control not working.	Incorrect device name, account not linked, internet connectivity issues.	◦ Ensure the device name in the app is simple and recognizable. ◦ Verify your Tuya Smart/Smart Life account is correctly linked to Alexa/Google Home. ◦ Check your internet connection.
Temperature/humidity readings are inaccurate.	Sensor placement, damaged sensor.	◦ Ensure the sensor is placed in an area with good air circulation and away from direct heat sources or drafts. ◦ Inspect the sensor for any visible damage.

Specifications

Feature	Detail
Model Number	4 Channel
Input Voltage	DC 5V / 7-32V
Max. Load	10A / Gang, 16A / Total
Wi-Fi Standard	2.4GHz b/g/n + Bluetooth
Temperature Range	-20°C to 80°C
Radio Frequency	433MHz

Feature	Detail
Product Dimensions	7.62 x 7.37 x 2.03 cm; 131.54 Grams
Included Components	1 x Smart Switch, 1 x Temperature Sensor, 1 x Temperature and Humidity Sensor
Brand	Generic

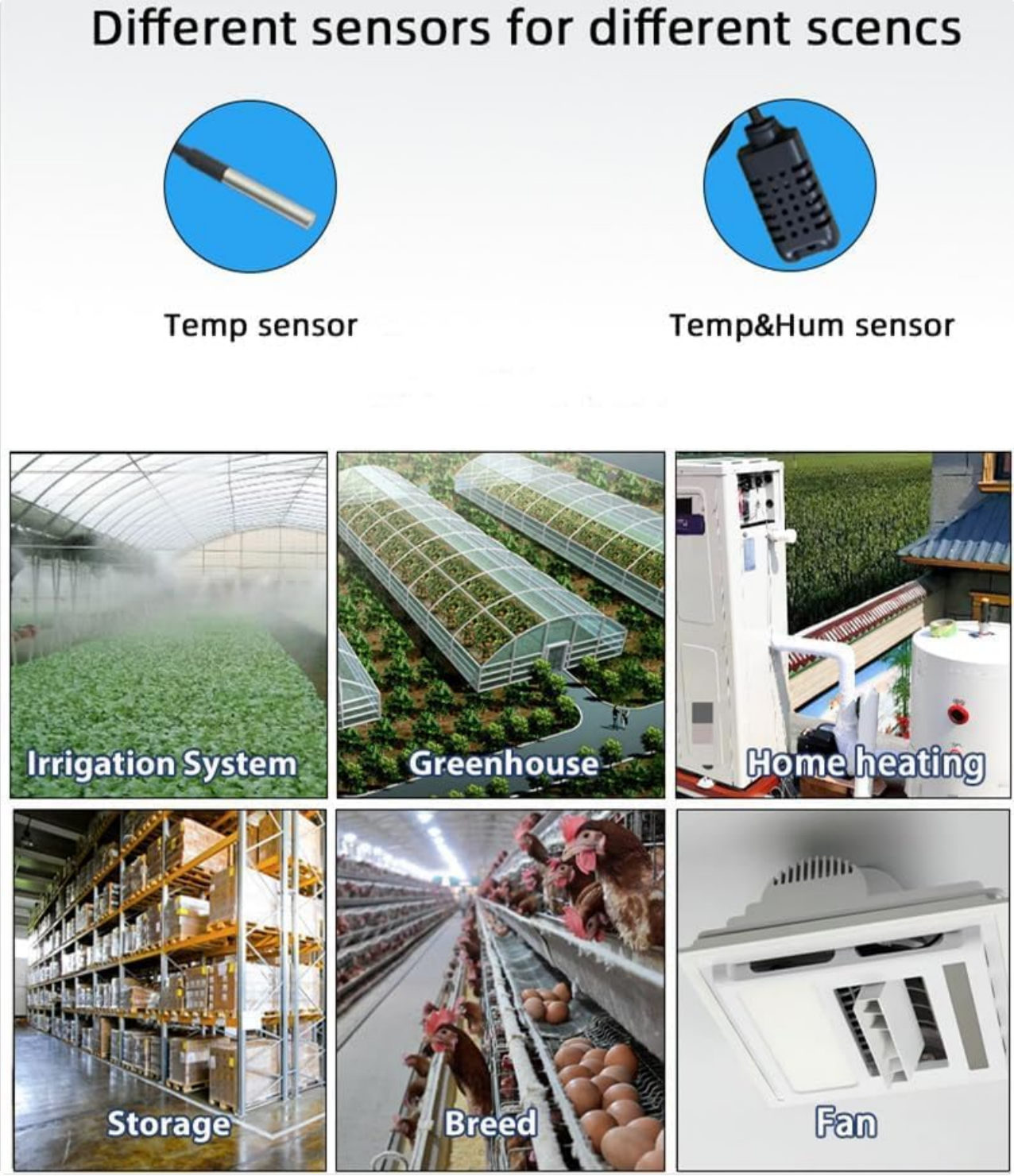

Image: Examples of different environments where the temperature and humidity sensors can be utilized, such as irrigation systems, greenhouses, home heating, storage facilities, breeding farms, and fan control.

Warranty and Support

Warranty Information

Please refer to the retailer or manufacturer's website for specific warranty terms and conditions. Typically, smart home devices come with a limited warranty covering manufacturing defects for a period of one year from the date of purchase.

Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact the seller or manufacturer directly. You can often find contact information on the product packaging or the retailer's website where you purchased the device.
For app-related issues, refer to the help section within the Tuya Smart or Smart Life application.