

## COUNTER

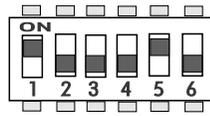
The unit can count trigger inputs from 0 to 9999.

The RESET Input will reset the value back to 0

### Programming :

1. Select **DIP 5 & 1 = ON** (all others off). The unit will Flash F--6

\* This function is factory set and can not be changed.



## COUNT DOWN TRIGGER OUTPUT

The unit can be triggered with a very short trigger either Pos/Neg.

The polarity must be selected by the user. The unit counts down the input pulses until it reaches zero.

When the count reaches zero, the relay will trigger for 1 second and then start again from the SET count value.

A RESET will restart the count at the programmed SET point.

### Programming :

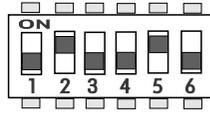
1. Select **DIP 5 & 2 = ON** (all others off). The unit will Flash F--7

2. Press the **SET** button.

3. Use the < (Down) & > (Up) Buttons to select the value you want to set. Max allowable limit is: 9999

4. Press the **SET** button to save the value.

5. Continue with step 2 - 4 until all the values are set.



## FALSE ALARM PREVENTION

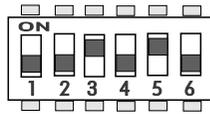
The unit must be triggered at least twice within a 5 seconds window period. This will prevent false activations occurring.

The Relay will trigger for 3 seconds.

### Programming :

1. Select **DIP 5 & 3 = ON** (all others off). The unit will Flash F--8

\* This function is factory set to output for 3 seconds when triggered and can not be changed.



## MOMENTARY TO LATCHING OUTPUT

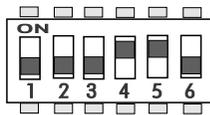
The unit can be triggered with a very short trigger either Pos/Neg.

The Relay will latch closed. If another pulse is triggered the Relay will unlatch

### Programming :

1. Select **DIP 5 & 4 = ON** (all others off). The unit will Flash F--9

\* This function is factory set and can not be changed.

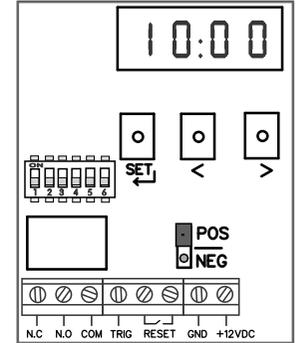


## Multi-function Timer Module

Model No: **TIMER**

### Specifications:

Power input range.....	10V ~ 14V DC
Functions.....	1sec to 59minute timer output
.....	1minute to 24hours timer output
.....	Auto door closure
.....	Guard awake timer
.....	Pulse stretcher
.....	Counter
.....	Count down trigger output
.....	False alarm prevention
.....	Momentary to latching
Trigger Input.....	Positive / Negative
Reset Input.....	Normally open potentially free
Relay output Load @ 12V DC.....	1AMP
Dimensions.....	52 X 65mm (PCB)
Product release date.....	April 2011
Software revision date.....	Jan 2013



### Applications:-

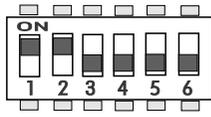
The **TIMER** can be programmed with 9 different functions. This module can be used for customising siren output times, beam bypass, guard awake and auto gate & garage door closure applications. A variety of applications and functions are visualised for this product and with a bit of imagination the unit will solve various security installation issues.

### Functions:-

- Timed Relay output from 1sec to 59minutes & 59 seconds
- Timed Relay output from 1Minute to 23 hours
- Auto garage door closure
- Guard awake timer
- Pulse stretcher
- Counter
- Count down trigger output
- False alarm prevention
- Momentary to Latching

Please note: \* EEEE on the display indicates a non valid dip-switch setting.

### TIMED RELAY OUTPUT (RE-TRIGGABLE) : Minutes : Seconds



Once the unit is triggered with either a NEG/POS on the TRIG input it will Switch the Relay for the Set time.

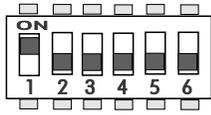
The Max time you can set is: 59 Minutes : 59 Seconds.

At any time the unit can be reset via connecting the RESET inputs with a Normally open potentially free contact

#### Programming :

1. Select DIP 1&2 = ON (all others off). The unit will Flash, F---
2. Press the **SET** button.
3. Use the < (Down) & > (Up) Buttons to select the value you want to set.
4. Press the **SET** button to save the value.
5. Continue with step 2 - 4 until all the values are set.

