EN: This Datasheet is presented by the manufacturer.

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产品参数表　Product Specification

TH Origin/Elite

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

TH R3　　　　　　　　　**TH Elite**

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	THR316, THR320: 100g THR316D, THR320D: 120g
总重量 Total weight	THR316, THR320: 130g THR316D, THR320D: 150g
外壳材质 Casing material	PC V0

功能特性　Features

产品特点 Functions	TH Origin/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 Origin/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: 1~4mm² (17~11AWG) THR320, THR320D: 1.5~6mm² (15~10AWG)
干接点接线线径范围 Dry contact wiring diameter	THR316D, THR320D: 0.13~0.5mm² (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.