HUMIDITY SENSOR KIT
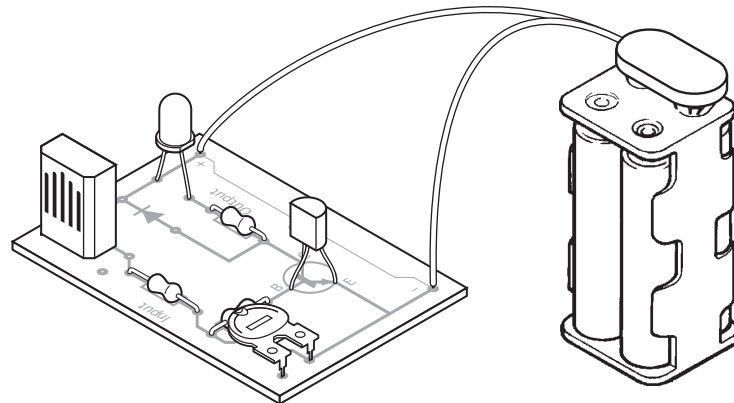
Code: PAC 2003 (10 pack)
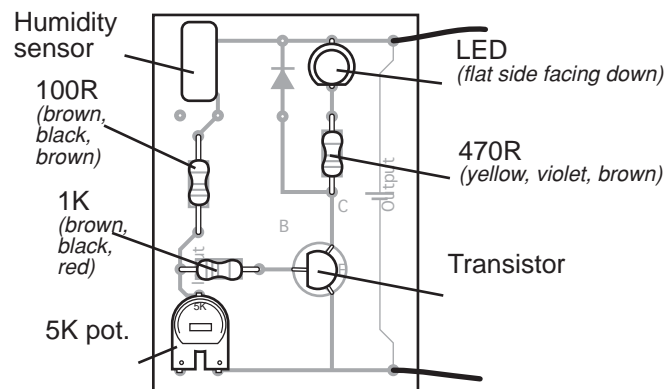
Contents:

10 x PCB
10 x BC548 transistor
10 x Humidity sensor
10 x 1K resistor
10 x 100R resistor
10 x 470R resistor
10 x Standard LED
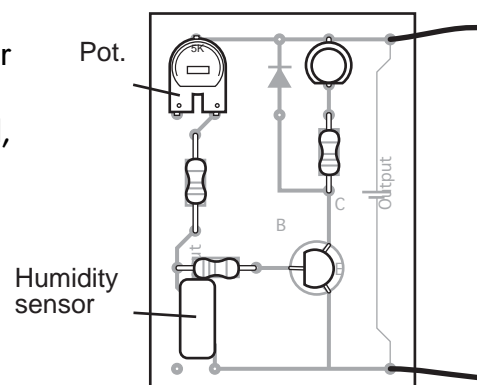10 x 5K potentiometer
10 x Battery connector

This general purpose circuit is designed to detect changes in humidity. It requires a 6V - 9V battery. When the components are connected as shown below, the LED will light up when the humidity is above a set level. (The sensitivity of the circuit can be set by adjusting the potentiometer).

- *In low humidity conditions the sensor has a high resistance and so the transistor is switched off. The LED is therefore off.*

- *In humid conditions the sensor has a low resistance and so the transistor is switched on. The LED therefore lights up.*

To make the LED light up when the humidity drops below a set level the positions of the sensor and the potentiometer should be swapped. A much higher value potentiometer will be needed, e.g. 10M.

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