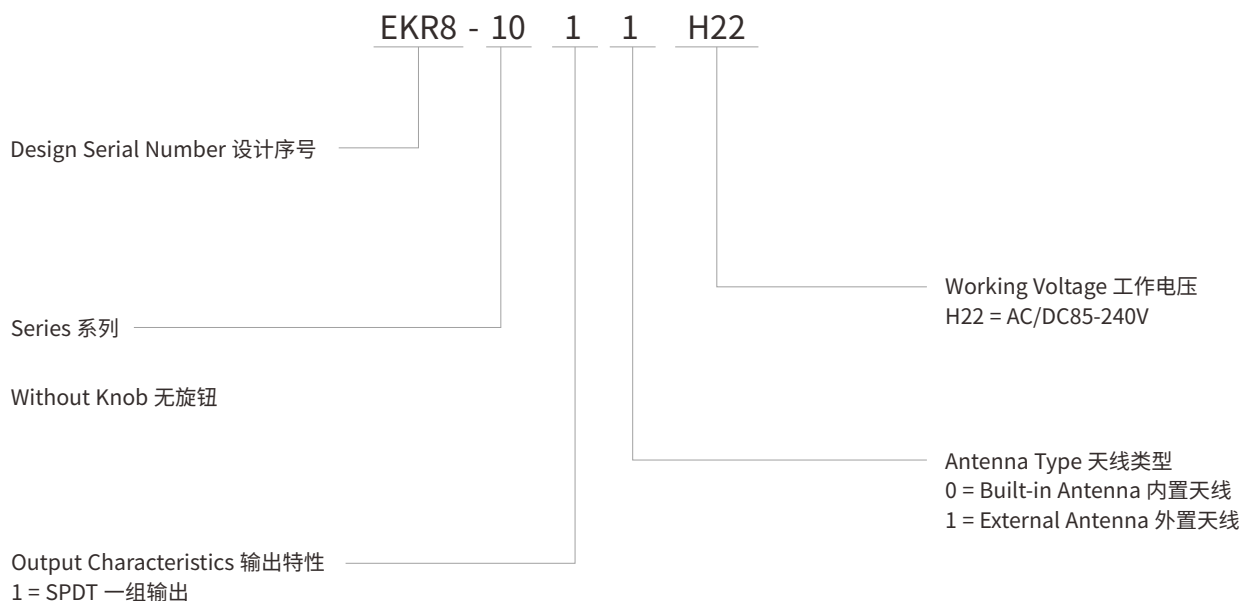


### Model Naming Rules 型号命名规则



### Product Description 产品描述

EKR8-10 series is a WiFi control relay module specially designed and developed by our company for the field of intelligent control. It is widely used in smart home and industrial intelligent control. It adopts the most popular WiFi 2.4GHz control chip, and cooperates with powerful APP and mainstream voice assistants. Realize WLAN local control (even if the network is disconnected, you can also use APP local control) and remote control, allowing users to fully experience the convenient life brought by modern intelligent technology.

Using mobile phone APP or voice control device to control ON and OFF of the output of this product to realize the purpose of remotely starting or turning off the load electrical appliances.

EKR8-10 系列是我公司为智能控制领域专业设计开发的WiFi控制继电器模组, 广泛应用于智能家居和工业智能化控制, 采用当下最流行的WiFi 2.4GHz控制芯片, 配合强大的APP和主流语音助手, 实现WLAN本地控制(即使网络断开, 也可以通过APP本地控制)和远程控制, 让用户充分体验现代智能科技带来的便利生活。

