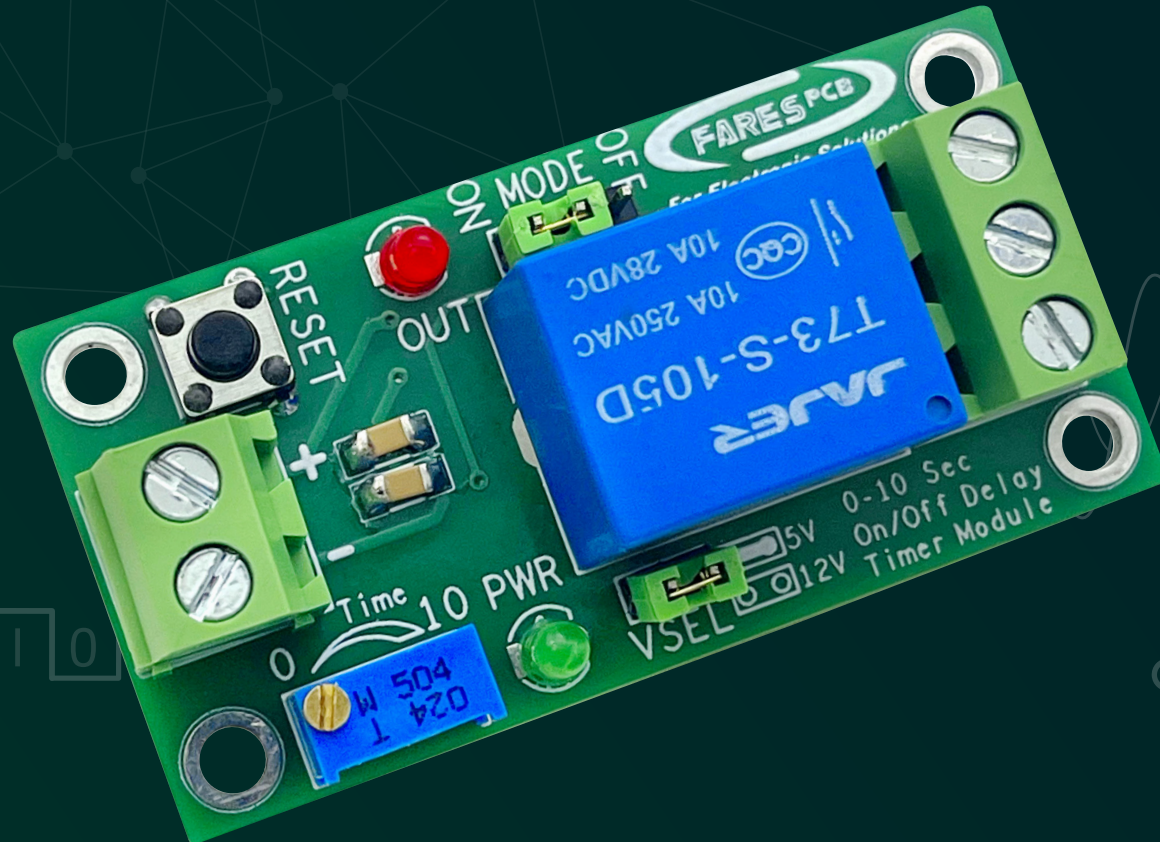




ON/OFF Delay Relay Module

General Description

The **ON/OFF Delay Relay Module** is a timer-based relay controller featuring a **555 timer** and an adjustable potentiometer for setting a delay from **0 to 10 seconds**. A jumper selector allows the module to operate in either **ON DELAY** or **OFF DELAY** mode, while a separate voltage selector provides **5 V or 12 V** input operation.

