

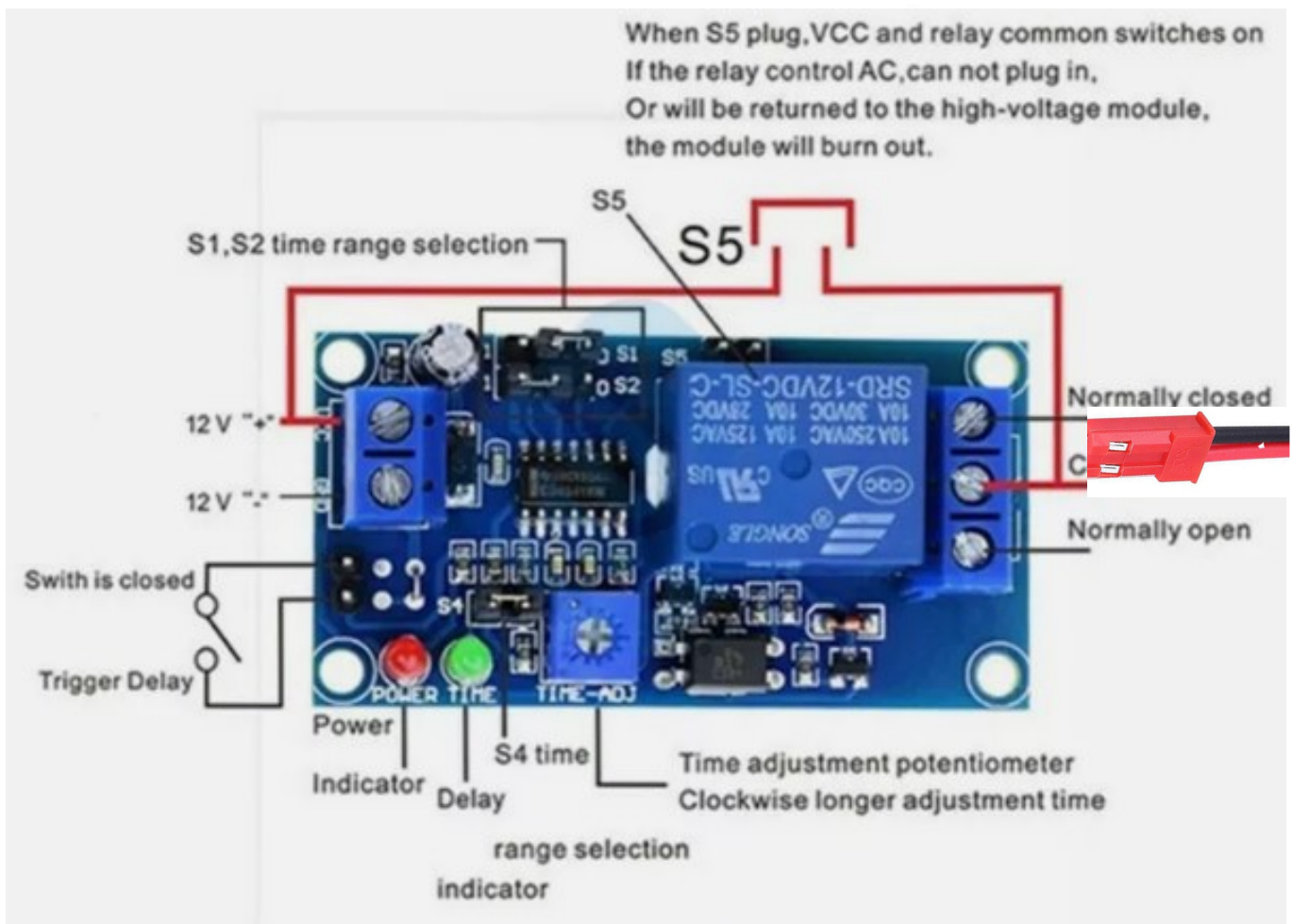
# World Chips 12 V timer



manufactured by **WORLD CHIPS**  
Based in China  
worldchips has been an eBay member since Dec 11, 2011

Ebay Link as of 18-02-18

<https://www.ebay.com/itm/DC-12V-Delay-Timing-Timer-Relay-Turn-ON-Turn-OFF-Switch-Module-Time-10A/332506888918?hash=item4d6af47ad6:g:ngsAAOSw4PxaTDka>







Activation Plug - JST 2 Pin Male Female Connector





**PDF-12 Volt Timer diagram**

# 12 Volt DC Power supplies both the timer and the item timed to work with an internal connection.





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S1			<b>1 Second to 15 Seconds</b>
S2			





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S1			<b>1 Second to 60 Seconds</b>
S2			

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S1			<b>1 Minute to 8 Minutes</b>
S2			

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S1			<b>6 Minutes to 60 Minutes</b>
S2			

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## S5—leave attached to run the relay From the timer power 12 V DC

