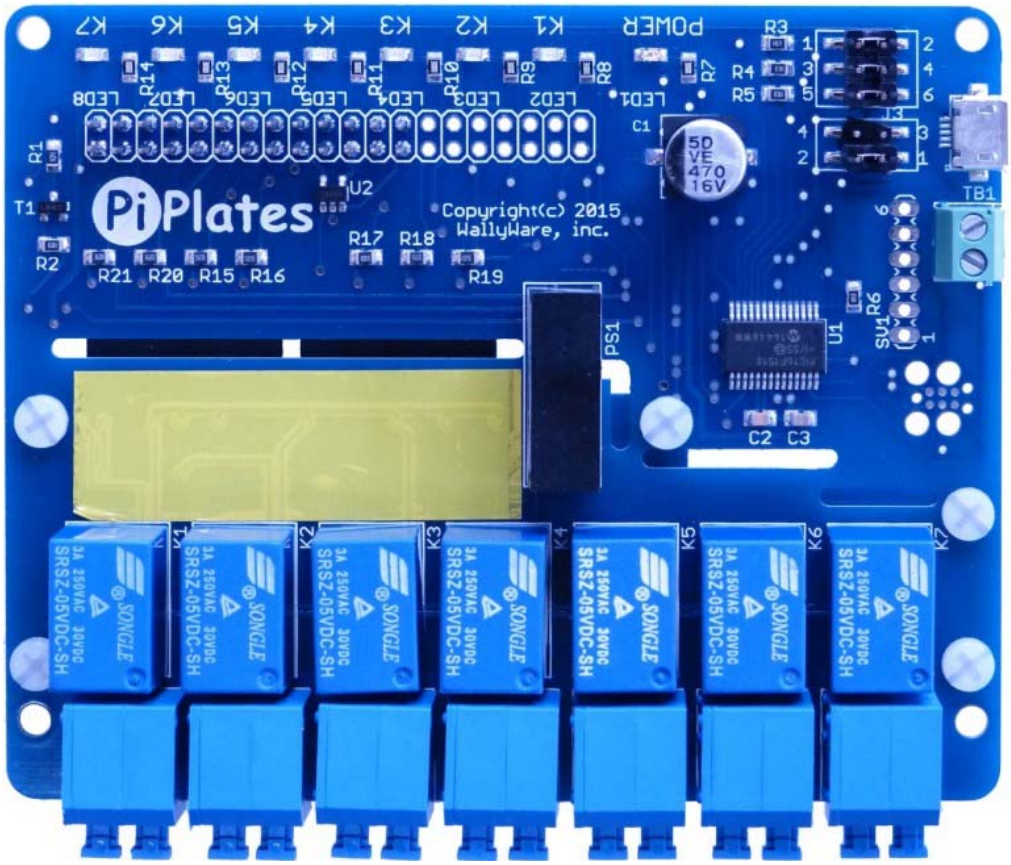
RELAYplate



RELAYplat

The only relay controller available for the Raspberry Pi designed to meet UL standards.

The Pi-Plates RELAYplate is the first dedicated relay board for the Raspberry Pi designed to meet the safety requirements of UL 60950 while being capable of switching 120 volts AC. Each of the seven relays is UL rated to switch 1 amp at 120volts AC or 30 volts DC. And, like all Pi-Plates, you can stack these boards to increase your relay count to 56 using eight plates. The RELAYplate board is compatible with our DAQCplate and MOTORplate allowing you to create the perfect stack of boards to control your project.

Features

- Seven single-pole single throw relays

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- Rated at 120 volts AC or 30 volts DC
- Currents up to 1 amp
- Convenient screwless terminal blocks
- Up to eight RELAYplates can be stacked together providing 56 relays
- A single RELAYplate will run from the Raspberry Pi 5 volts DC supply
- Auxiliary power connectors provided for stacking multiple RELAYplates
- Includes programmable LED
- Seven LED annunciators provide visual relay status
- Detailed Online Users Guide with Examples
- Dimensions: 100mm long x 80mm wide x 15mm high

Compatibility

- DAQCplate
- MOTORplate
- PROTOplate
- CASEplate

General

- 100% Tested
- Dedicated onboard processor
- Allows for future code updates
- Only needs two dedicated RPI pins (GPIO 25 and CE1)
- All features accessible via rich Python command set
- Compatible with all versions of Raspberry Pi
- Can be used in combination with all members of the Pi-Plates family

Safety

- Designed to meet the stringent safety requirements of UL standard 60950
- Screwless terminal blocks protect user from hazardous voltages Bottom
- shield protects user from exposed solder pads
- Opto isolators and isolated power supply provide 3000 volts of isolation between Raspberry Pi and relays
- Complete protection against a single point failure

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