

Sonoff TH10/TH16 WiFi Wireless Switch

- ✦ Temperature and Humidity Monitoring
- ✦ Preset Temperature/ Humidity range
- ✦ Maximum 8 timing schedules for each added device
- ✦ Share data to ITEAD smart home devices (smart scene)



Overview

Sonoff TH16 is a wireless temperature and humidity monitoring switch which can remotely monitor and set temperature and humidity range to turn on/off connected appliances through the iOS/Android APP eWeLink. Just as the name indicates, the Sonoff TH temperature and humidity monitor device supports 16A maximum current supply.

Sonoff TH16 remote temperature monitor and wireless humidity monitor WiFi switch supports presetting the range for temperature or humidity. When the temperature or humidity of the environment falls within the range, it will automatically turn on or off the connected devices.

Sonoff TH16 supports Si7021, DS18B20 temperature and humidity sensors.

With the latest eWeLink app, users can create a series of simple conditional statement (Smart Scene) to trigger on/off other smart devices.

This means users can use Sonoff TH16 with Si7021 or DS18B20 sensor to collect temperature/humidity data, which can be used to as a condition to trigger on/off other devices.

This device works perfectly with electric fan, air conditioner, humidifier, smart fish tank, watering system, etc.

Features

- **Real-time monitor** – Monitor real-time temperature and humidity
- **Auto Mode** – Set Auto mode to turn on/off at a specified temp. or hum. range
- **Manual Mode** – Set manual mode to turn on/off immediately
- **Trigger Smart Scene** – The temp. or hum. values trigger on/off other Sonoff devices
- **Remote ON/OFF**–Turn electrical devices on/off from anywhere
- **App Support** – Free iOS and Android mobile App eWeLink
- **Sync Status** – Real-time device status provided to App
- **Share Control** – Control your smart home together with your family
- **Timing** – Set scheduled/countdown timers to turn on/off at specified time
- **Scene** – Turn on/off devices with one tap
- **Voice Control** –Works perfectly with Amazon Alexa, Google Home

Specification

- Input voltage: 90~ 250V AC
- Input current: Max 16A
- Max. Power: 3500VA(16A) resistive load
- Humidity: 5%-90%RH, Non-condensing
- Operating Temperature: 0°C-40°C(32°F-104°F)
- Wireless Standard: 802.11 b/g/n
- Security Mechanism: WPA-PSK/WPA2-PSK
- Enclosure Material: Fire-retardant ABS V0
- Dimension: 114*51*32 (mm)
- Temperature/humidity sensors: Si7021, DS18B20
- Relay output: 1
- Certification: CE, RoHS, FCC



DS18B20 Sensor

- Type: Waterproof temperature sensor
- Probe: Stainless steel temperature probe
- Temperature Measuring Range: -55°C~+125°C
- Power Supply: 3.0-5.5V
- Weight: 26g
- Length: 1m



Si7021 Sensor

- Temperature Measuring Range: -40°C~+85°C
- Humidity Measuring Range: 0~100%RH
- Storage Temp.: -65°C~+150°C
- Operating Voltage: 2.2-3.6V
- Weight: 26g
- Length: 0.5m



Remote turn on/off from any where at any time

Control from anywhere as long as your phone has network(2G/3G/4G/WiFi)

