

产品参数表 Product Specification

TH R3/Elite

Wi-Fi智能开关模块 (温湿度监测)/Smart Temperature and Humidity Monitoring Switch



基本信息 Basic Information

产品系列 Product series	DIY 改装件 DIY smart switch
产品类型 Type	TH智能开关 TH Smart switch
产品型号 Model	THR316, THR320,THR316D, THR320D
输入 Input	THR316, THR316D: 100-240V ~ 50/60Hz 16A Max THR320, THR320D: 100-240V ~ 50/60Hz 20A Max
输出 Output	THR316, THR316D: 100-240V ~ 50/60Hz 16A Max THR320, THR320D: 100-240V ~ 50/60Hz 20A Max
干接点输出 Dry contact output	5-30V, 1A Max
MCU	ESP32
产品认证 Certification	TUV/CE/UKCA/WWA/FCC/RoHS/SRRC

外观信息 Appearance

产品颜色 Color	白色 White
产品规格 Product size	THR316, THR320: 98x54x27.5mm THR316D, THR320D: 98x54x31mm
包装规格 Package size	THR316, THR320: 105x64x35mm THR316D, THR320D: 105x64x39mm
产品净重 Net weight	THR316D, THR320D: 120g
总重量 Total weight	THR316D, THR320D: 150g
外壳材质 Casing material	PC V0

功能特性 Features

产品特点 Functions	TH R3/Elite是一款带温湿度检测的智能开关改装件, 需连接配套的温湿度传感器一起使用。 TH R3/Elite is a DIY smart switch with temperature and humidity monitoring, and required to use with the temperature and humidity sensors correspondingly.
App 支持平台 App operating systems	Android & iOS

无线标准 Wireless Standard

Wi-Fi	IEEE 802.11 b/g/n 2.4GHz
天线 Antenna	内置FPC天线 FPC board with antenna
安全机制 Security mode	WPA/WPA2
加密类型 Encryption type	WEP/TKIP/AES

使用环境 Working Enviroment

适用场所 Applicable place	室内使用 Indoor
工作温度 Working temperature	-10°C ~ 40°C
工作湿度 Working humidity	5%-95% RH, 无冷凝 5%-95% RH, non-condensing
工作海拔 Working height	2000米以下 Less than 2000m

安装信息 Installation

设备安装 Installation method	防水盒或导轨安装 Installation of waterproof box or guide rail
接线方式 Wiring way	零线和火线 N and L
电源接线线径范围 Power cord wiring diameter	THR316, THR316D: 1~4mm ² (17~11AWG) THR320, THR320D: 1.5~6mm ² (15~10AWG)
干接点接线线径范围 Dry contact wiring diameter	THR316D, THR320D: 0.13~0.5mm ² (26~20AWG)

兼容的传感器设备 Compatible Sensors

温湿度传感器 Temperature and humidity sensor	THS01, Si7021, AM2301
防水温度传感器 Waterproof temperature sensor	DS18B20
土壤湿度传感器 Soil moisture sensor	MS01

* 使用传感器时, 可通过接入传感器延长线(RL560), 将传感器放在所需的位置。
* You can connect SONOFF RL560 sensor extension cable to the sensor to monitor the humidity level in an ideal position.