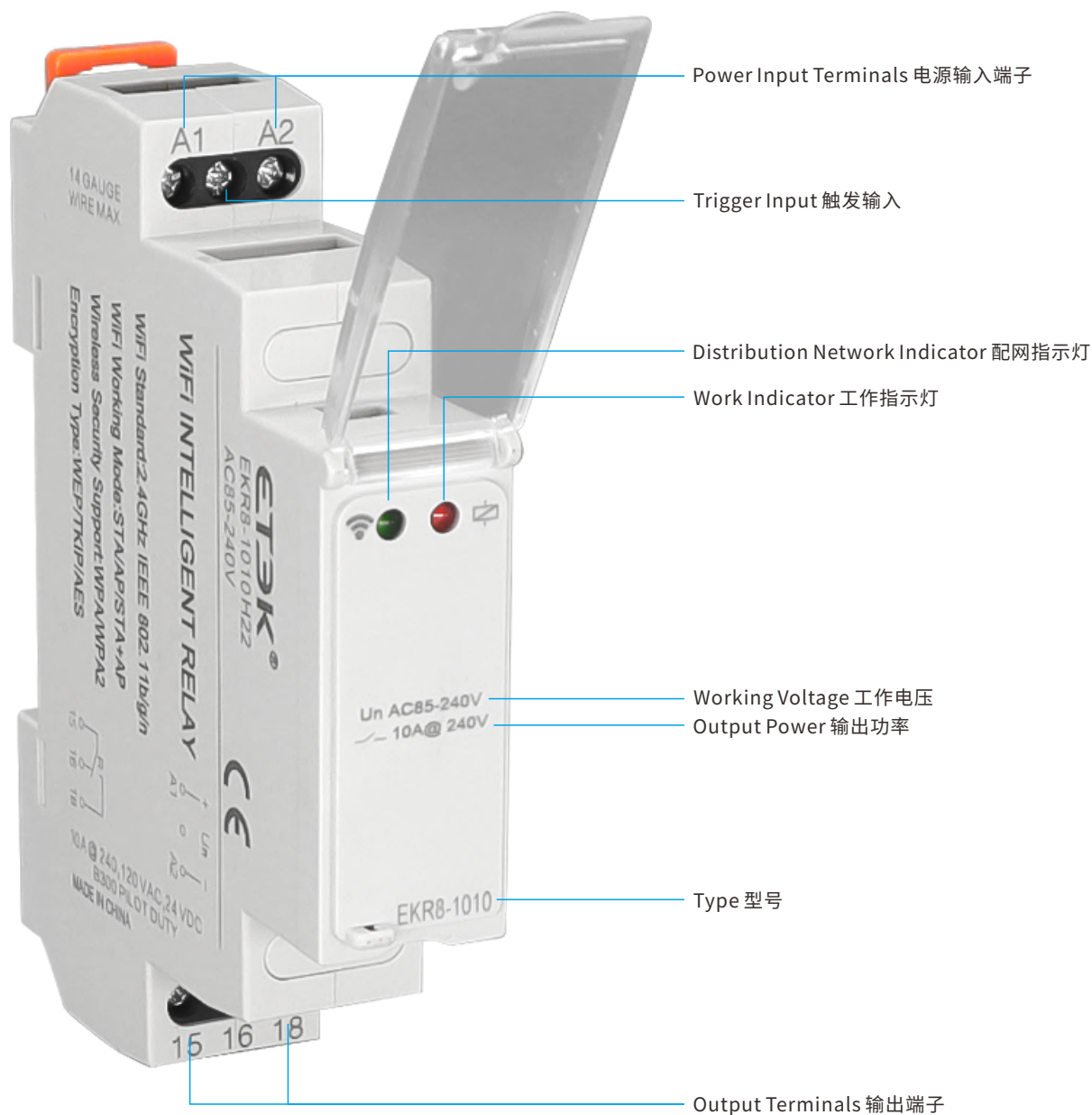
通过手机APP或者语音控制设备来控制本产品输出的接通与断开, 来实现远程启动或者关闭负载电器的目的。

# EKR8-10 Series WiFi Intelligent Control Relay



WiFi智能控制继电器

Front view: function selector and regulators  
前视图：功能选择器和调节器



## WiFi智能控制继电器

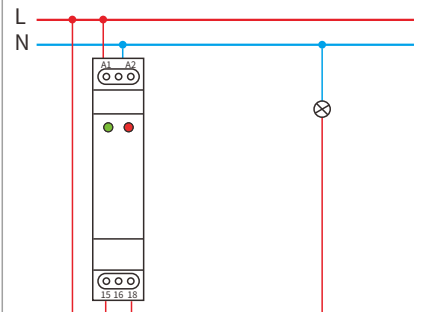
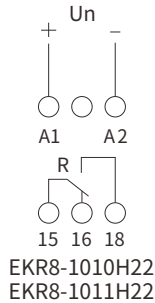
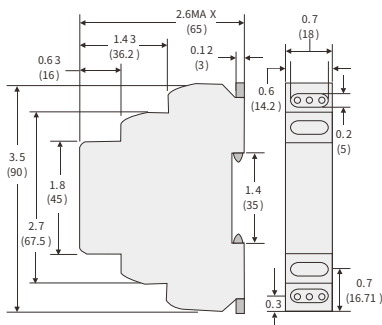
### WiFi Intelligent Control Relay WiFi智能控制继电器

