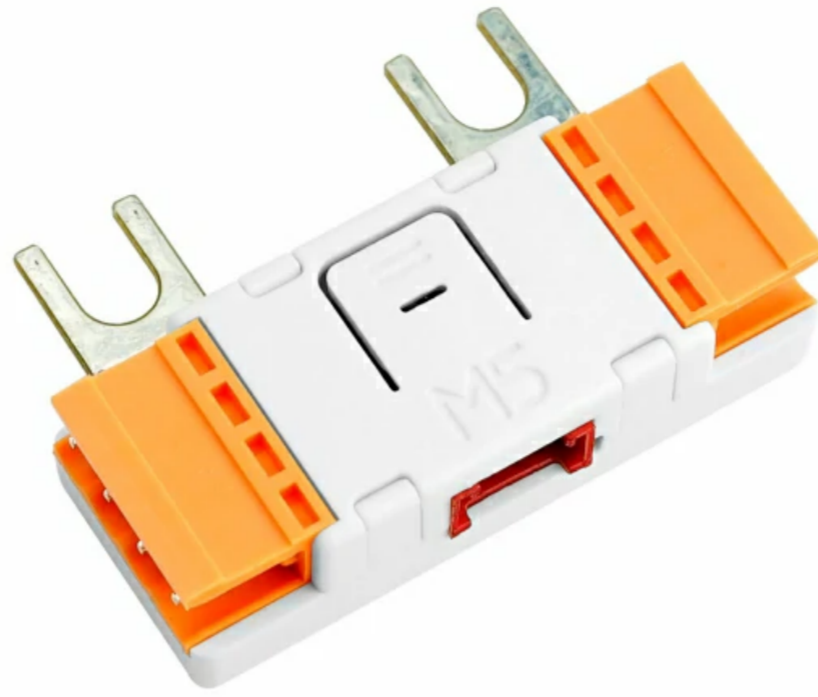


# Jnit ACSSR

SKU:U139



## Description

Jnit ACSSR is a **DC to AC** single phase solid state relay **controller kit**, comes with a **single phase solid state relay + ESP32C3 controller board**. Supports key control , I2C slave , and Modbus networking` modes of operation. Integrated programmable full-color RGB LED for for state indication, clear to operate.

This kit is contactless and adopts semiconductor switching elements. It has several advantages such as high switching speed, extremely long life, low switching noise, no switching spark and ultra-reliable than most mechanical relays. Widely used in digital program control devices, motor control devices, temperature control, data processing systems and computer peripheral interface devices. It is specially designed for harsh environments with corrosion, humidity or explosion-proof requirements and frequent on-on/off requirements.

## Product Features

- Single-phase solid state relay
- Three operating modes.
  - Push button control
  - I2C slave (support device I2C address configuration)
  - Modbus networking (supports device ID configuration)
- Programmable full color RGB LED
- RS485PWR interface (support input 9-24V to power the device)

## Included

- 1x Single Phase Solid State Relay
- 1x UNIT ACSSR
- 2x 3.96-4P Terminal Block
- 1x HY2.0-4P Cable (20cm)
- 1x Communication protocol manual

## Applications

- AC line interrupting
- Motor equipment control
- Temperature control devices

## Specifications

Specification	Parameters
Main Controller	ESP32C3
Programmable RGB LED	SK6812
Load Current	10A
Input Control Voltage	3-32VDC
Load Voltage	24~480VAC
Input Control Current	5mA~20mA
Breakdown Leakage Current	≤5mA
On-state Buck	≤1.6V
Operating current safety series	resistive load: 50% Inductive load: 50%
Electrical life time	≥1 million times
Indicator Light	Red (Lighted: Closed / Off: Disconnected)
Net Weight	112.6g
Gross Weight	137.8g
Product Size	80 * 45 * 31mm
Package Size	147 * 90 * 40mm





M5Core ( PORT A )	GPIO22	GPIO21	5V	GND
UNIT ACSSR	SCL	SDA	5V	GND

ESP32- C3(inte rnal)	GPIO0	GPIO1	GPIO2	GPIO3	GPIO4	GPIO5	GPIO6
UNIT ACSSR	SCL	SDA	RGB LED	BTN	RELAY CTL	RS485- TX	RS485- RX

## Schematics