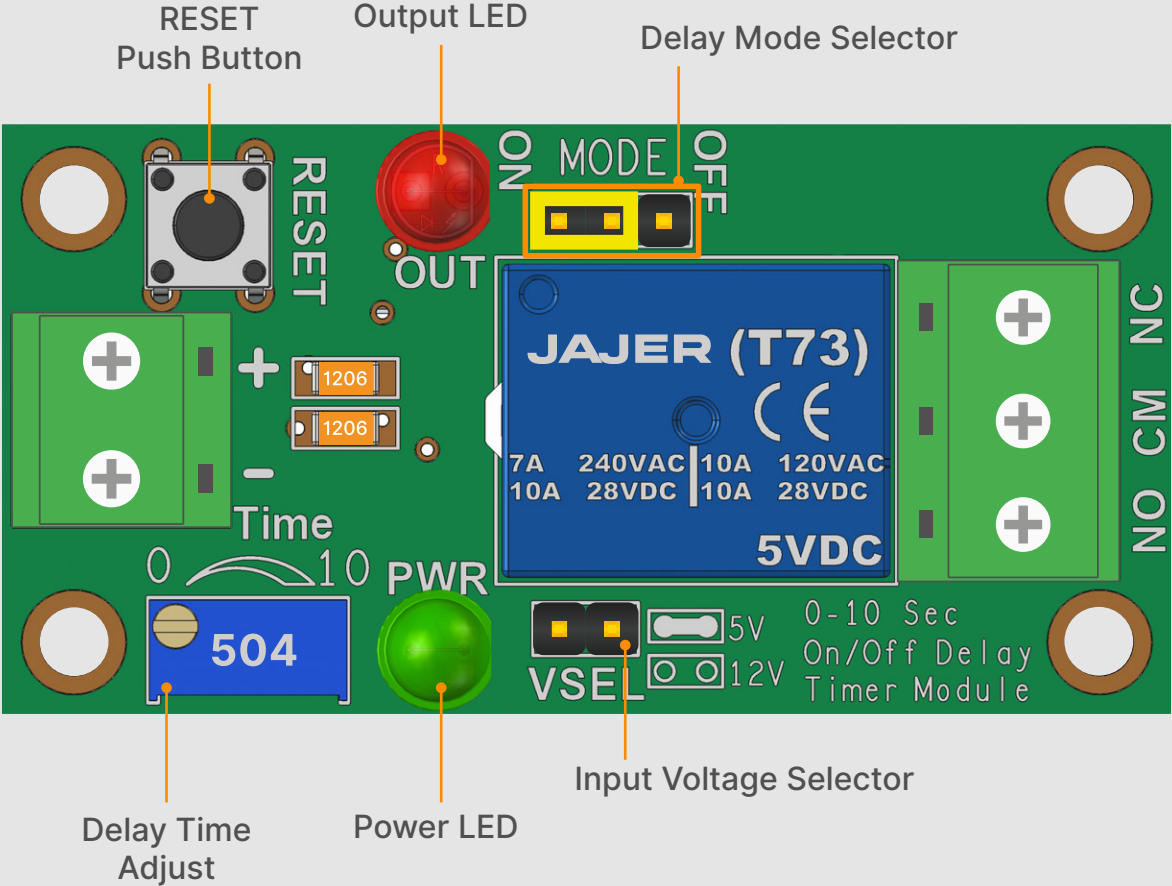
The module includes an onboard **RESET push button** for restarting the timing cycle, along with **GREEN power** and **RED output** LED indicators. Input reverse-polarity protection helps protect the module from incorrect power connection.

Dedicated screw terminals provide convenient connections for **power input and relay output**, while **3.2 mm mounting holes** are provided for secure installation.

Features

- **555 timer**-based delay control.
- Adjustable **0–10 second** delay.
- Selectable **ON DELAY / OFF DELAY** operation.
- Selectable **5 V / 12 V** input voltage.
- Onboard **RESET** push button.
- LED indicator:
 - **GREEN**: Power indicator.
 - **RED**: Output indicator.
- Input **reverse-polarity protection**.
- Screw terminals for **input and output**.
- **3.2 mm mounting holes** for installation.

