

Motion Sensor Phidget



Description

The Motion Sensor Phidget allows you to detect motion up to ten meters away. This sensor will output a steady voltage when no objects are detected. The voltage output will increase or decrease when motion is detected. Movement that fills more of the sensor's field of view will result in a larger change in voltage. This Phidget connects to your computer through a VINT Hub.

Features

- Detects motion through infrared radiation. Excellent for detecting the movement of people or animals.
- Passive recalibration – Objects that stop moving inside the sensor's view won't trigger the sensor until they start moving again.

Product Specifications

Board Properties

Controlled By Voltage Input

Motion Sensor

Sensor Output Type Non-Ratiometric

Horizontal Detection Range 70°

Vertical Detection Range * 70°

Motion Detection Distance ** 10 m

Electrical Properties

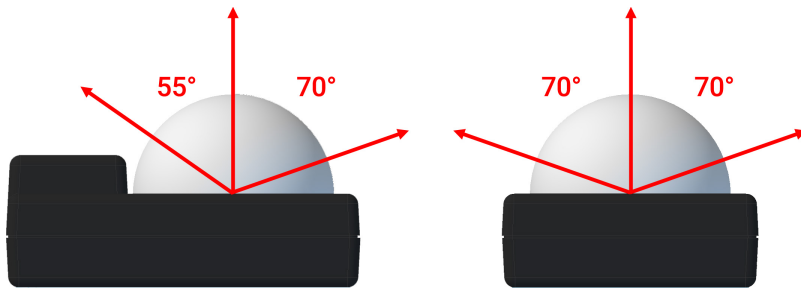
Current Consumption 140 μ A

Physical Properties

Operating Temperature Min -30 °C

Operating Temperature Max 85 °C

* – Detection angle is reduced on the side of the lens where the connector blocks its view:



** – Detection distance varies with the size and speed of the object. Our testing was conducted with people moving at walking speed.