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Motion 2 Click





PID: MIKROE-4059

Motion 2 Click is a Click board[™] based on EKMC1607112, PIR motion sensor from Panasonic Corporation that's used as human motion detector. Also featured on Motion 2 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 2 Click board™ is supported by a mikroSDK compliant library, which includes functions that simplify software development. This Click board™ comes as a fully tested product, ready to be used on a system equipped with the mikroBUS™ 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	EKMC1607112 the PIR motion sensor
Key Features	32 detection zones with 90°C of horizontal and vertical detection angles
Interface	GPIO
ClickID	No
Compatibility	mikroBUS
Click board size	M (42.9 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

mikroBUS™

mikroSDK

Click board™ Catalog

Click Boards™

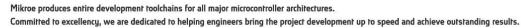
Downloads

Motion 2 click 2D and 3D files

Motion 2 click schematic

Motion 2 click example on Libstock

EKMC160711 datasheet







health and safety management system.