



Generation II™ Timer



SONCELL NORTH AMERICA
A PUBLIC SAFETY COMPANY

INSTRUCTIONS

REV. 8-1-22

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 eight (8) hours. A chart showing the timed settings is shown in Figure 2.

Timer Dip Switches (Switches 4 - 6)

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 17 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", the timed circuits will only energize when voltage is sensed on the "ignition input" wire. If set to "off" the timed circuits will energize if the voltage in the car rises above 13.8 VDC. This feature is useful if there is no clearly identifiable switched ignition wire available in the vehicle.

Switch 6 - Can be set to either "on" or "off". If set to "on", there will be a delay energizing the non-timed ignition output of 3 seconds. This is useful in preventing components connected to this wire from energizing, shutting down and re-energizing during the starting cycle. If set to "off", there will be a delay of 1/2 second (circuit virtually immediately energized).

FIGURE 1 DIP SWITCH LOCATION

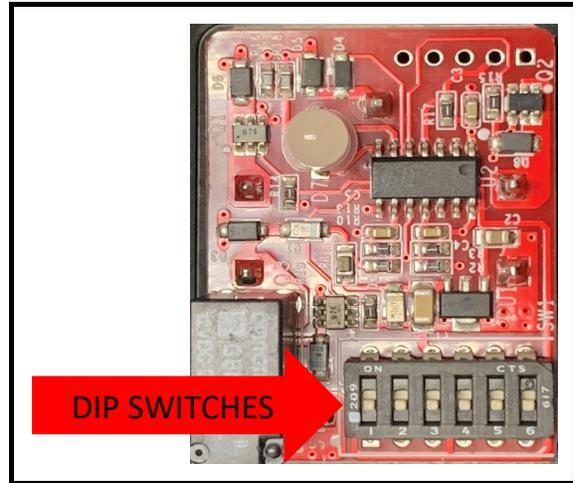


FIGURE 2 DIP SWITCH SETTINGS

DIP SWITCH SETTINGS						
SWITCH	1	2	3	4	5	6
TEST - 0 MIN	OFF	OFF	OFF			
30 MIN	ON	OFF	OFF			
1 HOUR	OFF	ON	OFF			
2 HOURS	ON	ON	OFF			
3 HOURS	OFF	OFF	ON			
4 HOURS	ON	OFF	ON			
6 HOURS	OFF	ON	ON			
8 HOURS	ON	ON	ON			
OVERVOLTAGE				ON		
VOLTAGE SENSE					ON	
IGNITION DELAY						ON

LED STATUS INDICATOR

NO LED ILLUMINATION - NO POWER TO MODULE

GREEN SOLID - IGNITION VOLTAGE OR 13.8VDC PRESENT OUTPUT CONNECTED

GREEN FAST FLASH - TIMED OUTPUTS ENGAGED - TIMER COUNTING DOWN

GREEN SLOW FLASH - TIMED OUTPUTS DISENGAGED - COUNTDOWN COMPLETE

RED SLOW FLASH - UNDERVOLTAGE SITUATION - OUTPUTS DISENGAGED

RED FAST FLASH - OVERVOLTAGE SITUATION - OUTPUTS DISENGAGED