

New Product Announcement

Now at Mouser: Mikroe's PIR Click Sensor with Onboard KEMET Pyroelectric Proximity Infrared Sensor

January 15, 2020 – [Mouser Electronics](http://www.mouser.com), Inc., the New Product Introduction (NPI) leader empowering innovation, is now stocking the [PIR Click board](#)™ from [Mikroe](#). The PIR Click is a pyroelectric [sensor](#) supporting human presence detection for a range of consumer electronics and [Internet of Things](#) applications. The PIR Click board is equipped with an onboard [PL-N823-01](#) pyroelectric proximity infrared (PIR) sensor from [KEMET Electronics](#), which enables human detection through glass or resin. The high-performance sensor is an ideal solution for applications such as office automation, contactless switching, [lighting](#), air conditioners, and other consumer products.

The [Mikroe PIR Click board](#), available from Mouser Electronics, generates voltage when exposed to infrared radiation from human bodies. The low-power sensor is passively triggered by moving subjects, enabling it to deliver energy-saving performance in applications relying on human presence detection. The PIR Click board includes a white plastic Fresnel lens that filters visible light, allowing the sensor to detect the infrared signature emitted by humans. The onboard PL-N823-01 PIR sensor boasts KEMET's proprietary piezoelectric ceramic material and element structure, resulting in greater freedom of design for products using resin or glass.

The PIR Click board is part of the Mikroe [Click Board](#) ecosystem, a modular design that enables developers to connect any Click board to a standardized mikroBUS socket with no hardware configuration required. The versatile mikroBUS standard socket contains all necessary pins to connect Mikroe's complete range of Click boards, including wireless communication modules, sensor modules, and other accessories.

To learn more about the Mikroe PIR Click board, visit <https://www.mouser.com/new/mikroe/mikroe-pir-click/>. For more information on KEMET pyroelectric PIR sensors, including the PL-N823-01, go to <https://www.mouser.com/new/kemet-electronics/kemet-pyroelectric-ir-sensors/>.

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About Mouser Electronics

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About Mikroe

Mikroe is a fast-growing company that produces entire development toolchains for all major microcontroller architectures. Through its commitment to excellent, reliable and fully equipped hardware and software products, the company aims to help fellow engineers get the job done quickly.

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