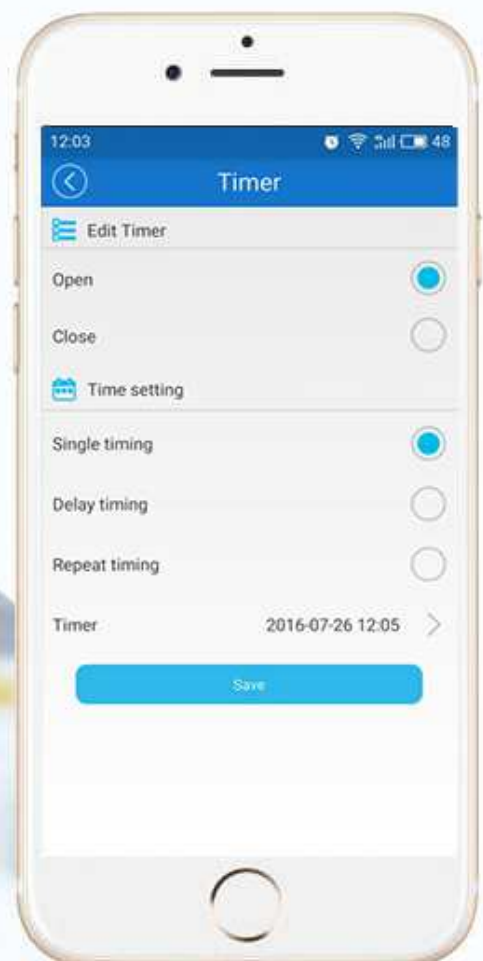


Timing Schedules

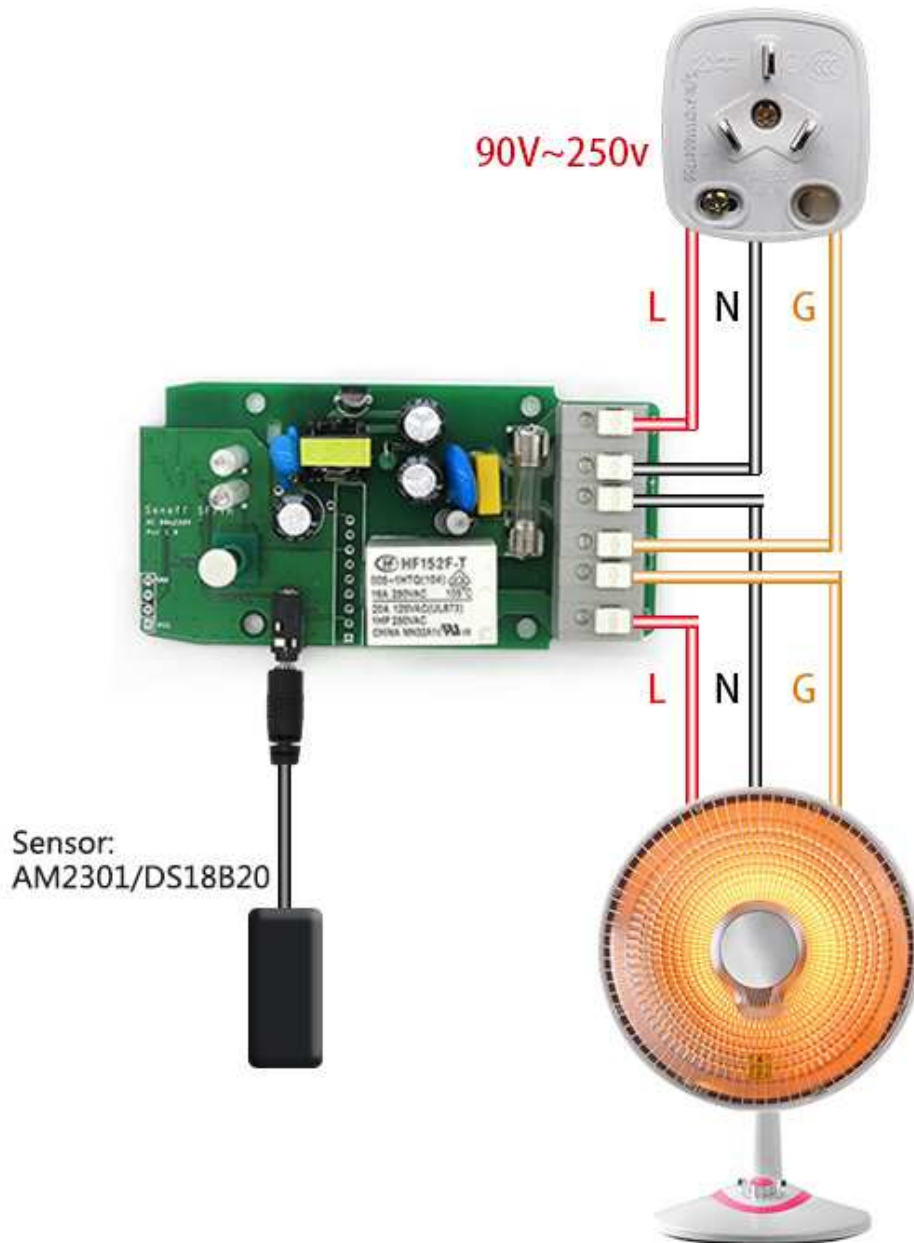
Supports single/repeat timing tasks

Supports countdown timer

Executes even when network is off



Wiring diagram



For technical support, please go to [leadd smart home forum](#)

Documents

Please visit our [wiki](#) page for more information about this product. Any suggestions for improvement, such as correcting errors, adding more demo codes or tutorials, will be highly appreciated.

Technical support

For technical support, please open a ticket on [Itead Support System](#).

Additional Information

Weight	85 g
Discontinued	No
Model	IM160712005
Link Wiki	http://wiki.iteadstudio.com/Sonoff_TH_10/16
Works With Google Nest	Yes
Works With Amazon Alexa	Yes
Works With Google Assistant	Yes
EWeLink Support	Yes