ON/OFF Delay Relay Module Overview

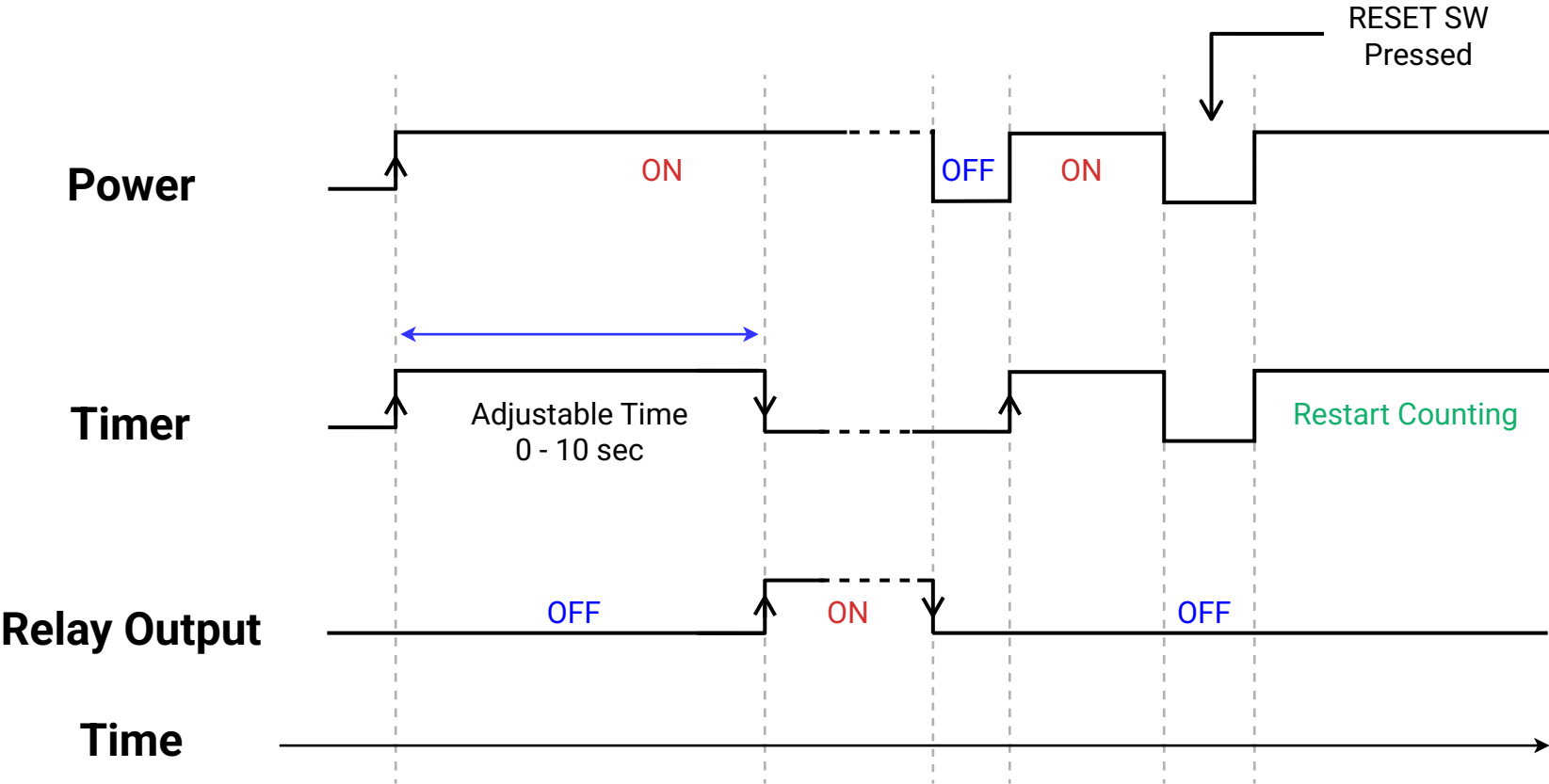


Functional Description

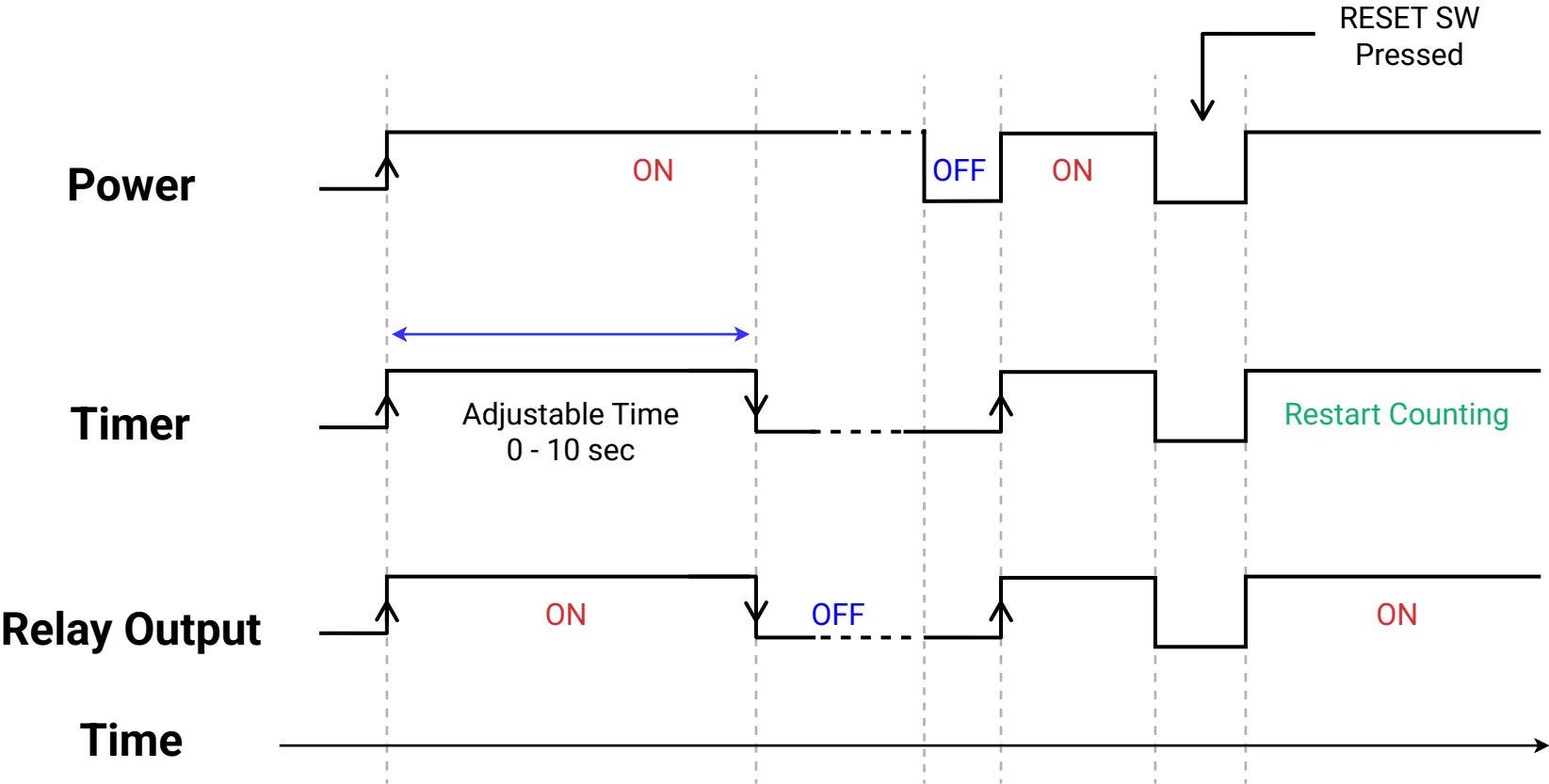
The module provides selectable **ON DELAY** and **OFF DELAY** relay operation using a 555 timer circuit. The delay period is adjustable from **0 to 10 seconds** using the onboard potentiometer.

The onboard **RESET** push button allows the timing cycle to be manually restarted, making it convenient to set and test the desired delay repeatedly without disconnecting and reconnecting the power supply. The operating mode and supply voltage are selected using dedicated onboard jumpers.

