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UNIVERSAL TIMER BULLETIN

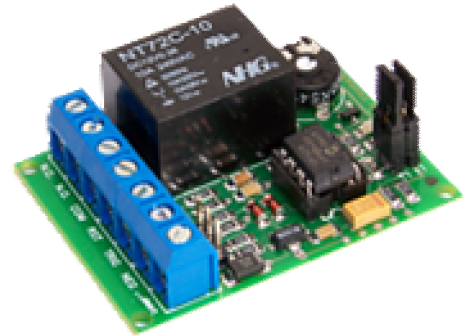
Versatile Timer

Application

- ▶ Any timed application.

Specifications

- ▶ 12VDC power supply.
- ▶ Current drain – 5,7mA standby.
- ▶ Positive or negative trigger input.
- ▶ Positive Reset input.
- ▶ Adjustable time from **2 seconds to 3 hours**.
- ▶ Normally open and normally closed relay contacts.



Wiring Diagram

- Pin 1** " Normally Closed" Relay contact.
- Pin 2** " Normally Open" Relay contact.
- Pin 3** " Common" Relay contact
- Pin 4** " Reset In"
- Pin 5** " Trigger In"
- Pin 6** " Negative" 12VDC
- Pin 7** " Positive" 12VDC.

Ease of use

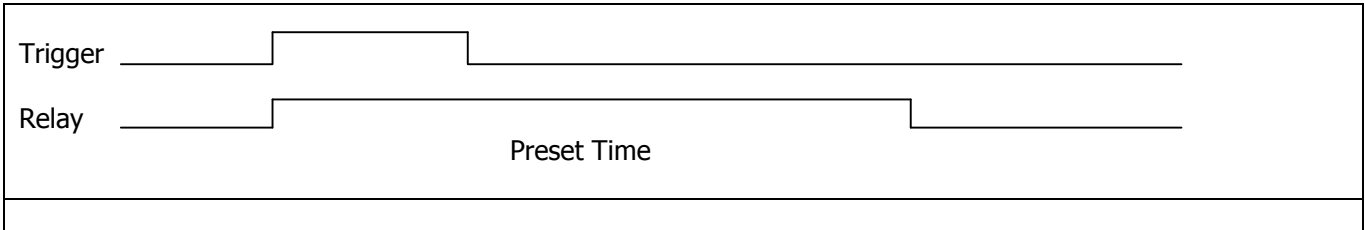
- ▶ Quick and easy timer adjustment.
- ▶ Apply / Remove relevant (L1 / L2) Links and Trigger link, + or – as required.
- ▶ Always remove power when changing link settings.

LINK	MIN	MAX
No Link	2 Seconds	30 Seconds
L2 On	30 Seconds	3 Minutes
L1 On	3 Minutes	30 Minutes
L1 + L2 On	30 Minutes	3 Hours

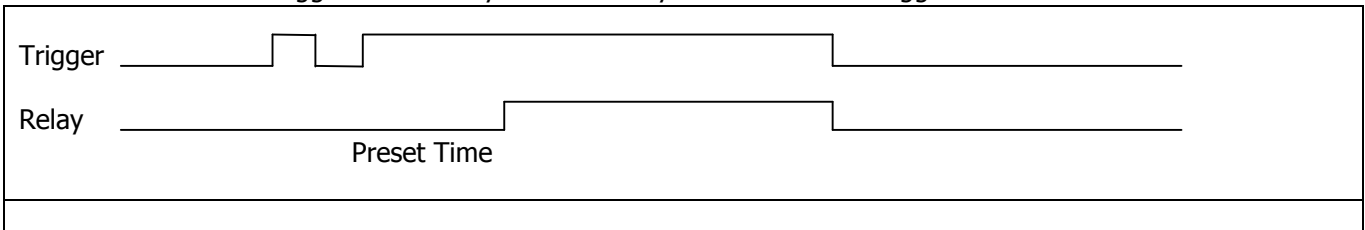
- ▶ Adjust pot clockwise to increase timer from minimum to maximum settings.

The Universal timer may be configured to Other Software Versions as below

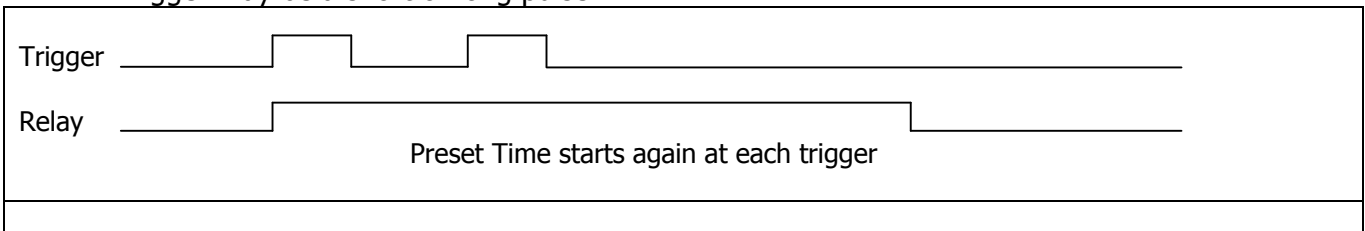
- ▶ **Versatile Timer: - Default standard (Relay ON for preset time after trigger)**
Single trigger(pos or neg) – relay on for set time - then relay is switched off.



