Do you need a solution for home automation, hydroponics, light industrial automation, and other related predicaments? Take control of and monitor your world with Pimoroni's Automation HAT for Raspberry Pi.

With relays, analogue channels, powered outputs, and buffered inputs (all 24V tolerant), this home monitoring and automation controller allows you to hook up a plethora of devices to your Raspberry Pi all at once. Better still, each channel has an indicator LED which means you can see what's happening with your setup at a glance. Even the analogue channels have dimming LEDs that allow you to see the value they are currently sensing.

Compatible with all versions of Raspberry Pi that have the 40-pin GPIO header (3, 2, B+, A+, Zero), and comes fully assembled!

Features:

- 3 x 24V @ 2A relay (NC and NO terminals)
- 3 x 12-bit ADC @ 0-24V
- 3 x 24V tolerant buffered inputs
- 3 x 24V tolerant sinking outputs
- 15 x channel indicator LEDs
- 1 x 12-bit ADC @ 0-3.3V
- 3.5mm screw terminals
- Power, Comms, and Warning LED indicators
- HAT EEPROM
- SPI interface
- Extra GPIO: TX (#14), RX (#15), #25

Please note: using a set of Brass M2.5 Standoffs with the Automation HAT is recommended to avoid pins contacting the HDMI port if the HAT is pushed down.

Product Dimensions: 65.0mm x 55.0mm x 17.5mm / 2.6" x 2.2" x 0.7"

Product Weight: 33.1g / 1.2oz