A Feather board without ambition is a Feather board without FeatherWings! This is the Latching Mini Relay FeatherWing. It gives you power to control, and control over power. Put simply, you
can now turn on and off lamps, fans, solenoids, and other small appliances that run on up to 250VAC or DC power using any Feather board.

Using our Feather Stacking Headers or Feather Female Headers you can connect a FeatherWing on top of your Feather board and let the board take flight. Check out our range of Feather boards here.

The are two ‘flavors’ of these FeatherWings, this is the Latching relay. This one requires two pins, a SET and UNSET and instead of keeping the SET pin high, you only have to pulse each pin high for 10ms to latch the relay open or closed. You need two pins but save power. Note, if power is lost, the relay will stay in the last setting.

The other type of relay FeatherWing is the simple Non-Latching relay, it requires only a single signal pin.

Both FeatherWings use the same family of relay. You can switch up to 2A of resistive current at 30VDC or ~40VAC or lower. At 110VDC you can switch up to 0.3A, at 120VAC up to 0.5A, and at 250VAC you can switch up to 0.6A. Check the datasheet for the relay for the exact switching capacity, and of course, for reactive/inductive loads you will need to derate. This isn’t a relay you can use to turn on and off your washer/dryer, stick to 60W or less. For up to 1200W devices, check out our Power Featherwing which can handle up to 10A!

Each FeatherWing comes with a fully assembled and tested PCB, header you can use to attach to your feather. You also get a 3-pin terminal block you can use to wire up whatever you are going to be relay-controlling. Some light soldering is required.

Please note: If using with high voltages (> 24V) use care and common sense! High voltages require experience, and are only for use by engineers who are comfortable with guidelines and know how to use safely!

Also, the terminal blocks included with your product may be blue or black.

Our learn guide covers everything you need to know for the Non-Latching and the Latching Mini Relay FeatherWings!

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**TECHNICAL DETAILS**

- 50.8mm x 22.9mm x 11.4mm / 2” x 0.9” x 0.45”
- Weight (just the board): 5.3g
- Schematic, Datasheet, EagleCAD PCB files, and Fritzing available in the product tutorial

**RoHS**

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**LEARN**

- Mini Relay FeatherWings
- Feather Power!
- Easy Alexa (Echo) Control of your ESP8266 Huzzah
  “Alexa, do something cool with my Feather!”

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**MAY WE ALSO SUGGEST...**

- 8-Channel PWM or Servo
- Short Headers Kit for Feather
- FeatherWing Proto - Prototyping Add-on For All

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Downloaded from Arrow.com.
Stacking Headers for Feather - 12-pin and 16-pin DC Motor + Stepper FeatherWing Add-on For All Adafruit Non-Latching Mini Assembled Terminal Block NeoPixel FeatherWing - 4x8 FeatherWing Doubler - DS3231 Precision RTC Adalogger FeatherWing - Particle Relay Shield for Photon

"A designer is an emerging synthesis of artist, inventor, mechanic, objective economist and evolutionary strategist" - R. Buckminster Fuller

Downloaded from Arrow.com.