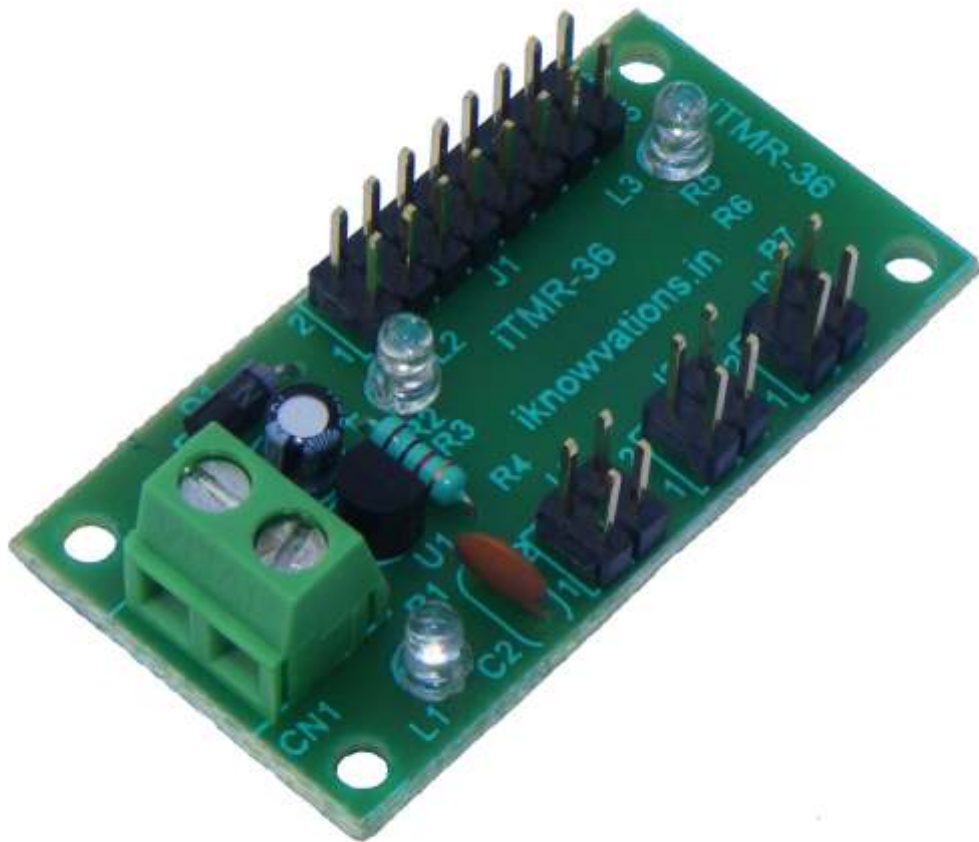
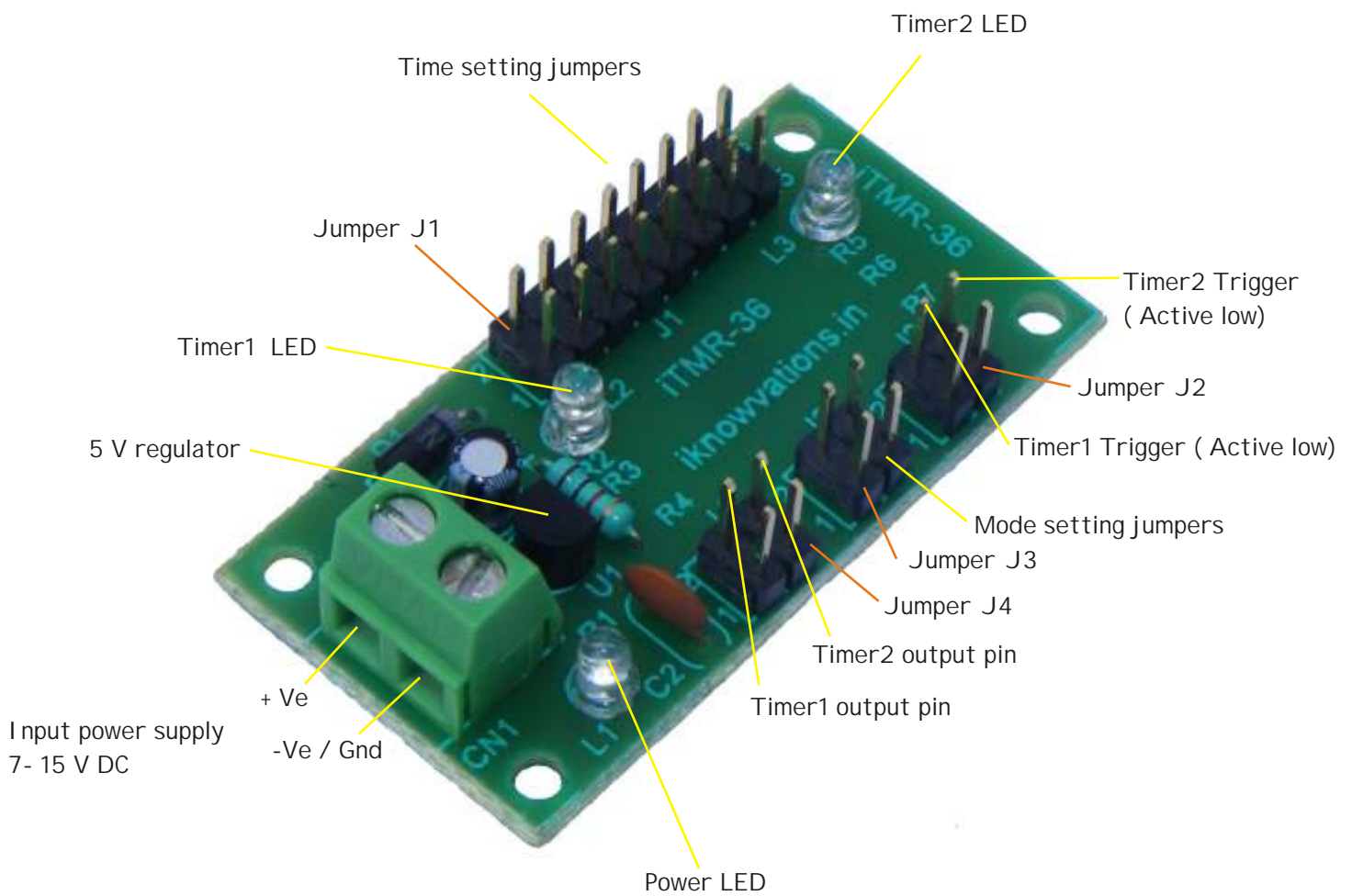


