

Powerswitch tail 2

PRODUCT ID: 268

DISCONTINUED

The PST has been discontinued. [Please check out the IoT Power Relay for an equivalent alternative.](#) The IoT Power Relay has more outlets but otherwise is functionally the same, and at a similar price!

DESCRIPTION

TECHNICAL DETAILS

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DESCRIPTION

The PST has been discontinued. Please check out the IoT Power Relay for an equivalent alternative. The IoT Power Relay has more outlets but otherwise is functionally the same, and at a similar price!

The Power Switch Tail II is a smart alternative to slicing apart power cords to wire up your own relays. Its a compact 120V 3-pronged extension cord, with a relay board embedded in the middle. Connect to the relay using two screw terminals and activate by providing a 3 to 12V signal (3mA current draw at 3V, 30mA at 12V). The relay can switch 15 Amp resistive loads such as heaters, small skillets, lights, etc. An LED indicator above the terminals will help you with debugging.

Ideal for people making their own controllable lights, SMT reflow plates, boilers or heaters, coffee roasters, home automation projects, etc.

New! The Power Switch Tail II now is opto-isolated so you don't need a transistor or protection diode. The input acts like an LED so its safe for use with any microcontroller or logic pin.

Please note, this is a safer alternative to wiring up your own relays but still requires common sense and knowledge of electrical circuits. Stay within the rated limit of the relay and [de-rate properly when not using resistive loads](#). Do not leave DIY electrical projects unattended or where they can get wet! This product is intended to be used by advanced hobbyists who are comfortable working with power supplies.

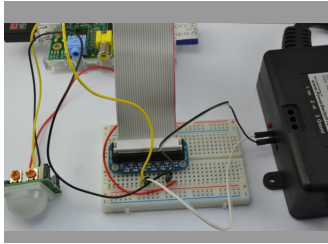
TECHNICAL DETAILS

- AC input: NEMA 5-15P Plug, standard 120vac with ground.
- AC output: NEMA 5-15R Receptacle, standard 120vac with ground.
- Switching capacity: 15amps @ 120vac.
- Life expectancy: 100,000 operations @ 15 amps, 125vac, resistive
- DC input: 3vdc (3ma) to 12vdc (30ma), terminal block accepts #30-14 AWG wire.
- Operate times: 15 ms max actuate, 10 ms max release.
- DC to ac circuit isolation: 5300Vrms.
- Indicator: LED indicates when dc side is energized.
- Protection: AC side protected with 150vac MOV; DC side is transient free.
- Mounting: Two #6 screws on 2" x 2.5" grid.

Downloads:

[Product instruction sheet](#)

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[Adafruit's Raspberry Pi Lesson 13. Power Control](#)

Control 110V devices from your Raspberry Pi



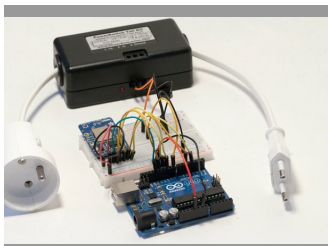
[Sous-vide controller powered by Arduino - The SousViduo!](#)

Turn an Arduino + inexpensive rice cooker into a precision instrument for molecular gastronomy!



[Internet Streaming "On Air" Sign](#)

Quiet please! Live broadcast in progress.



[Wireless Power Switch with Arduino & the CC3000 WiFi Chip](#)

Build a WiFi power switch to control your home appliances!

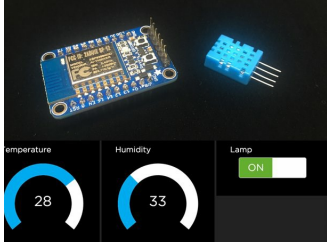


[Capacitive Touch Holiday Light Control](#)

Quick and easy touch control for your holiday lights.

Home Automation in the Cloud with the ESP8266 & Adafruit IO

Build a simple home automation system & control it from anywhere!



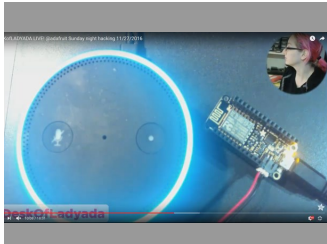
Run an X-Carve CNC Machine Wirelessly with a Raspberry Pi

Use a simple Node.js server on a Raspberry Pi to link your X-Carve to Easel wirelessly.



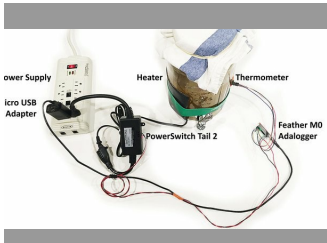
Easy Alexa (Echo) Control of your ESP8266 Huzzah

"Alexa, do something cool with my Feather!"

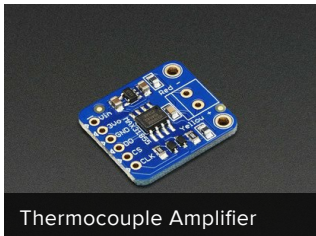


Kombucha Thermostat with CircuitPython and Feather

Kombucha, It's ALIVE and it needs a smart heater



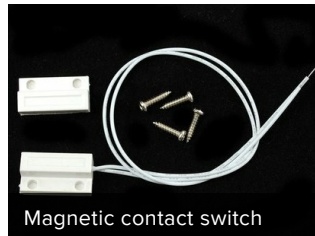
MAY WE ALSO SUGGEST...



Thermocouple Amplifier



Thermocouple Type-K Glass



Magnetic contact switch



Adafruit Latching Mini Relay



Adafruit TPL5110 Low Power



Adafruit Non-Latching Mini



Controllable Four Outlet



Adafruit TPL5111 Low Power

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