

Aproximate Timer VK111

When approximate time delays are required, the VK111 fills the need.

Sometimes you require delays that are only approximate, from a one shot timer to a cycling timer to power on delay the VK111 will fit your job. Requires 12 volts DC to operate at approximately 30 mA.



The on board Form C, 12 volt relay will allow you to control loads up to 5 amps.

The On and Pause adjust have a 1 to 250 range, for seconds this can be divided by 10, to make setting say 15 seconds easier.

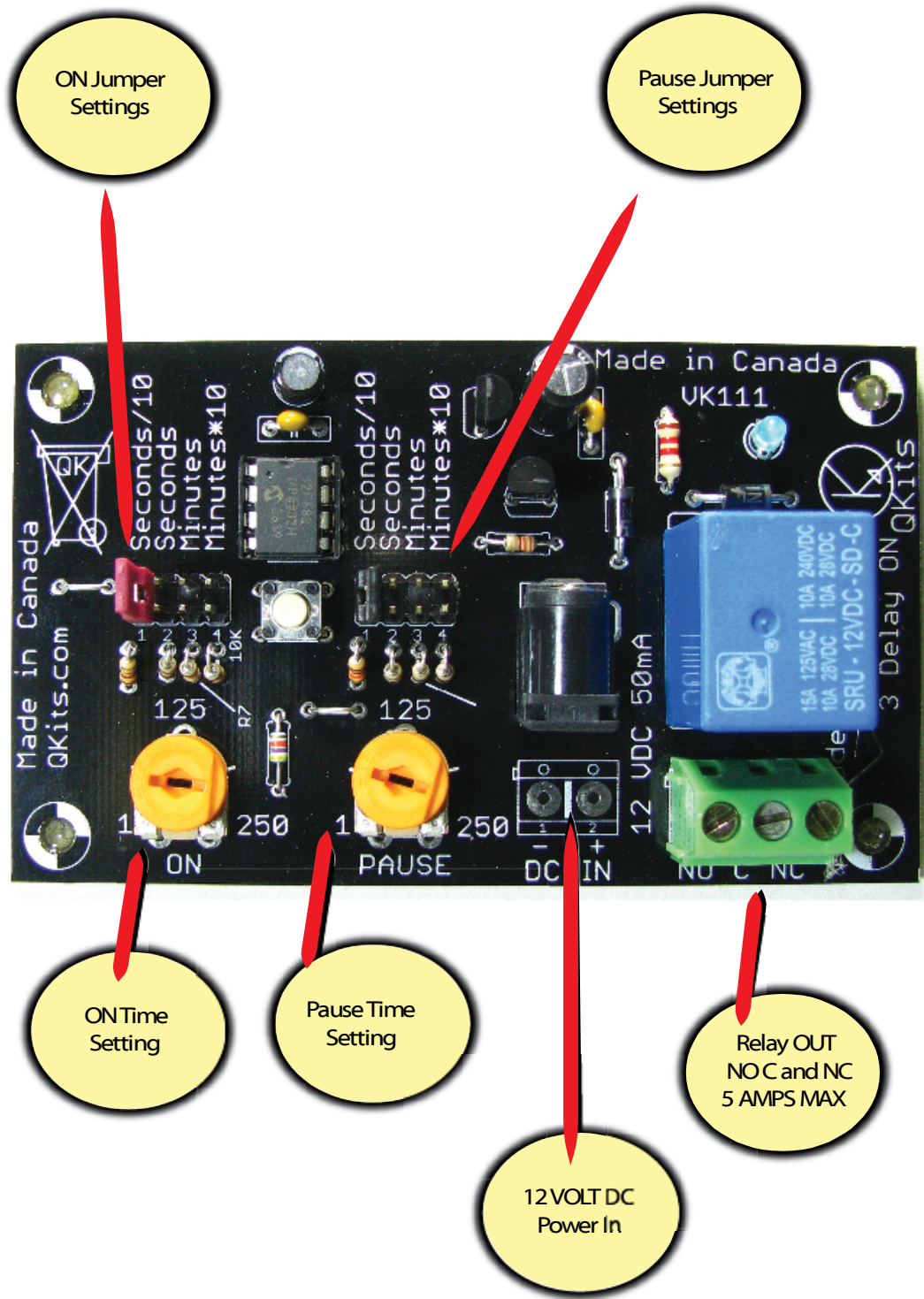
The range can be 1 to 250 minutes, or minutes multiplied by 10 for 2500 minutes. This works out to just over 41 hrs.