User Manual



iTMR-36 detail





Time setting detail.

Time can be set from 1 to 15 units by setting relevant jumpers of J1. The units can be 1 second, 15 seconds, 30 seconds & 1 Minute. The setting of units can be done through J3. So the time can be set from 1 second to 15 minutes.

J1 Settings (for number of units)

Pin 7 & 8 Pin 15 & 16	Pin 5 & 6 Pin 13 & 14	Pin 3 & 4 Pin 11 & 12	Pin 1 & 2 Pin 9 & 10	Timer 1 units Timer 2 units
C	C	C	NC	1
C	C	NC	C	2
C	C	NC	NC	3
C	NC	C	C	4
C	NC	C	NC	5
C	NC	NC	C	6
C	NC	NC	NC	7
NC	C	C	C	8
NC	C	C	NC	9
NC	C	NC	C	10
NC	C	NC	NC	11
NC	NC	C	C	12
NC	NC	C	NC	13
NC	NC	NC	C	14
NC	NC	NC	NC	15

NC - Not Connected.
C - Connected.

J3 Settings (for Mode setting)

Pin 3 & 4	Pin 1 & 2	Mode
C	C	Seconds
C	NC	15 seconds
NC	C	30 Seconds
NC	NC	Minutes



Operation-

This timer module is very easy to operate. It has got 2 outputs and 2 trigger inputs. Trigger inputs are active low. That means normally this pins will be High (5 V). The pin has to be made low to trigger the timer.

Once it is triggered, the relevant output pin will go high (5 V) immediately. It will remain high till the programmed time is elapsed. The relevant LED (L2 for Timer 1 & L3 for Timer2) will blink at 1 second rate (one second ON, one second OFF) during any Timer ON period.

Please note that any timer can not be re triggered till first operation is not finished. The trigger is edge based that means only High to Low transition of the trigger pin level will start the timer. Once the trigger pin is made low, it has to be made high before next trigger. If it remains low, the timer will not trigger again even if the time is elapsed.

First program the module as per your requirement. For example if you want to have time setting of say 10 seconds for Timer1, connect 1&2 , 3&4 pins of J3. This will put module in Seconds mode. Now connect 1&2, 5&6 pins of J1 (for Timer1). Apply the power.

Now you can start the timer by making Trigger pin of Timer 1 low externally or by connecting a Push to ON switch between pins 1 & 2 of J2 briefly. This will start Timer1. The output pin will go High and after 10 seconds it will become low.

The same way you can program the Timer2 by use of pins 9 to 16 of J1.

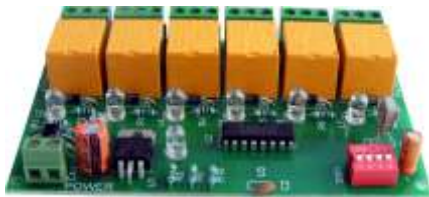
Technical Details -

1. Input power supply - 7 to 15 V DC. 50 mA min.
2. Any pin High - 5 V
3. Any pin Low - 0 V
4. Output pin current - 10 mA max.
5. Timer period - 1 Second to 15 Minutes.

If you have any questions or need more information or want to have some different settings, do contact our support team at support@iknowvations.in.

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12 channel I R Remote control Board - iR-12C

6 channel I R Remote control Board - AZ6CR-03



U452 is an USB based Relay Card having 4 relays, up to 16 I/O channels & 8 ADC channels. The ADC resolution is 8/10/12 bits user selectable.

R242 is an RS232 based Relay Card having 4 relays, up to 9 I/O channels & 4 ADC channels. The ADC resolution is 10 bits.



Ethernet based DAQ & I/O card.

6 digit 7 segment Multipurpose LED Counter



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