### TIMED RELAY OUTPUT : Minutes : Seconds



Once the unit is triggered with either a NEG/POS on the TRIG input it will Switch the Relay for the Set time.

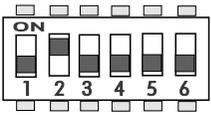
The Max time you can set is: 59 Minutes : 59 Seconds.

At any time the unit can be reset via connecting the RESET inputs with a Normally open potentially free contact

#### Programming :

1. Select DIP 1 = ON (all others off). The unit will Flash, F-- |
2. Press the **SET** button.
3. Use the < (Down) & > (Up) Buttons to select the value you want to set.
4. Press the **SET** button to save the value.
5. Continue with step 2 - 4 until all the values are set.

### TIMED RELAY OUTPUT : Hours : Minutes



Once the unit is triggered with either a NEG/POS on the TRIG input it will Switch the Relay for the Set time.

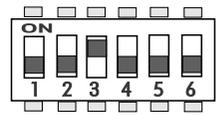
The Max time you can set is: 23 Hours and 59 Seconds.

At any time the unit can be reset via connecting the RESET inputs with a Normally open potentially free contact

#### Programming :

1. Select DIP 2 = ON (all others off). The unit will Flash F--2
2. Press the **SET** button.
3. Use the < (Down) & > (Up) Buttons to select the value you want to set.
4. Press the **SET** button to save the value.
5. Continue with step 2 - 4 until all the values are set.

### AUTO GARAGE DOOR / GATE CLOSURE : Minutes : Seconds



Once the gate or garage door is left open for longer than the

SET time, the unit will trigger the Relay for 1 second.

The Max time you can set is: 59 Minutes & 59 Seconds. 59:59

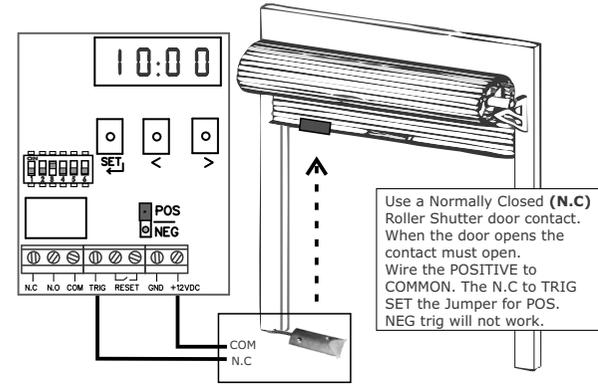
The unit automatically resets when the door closes.

\* The **RESET** Input is **disabled** in this function.

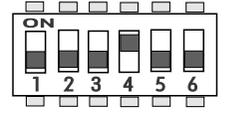
This function will only work with a POS trigger

#### Programming :

1. Select **DIP 3 = ON** (all others off).  
The unit will Flash F--3
2. Press the **SET** button.
3. Use the < (Down) & > (Up) Buttons to select the value you want.
4. Press the **SET** button to save the value.
5. Continue with step 2 - 4 until all the values are set.



### GUARD AWAKE TIMER



A guard will need to RESET the unit within the SET time in order to prevent the unit from triggering a "FAIL TO PATROL" output RELAY.

The RESET needs to be pressed and released in order to reset the timer back. This prevents anti-jamming of the RESET input.

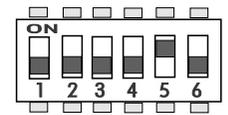
The max time you can set is: 59 Minutes and 59 Seconds.

The unit will continue to re-trigger when the time runs out.

#### Programming :

1. Select **DIP 4 = ON** (all others off). The unit will Flash F--4
2. Press the **SET** button.
3. Use the < (Down) & > (Up) Buttons to select the value you want to set.
4. Press the **SET** button to save the value.
5. Continue with step 2 - 4 until all the values are set.

### PULSE STRETCHER



The unit can increase or stretch a very short trigger pulse to 3 Seconds.

Applications include connecting to Window Vibration sensor which trigger a very short pulse when triggered.

With this device you can connect the Vibration sensor to a Transmitter which requires a longer trigger input.

\* The **RESET** Input is **disabled** in this function.

#### Programming :

1. Select **DIP 5 = ON** (all others off). The unit will Flash F--5
- \* This function is factory set to output for 3 seconds when triggered and can not be changed.