S1 = Switch 1

S2 = Switch 2

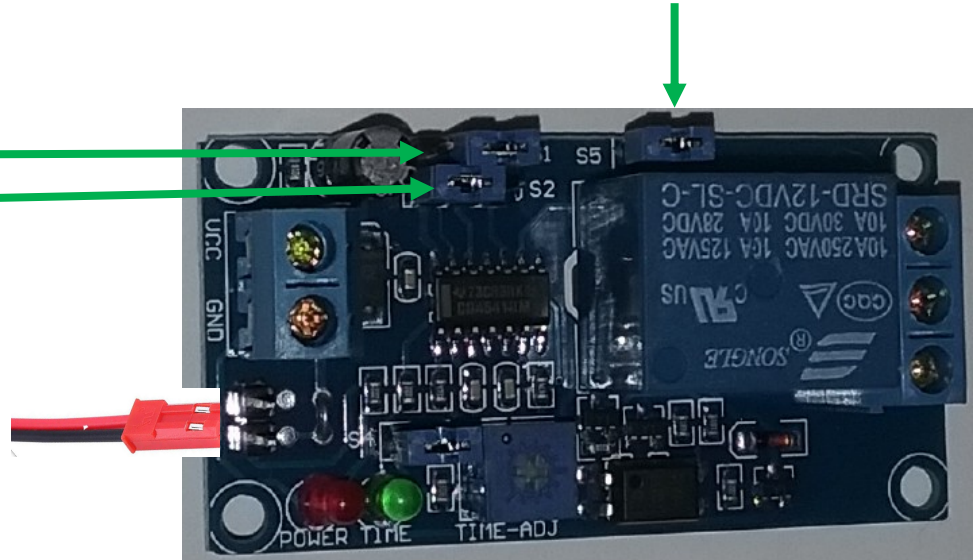
**Notes**

**NC = Normally Closed**

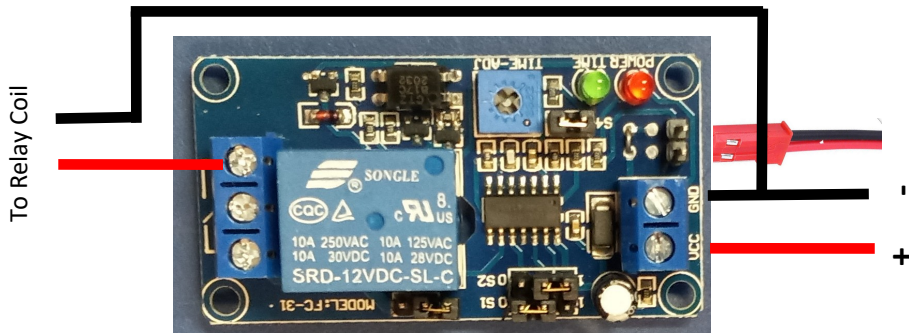
**NO = Normally Open**

**+ = Positive DC**

**- = Negative DC**



# Timer Wiring Choices

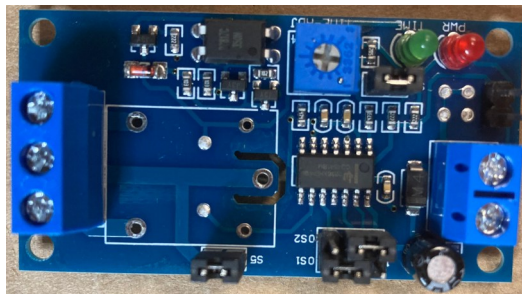


This is the original Timer purchased as of today and it looks the same.

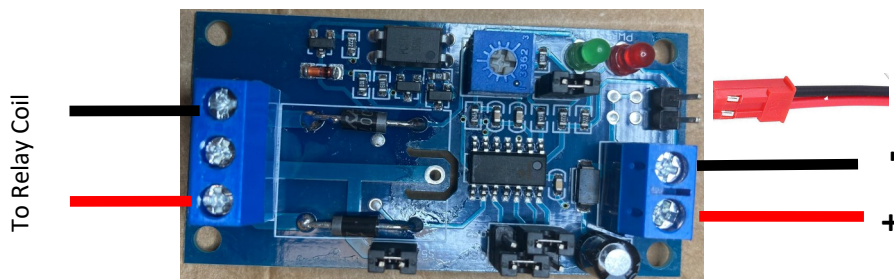
This timer is wired to activate a 12 Volt DC Relay by activating the timer's attached relay. The timer/relay is a one circuit relay as purchased and can use the same power source to use the



Activation Plug - JST 2 Pin Male Female Connector



This timer is shown with the Relay removed. I have used these timers after removing the relays mostly because some of the attached relays have failed. The timers seem to work



This timer is shown with two diodes replacing the relay.

After I removed the attached relay I then soldered in two diodes across the solder points of the relay. This allows me to wire directly through the timer to activate another relay.