

Timer Relay click



PID: MIKROE-5562

Timer Relay Click is a compact add-on board that allows you to control the load with a timer. This board features the NE5555, a precision timer from [Diodes Incorporated](#). It is a precision timing circuit capable of producing accurate time delays in a monostable mode of operation. The Timer Relay Click features the SRD-5VDC-SL-C, a relay from Ningbo, to control the connected load over the screw terminal. This Click board™ makes the perfect solution for developing and controlling high-power applications that require delayed timing.

Timer Relay Click 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.



ISO 27001: 2013 certification of informational security management system.
 ISO 14001: 2015 certification of environmental management system.
 OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).

Specifications

Type	Relay
Applications	Can be used for developing and controlling high-power applications that require delayed timing
On-board modules	NE5555 - precision timer from Diodes Incorporated
Key Features	Time-delayed operation, trigger control by the host MCU or over the button, digital potentiometer for setting the threshold, screw terminals for connecting the load, long mechanical life of the relay, and more
Interface	SPI
ClickID	Yes
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V

Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

Downloads

[Timer Relay click schematic](#)

[Timer Relay click 2D and 3D files](#)

[NE555 datasheet](#)

[SRD-5VDC-SL-C datasheet](#)

[TPL0501 datasheet](#)

[Timer Relay click example on Libstock](#)

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