Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!
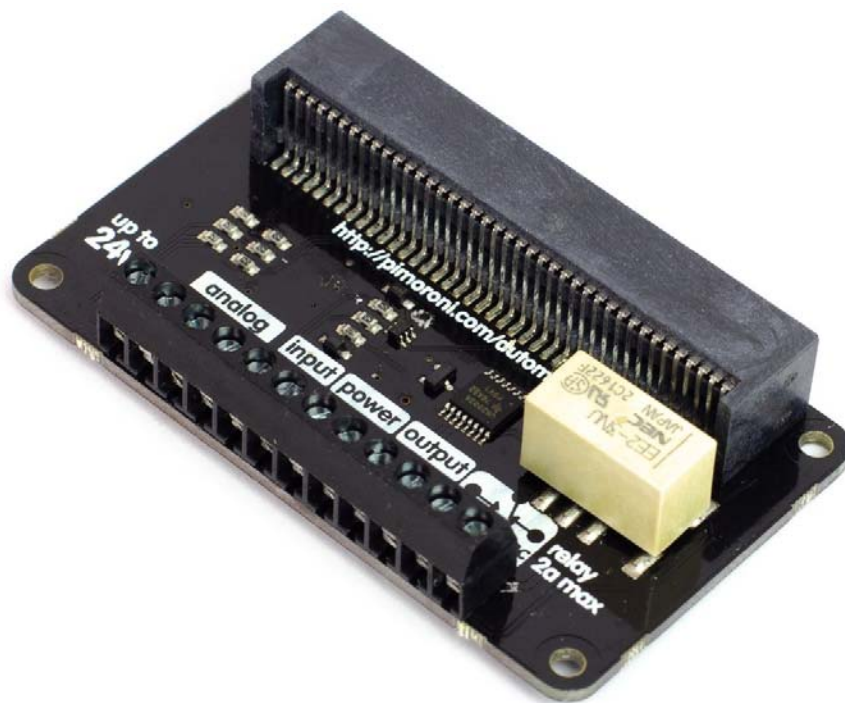
Contact us

automation:bit PIM371

Control and monitor your world with automation:bit! It's tolerant of up to 24V, with analog and digital inputs, outputs, and a relay, so it's ideal for automating low-voltage systems in your home.

Just slot in your micro:bit, then code automation:bit with the block-based Microsoft MakeCode editor. Hook up buttons to the inputs, use the built-in buttons on micro:bit, or the light-sensing capability of the LED matrix to control devices connected to automation:bit. Or why not use a second micro:bit's radio function as a remote control?

WARNING! automation:bit should not be used with voltages greater than 24V and especially not with mains voltages!
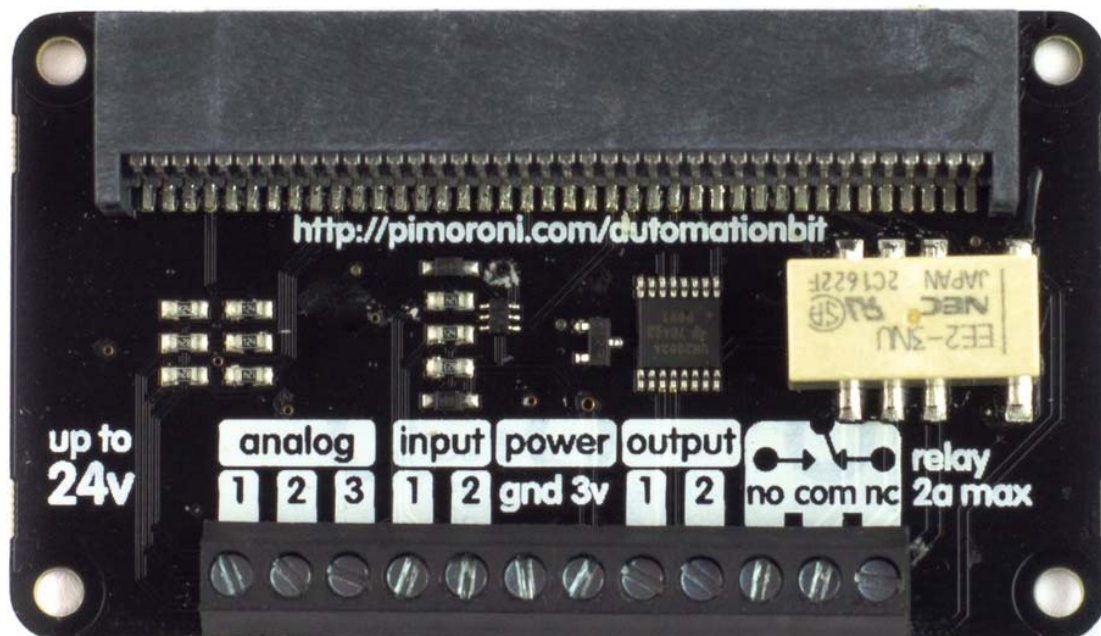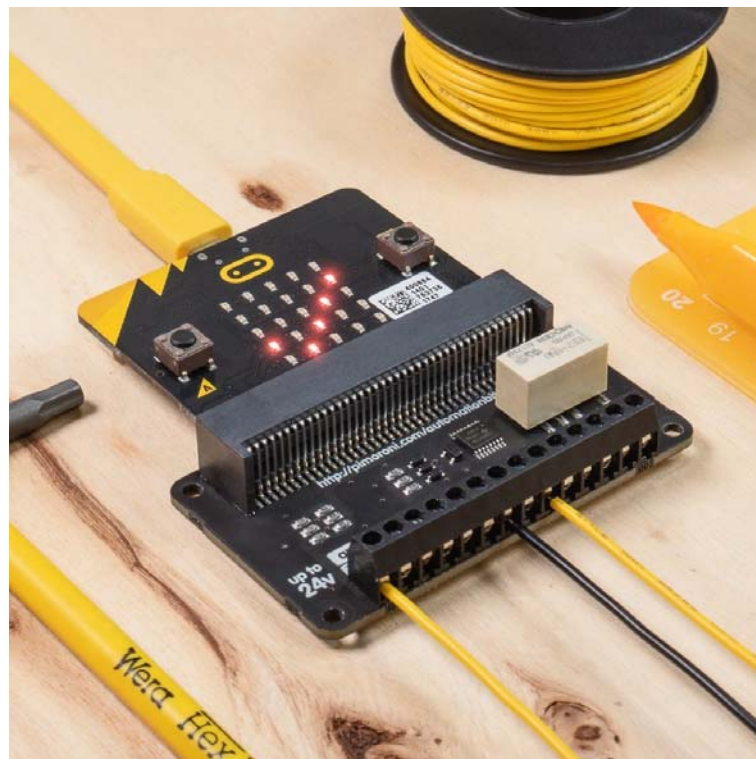
Features

- Comes fully-assembled and ready to use
- 1 x 24V @ 2A relay (NC and NO terminals)
- 3 x ADC channels (0-24V range)
- 3 x 24V tolerant buffered inputs
- 3 x 24V tolerant sinking outputs
- 3.5mm screw terminals
- Compatible with micro:bit
- Microsoft MakeCode support
- No soldering required!

Software

You can code automation:bit with the block-based Microsoft MakeCode editor, that'll get you started with using all of automation:bit's functionality.

To add the automation:bit library in MakeCode, click on the cog at the top right hand corner, then "Add Package", then enter the URL "https://github.com/pimoroni/pxt-automationbit". You can find full instructions at the GitHub repository for the library.

https://shop.pimoroni.com/products/automation-bit#description 8-20-18