ESP32 Relay X4 Module Enclosure with I2C Sensor Integration

Simply Maker

VIEW IN BROWSER

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Summary

ESP32 4 Channel Relay Enclosure with status LED, control button and optional I2C sensors.

Hobby & Makers   >   Electronics

Tags: box   case   enclosure   relay   esp32   homeassistant   esphome

This custom-designed 3D-printed enclosure is made for the ESP32 4-channel relay module, ideal for controlling low-power devices in your home or workshop. The design includes space for **status LEDs** and physical **control buttons** to manage each relay manually. You can also add optional **I2C sensors** for environmental monitoring, making it a versatile addition to your smart home setup.

The module integrates seamlessly with **ESPHome** and **Home Assistant**, allowing for easy automation and remote control. This enclosure not only organizes your setup but also ensures a neat and professional installation.

Component List and Wiring Diagram: https://simplymaker.net/3d-printing/3d-print-esp32-4-channel-relay-module-enclosure/
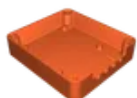
Model files
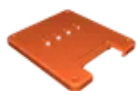
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cover-v3-i2c.stl

case-v3.stl
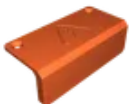
terminal-cover.stl

button-caps-36mm.stl

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