Each setting On and Pause have this ability independently.

Requires 12 volts DC at around 30 mA with the relay on.

Maximum Supply Voltage in 15 volts DC.

Maximum Relay contact voltage 220 Volts 4- 5 amps.



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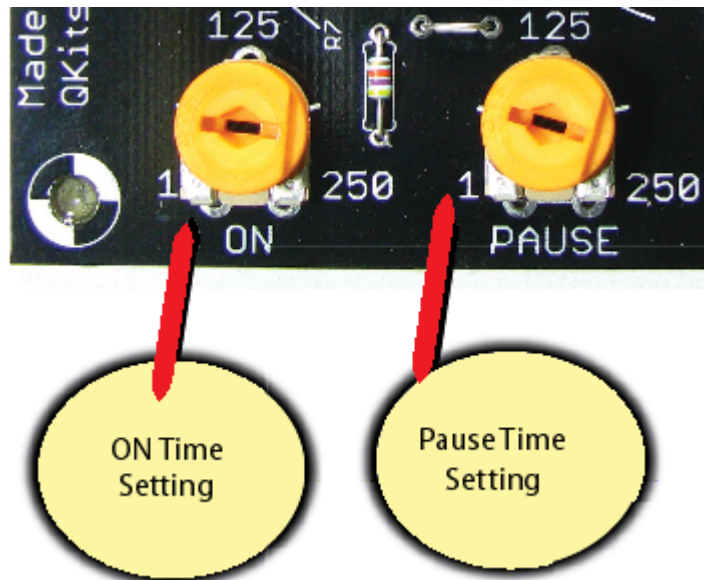
Barrel connector slots have been provided, but the 2 pole connector is the supplied for a power connector. A 3 Pole screw terminal is provided for the Relay contact connections, these are the normally open, normally closed and the common.

Setting your delays may require a restart of the timing process, for this use the mode button, a quick press and release will restart the timing process with the new values just selected.

4 time jumper multipliers are provided for each On and Pause times.

Setting times for say 10 minutes is fairly simple, use the time/10 jumper setting, dial in a 10 second on delay, press the mode button quickly (quick press and release = Reset), time the duration with a watch or count it out, once confirmed move the jumper to minutes and your all set. This works for either ON or Pause time.

The time adjusters are shown below.



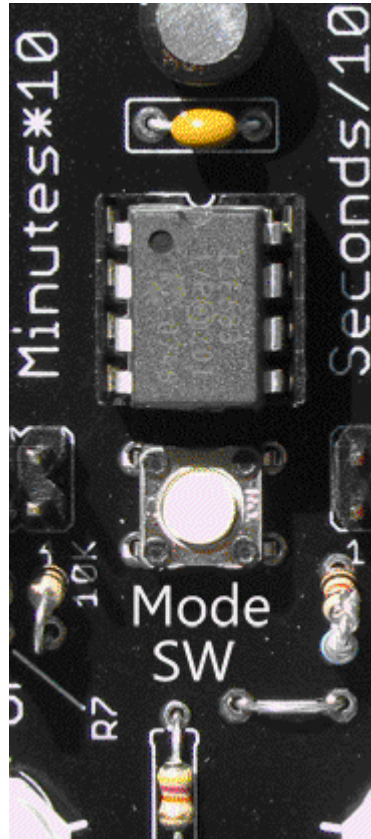
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The timer has several modes of operation, to access the modes, either to find out which mode the timer is in or to change the current mode, press and hold the mode button for second, then release.

The MODE button is just under the micro, shown on the right.

The relay will turn on and off indicating which mode is currently selected, one pulse for mode 1, 2 pulses for mode 2 and so on.

If you do nothing after the mode has been displayed the timer will flash the current mode value one more time, then exit. If you wish to change the mode, just press the mode button again before the timeout occurs.



- Mode 1 Makes VK111 a cycling timer, the relay will turn on for the specified ON time then Off for the specified Pause time. The values can be changed while the timer is running, but the timer always uses previous time settings for the next cycle, while it reads the new values while that time period is expiring. Press the Mode switch quickly to restart the timing with current values.
- Mode 2 One Shot, will come on for the amount of time specified by the On jumpers and On time pot. Once the time period has expired the relay will be turned off and the VK111 will sit idle until, powered down and powered up again, or the Mode switch is quickly pressed and released.
- Mode 3 is a Delay ON the timer will use the value set by the Pause control for the delayed on time period, once this time has expired the relay will be turned ON and kept ON until powered down or the Mode switch is quickly pressed and released.