

BIG SOUND SENSOR

ARDUINO SOUND DETECTION SENSOR | USER MANUAL AND BASIC DESCRIPTION

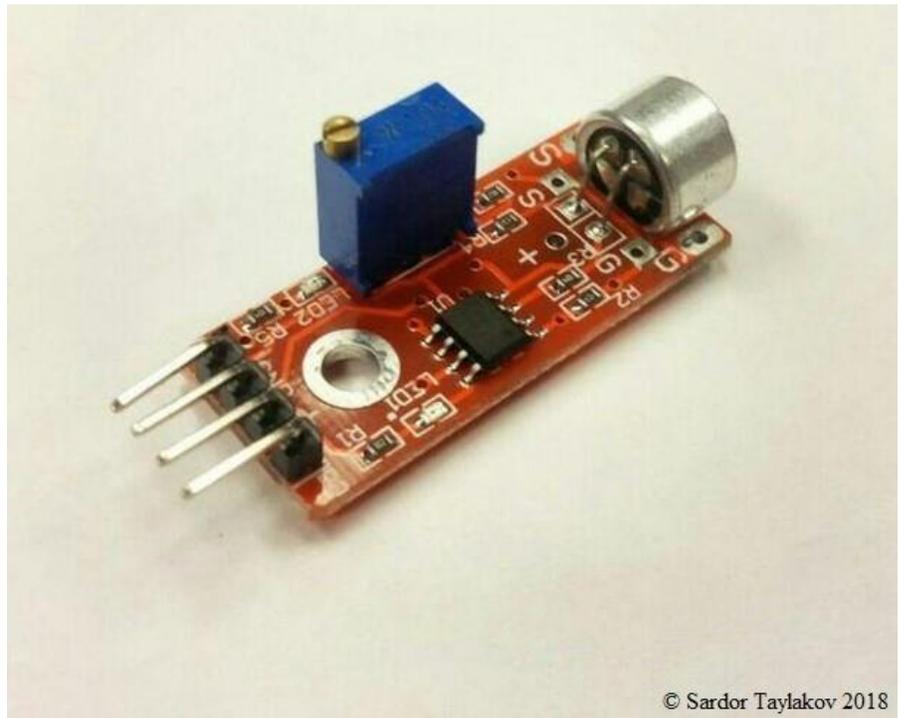
DESCRIPTION

Big Sound Sensor is a module that detects sound and its intensity. Applications of big sound sensor vary in range and can be used for security, control, and monitoring. You can take advantage of controlling the presence of sound using this module. You can select a point of sound intensity and detect sound when it exceeds a set point.

USAGE

Sound Set Point Adjust with a mounting screw hole is used to make the module more or less sensitive. When it is set to be less sensitive, more sound is needed to trigger the device and vice versa. Turn clockwise to make it more sensitive and counter-clockwise to make it less sensitive. Power LED illuminates when power is

LAYOUT



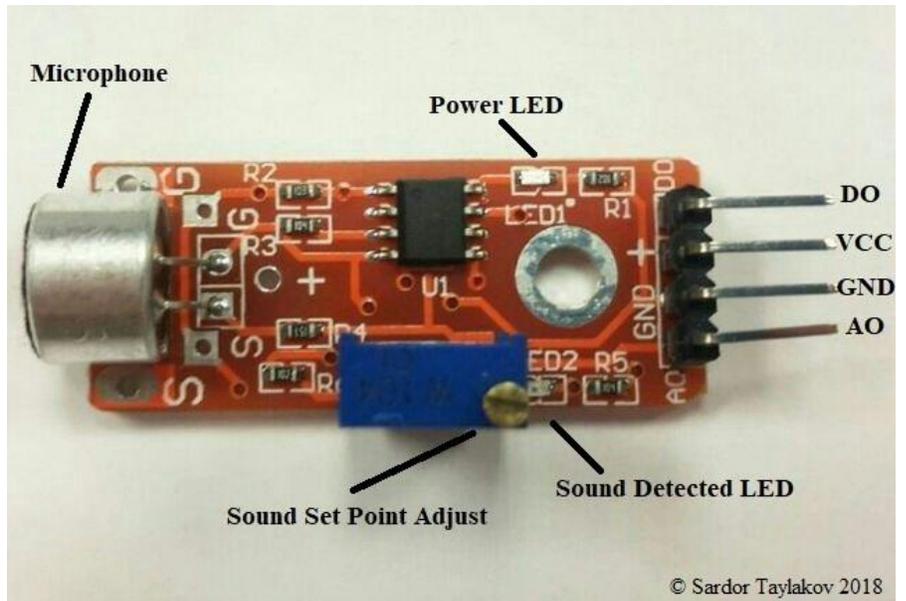
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KEY COMPONENTS

Microphone • Sound Set Point Adjust • Operational Amplifier • Power LED • Sound Detection LED • Four Pins (Analog Output, Digital Output, Ground, Voltage)

applied and Sound Detection LED illuminates when a sound is detected.

In our project, we use Big Sound Sensor to detect the presence of a burglar who makes a sound as he enters one of the rooms in our model of a warehouse.



DO – Digital Output, VCC – Voltage, GND – Ground, AO – Analog Output

REFERECNCE

<https://www.robotshop.com/media/files/pdf/sound-sensor-module-arduino-datasheet.pdf>