- ▶ **Delay Timer: - (Ignores a short pulse, delay a trigger)**
Continuous trigger - time delayed - then relay is switched until trigger is removed.

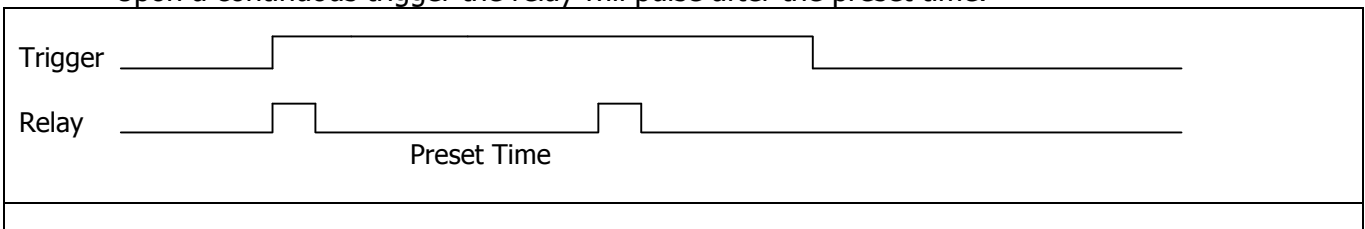


- ▶ **Retriggerable Timer: - (Timing starts again with each new trigger)**
Trigger may be a short or long pulse.

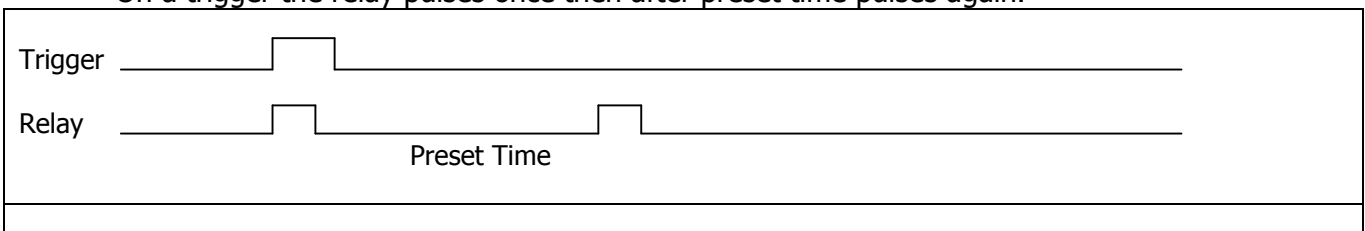


- ▶ **Pos only trigger Timer: - (Standard operation)**
Will only operate on a POS trigger as per standard timing diagram.

- ▶ **Wiper Timer: - (Pulse devices after preset time)**
Upon a continuous trigger the relay will pulse after the preset time.



- ▶ **Autoclose Timer: - (Two pulses preset time apart)**
On a trigger the relay pulses once then after preset time pulses again.



- ▶ **One Shot Timer: - (Relay latches after trigger until power down)**
If triggered the relay will stay on until power is removed.

- ▶ **Power on Timer: - (No trigger necessary)**
When power is applied the unit will time out as per standard operation.

APPLICATION

The versatile timer may be configured as eight independent timers:

Standard Versatile Timer

Wiper Timer

Delay Timer

Autoclose Timer

Re-triggerable Timer (extender timer)

One Shot Timer

Positive Trigger only Timer(PIR Timer)

Power on Timer

Decide which timer version you require and insert the relevant links (Table1)

Use wire links to connect RST to TRIG and to POS.

Apply 12V DC, the led will light up for 5 seconds, if the option required is from Type 1 then wait for the led to flash to confirm the selection, else remove the RST link

ONLY during the 5 seconds to choose an option from Type 2.

Remove power, disconnect RST and TRIG from POS.

Select your time options as previously with Link 1 and 2 (Table2), and the trigger option.

Re-apply power and operate the timer in the newly selected mode, this new mode is saved in non-volatile EEPROM so is maintained even if power is removed.

Factory setting is Versatile Timer.

Pot is adjusted clockwise to achieve the time setting between minimum and maximum values.

Remove power when changing the time or trigger link settings.

TABLE 1			
L1 & L2		Type 1	Type 2
Off	Off	Versatile	Wiper
Off	On	Delay	Autoclose
On	Off	Retrig	One Shot
On	On	Pos only	Power On

TABLE 2	
L1 & L2	Time
Off Off	3 to 30 seconds
Off On	30sec to 3min
On Off	3min to 30min
On On	30min to 3hrs