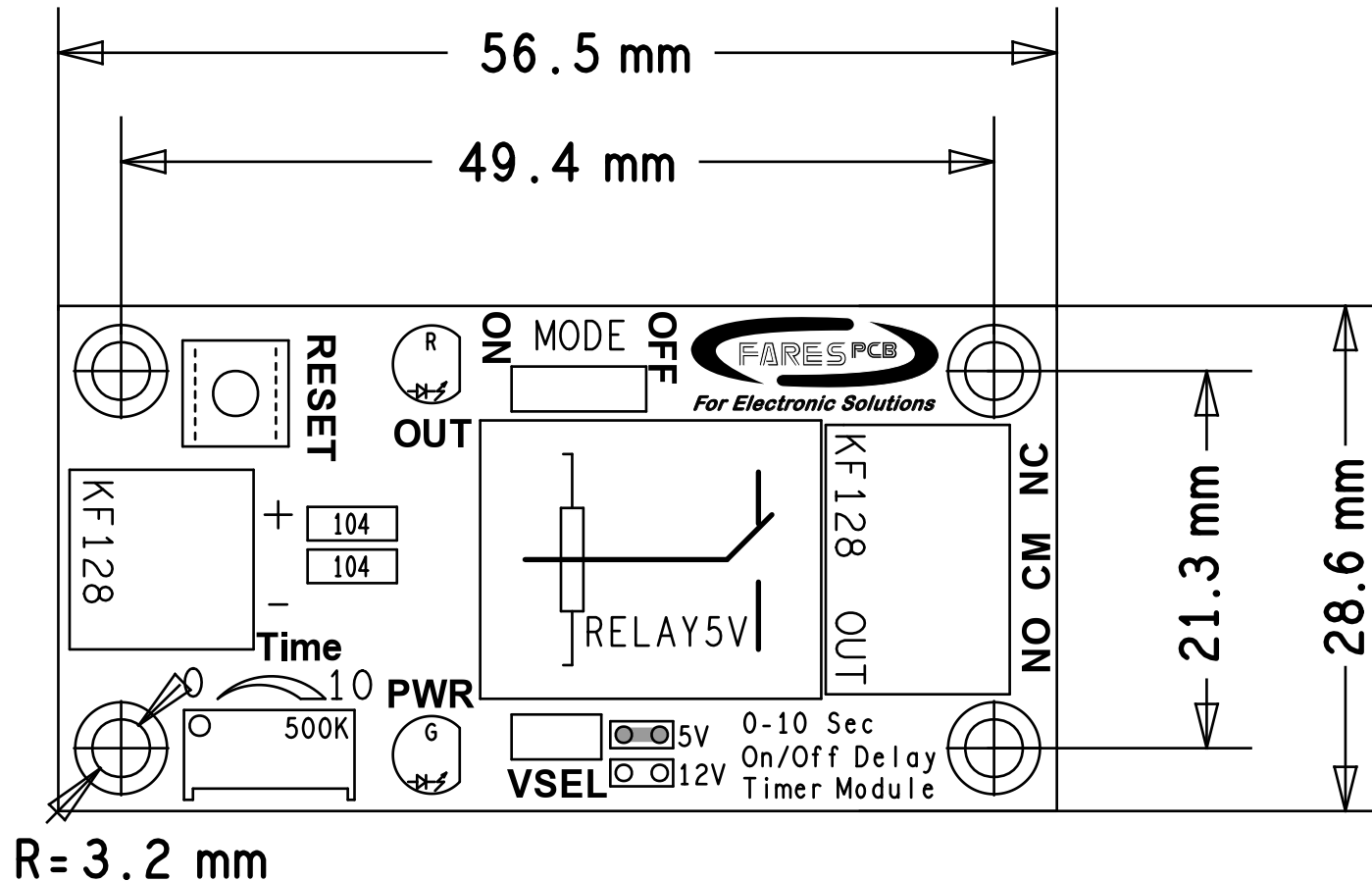
ON DELAY: The relay remains **OFF** when the timing cycle starts and switches **ON** after the selected delay period has elapsed.



OFF DELAY: The relay remains **ON** when the timing cycle starts and switches **OFF** after the selected delay period has elapsed.



Mechanical Dimensions Diagram



For the latest product updates and documentation, visit: www.fares-pcb.com
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