The product cooperates with the corresponding APP to realize the following functions:  
 Support Smart Config for fast networking  
 Support multiple control types: switch, timing start and stop, cycle control, etc.  
 Support WLAN local control and remote control  
 Access to mainstream voice assistants such as Tmall Genie, DuerOS, Xiao Ai (Xiao Mi), Alexa, Google, etc., voice control  
 Intranet device sharing and cloud account device sharing function  
 APP supports Android and iOS systems  
 产品配合相应的APP可实现以下功能:  
 支持Smart Config实现快速连网  
 支持多种控制类型: 开关、定时启停、循环控制等控制方式  
 支持WLAN本地控制和远程控制  
 接入天猫精灵、DuerOS、小爱同学(小米)、Alexa、Google等主流语音助手, 语音控制  
 局域网内设备共享和云端账号设备分享功能  
 APP支持Android和iOS系统  
 Application 应用领域:  
 Home control system 家居控制系统  
 Building automation 建筑自动化  
 Industrial control system 工业控制系统  
 Industrial automation 工业自动化  
 Mechanical and electrical equipment 机电设备

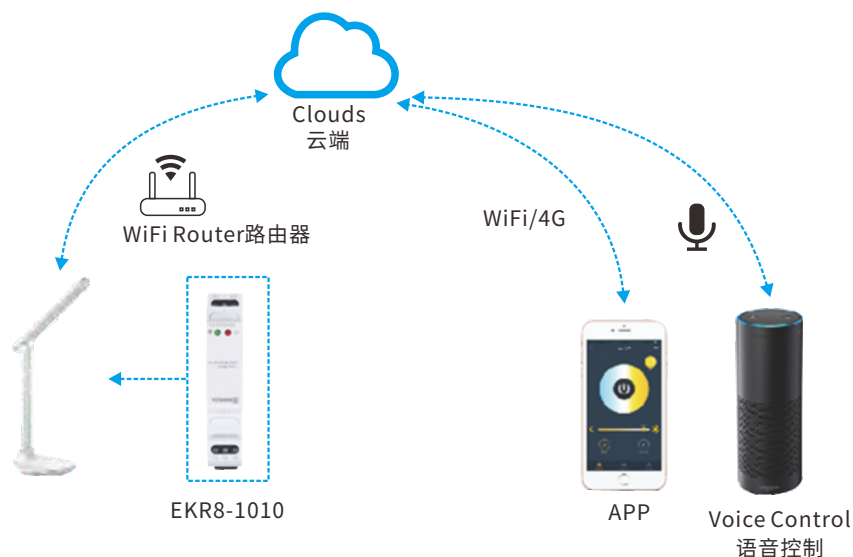
### EKR8-10 Series



Technical Data 技术数据		EKR8-1010H22	EKR8-1011H22
WiFi Characteristic WiFi特性	Standard 标准	IEEE 802.11b/g/n	
	Working Mode 工作模式	STA/AP/STA+AP	
	Wireless Security Support 无线安全支持	WPA/WPA2	
	Encryption Type 加密类型	WEP/TKIP/AES	
WiFi RF Parameters (Typical Values) WiFi 射频参数 (典型值)	Working Frequency 工作频率	2.4GHz-2.5GHz (2400M-2483.5M)	
	Transmit Power 发射功率	802.11b (CCK): 19+/-1dBm 802.11g (OFDM): 14+/-1dBm 802.11n(HT20@MCS7): 13+/-1dBm	
	Wireless Transmission Distance 无线传输距离	General Indoor: 45M, Outdoor: 150M (Note: It depends on the environment.) 一般室内: 45m, 室外: 150m (注: 具体因环境而定)	
	Standby Power Consumption 待机功耗	Less than 0.5W 小于0.5W	
Working Condition 工作条件	Working Temperature 工作温度	-10°C-60°C	
	Storage Temperature 储存温度	Normal Temperature 常温	
	Working Humidity 工作湿度	5%-95% (Non-condensing) (不凝结)	
Physical Parameter 物理参数	Antenna Type 天线类型	Built-in Antenna 内置天线 External Antenna 外置天线	
	Rated Current 额定电流	10A	
Control Method 控制方式/Working Mode 工作模式	WiFi Control 控制	No WiFi Control 无WiFi连接	
APP Local Control 本地控制	Yes	Yes	
APP Remote Control 远程控制	Yes	N/A	
Alexa/Google Home/Tmall Genie 天猫精灵 /DuerOS/Xiao Ai (Xiao Mi) Voice platform Support 小爱同学(小米) 语音平台支持	Yes	N/A	
SCCP Control 信令连接控制	Yes	Yes	
Dimensions 外形尺寸图: in 英寸 mm 毫米	Wiring Diagrams 接线图	Product Wiring Diagram 产品接线图	



Structure Block Diagram of Intelligent Control System:  
智能控制系统结构框图:



Distribution Network Block Diagram of Standard Configuration:  
标准配置配网框图:

