Operation Description

Power: The AC-DC circuit will convert the 100~240VAC to DC 5V which will provide power for the relay, and DC-DC will convert DC 5V to 3.3Vand provide power for the circuit.

Key: Press the key, transfer the key signal to ESP32, and then perform the corresponding actions (such as opening relay, etc.) by ESP32.

WIFI: The ESP32 controls the relay to implement on/off action and offers WIFI networking solution, allowing us to get access into the server through network and reflect any status on board to our cellphone.

Technical Document	Details
Radio Frequency:	Wifi:☒ 2.412-2.462GHz BT:☒ 2.402-2.480GHz
Modulation Technique:	☒ 802.11b: DSSS ☒ 802.11g: OFDM ☒ 802.11n(20MHz): OFDM ☐ 802.11n(40MHz): OFDM
Modulation Type:	☒ DSSS(CCK, DQPSK, DBPSK) ☒ OFDM(64QAM, 16QAM, QPSK, BPSK) ☒ BLE:☒GFSK,
Transfer rate:	150Mbps(max)
Antenna Type:	☒ PCB antenna
Antenna Gain:	-1.04 dBi
Operating Temprature:	☒ Other: Min.: -10 ℃ to Max.: 40 ℃
Operating Voltage:	Nominal Voltage: 110/220 V ☐ DC; ☒ AC High Voltage: 240 V ☐ DC; ☒AC Low Voltage: 100 V ☐ DC; ☒ AC