

# CONNECTING THE PICAXE-08 MICROCONTROLLER TO OTHER COMPONENTS -DIGITAL INPUT

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On behalf of The World Association of Technology Teachers

## W.A.T.T.



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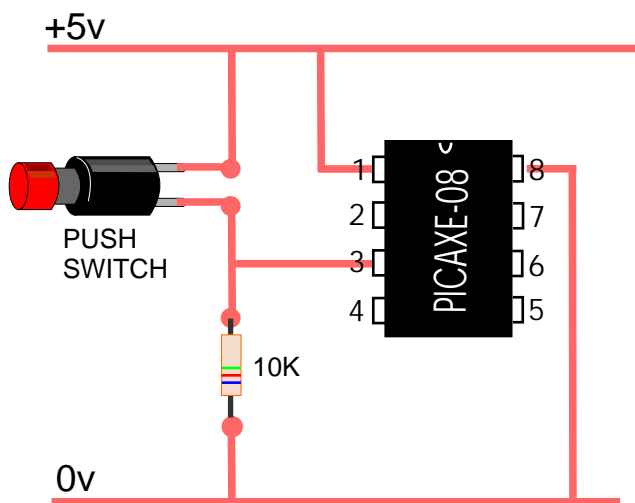
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1. The illustration shows a typical input connected to a PICAXE 08 circuit. Draw the circuit diagram alongside, the illustration.

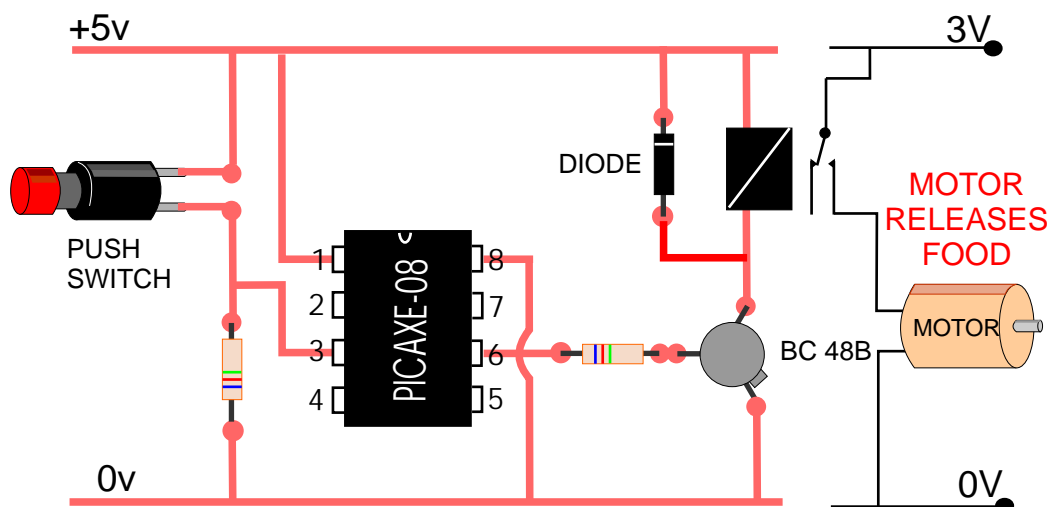
ILLUSTRATION



CIRCUIT DIAGRAM

2. The PICAXE 08 circuit (below), has been designed for an automatic animal feeder. When the animal pushes the switch, the PICAXE microcontroller detects an input. The programme within the microcontroller then outputs at pin 6, energising a relay. This allows a second circuit to turn on a motor, releasing food into the animals dish. Complete the circuit diagram, adding the missing components and labels.

ILLUSTRATION



CIRCUIT DIAGRAM

