



Generation II™ Timer



SONCELL NORTH AMERICA
A PUBLIC SAFETY COMPANY

INSTRUCTIONS

Rev. 3-1-17



GENERAL

The Generation II has a programmable timer. This instruction sheet shows how to set and use the timer.

General Notes

The timer is used to shut off the relay on the Fuse board when the time-out period ends. This time-out period starts when the ignition is shut off. If the ignition is on, the timer is overridden and no time-out will occur. The constant-on circuits are not affected by the timer.

Timer Dip Switches (Switches 1-3)

The time-out function is set by the first three dip switches that are located on the Fuse board (see Figure 1). These three switches can vary the time-out set point from zero (0) minutes to six (6) hours. In addition, there is self-test function which sets the time-out to zero (0) minutes for testing. A chart showing the timed settings is shown in Figure 2.

The dip switches can be set while the timer is powered on and the new dip switch settings take effect immediately unless the timer is already in a time-out sequence. If so, then the timer will use the settings on the next time-out.

Timer Dip Switches (Switches 4&5)

The fourth and fifth dip switches on the Fuse board are used to set the High & Low voltage detect.

Switch 4 - Can be set to either "on" or "off".

If set to "on" it will detect the occurrence of high voltage. If the vehicle battery voltage is detected as being over approximately 15.6 VDC the timer will shut off the relay in order to protect the timed circuits.

Switch 5 - Can be set to either "on" or "off".

If set to "on" it will detect the occurrence of low voltage. If the vehicle battery voltage is detected as being below approximately 10.6 VDC, the timer will shut off the relay in order to protect the timed circuits.

Note: Both low and high voltage, if enabled, will still detect even if the ignition switch is on. Turning off the low voltage or high voltage detect will disable that function.

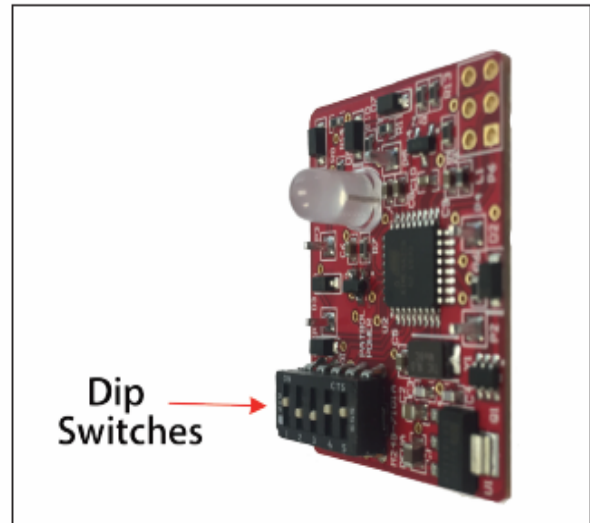


Figure 1
Dip Switches Location

Dip switch settings:					
Switch	1	2	3	4	5
Test	OFF	OFF	OFF		
15 min =	ON	OFF	OFF		
30 min =	OFF	ON	OFF		
1 hour =	ON	ON	OFF		
2 hour =	OFF	OFF	ON		
3 hour =	ON	OFF	ON		
4 hour =	OFF	ON	ON		
6 hour =	ON	ON	ON		
High voltage detect				ON	
Low voltage detect					ON

Figure 2
Switch Settings

LED Status Indicator

Solid Green - Timer is on and waiting to start a timed event

Flashing Green - (every 1 second) = After time-out occurs, timer enters low power standby mode.

Flashing Green - (every 5 seconds) = Low power standby mode

Solid Red = High or Low voltage detect error