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Motion 4 Click





PID: MIKROE-4078

Motion 4 Click is a long distance PaPIR's motion sensor with plastic lense and controllable output. This Click board features EKMC1603111, a PIR motion sensor from Panasonic Corporation which can be used as human motion detector and is able to detect movement up to 12m with 170uA current consumption. Also featured on Motion 4 Click bord is TLP241A photorelay from Toshiba that is used to provide a reinforced galvanic isolation for the external signals used to drive some external high power electronic equipment when motion is detected. It's allowing up to 40V between the SSR contacts in OFF state, and currents up to 2A while in ON state, thanks to a very low ON-state resistance.

Motion 4 Click board $^{\text{m}}$ is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board $^{\text{m}}$ comes as a fully tested product, ready to be used on a system equipped with the mikroBUS $^{\text{m}}$ socket.

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.







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Specifications

Туре	Motion
Applications	Alarm systems, light switch controllers, automatic doors and similar systems where human presence needs to be detected.
On-board modules	EKMC1603111 the PIR motion sensor
Key Features	92 detection zones, wide detection range and area and maximum range of 12m
Interface	GPIO
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

<u>mikroBUS™</u>

mikroSDK

Click board™ Catalog

Click boards™

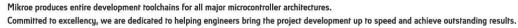
Downloads

Motion 4 click example on Libstock

Motion 4 click 2D and 3D files

EKMC1603111 datasheet

Motion 4 click schematic







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