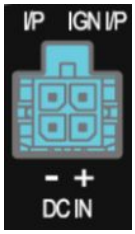
Ignition Sensing

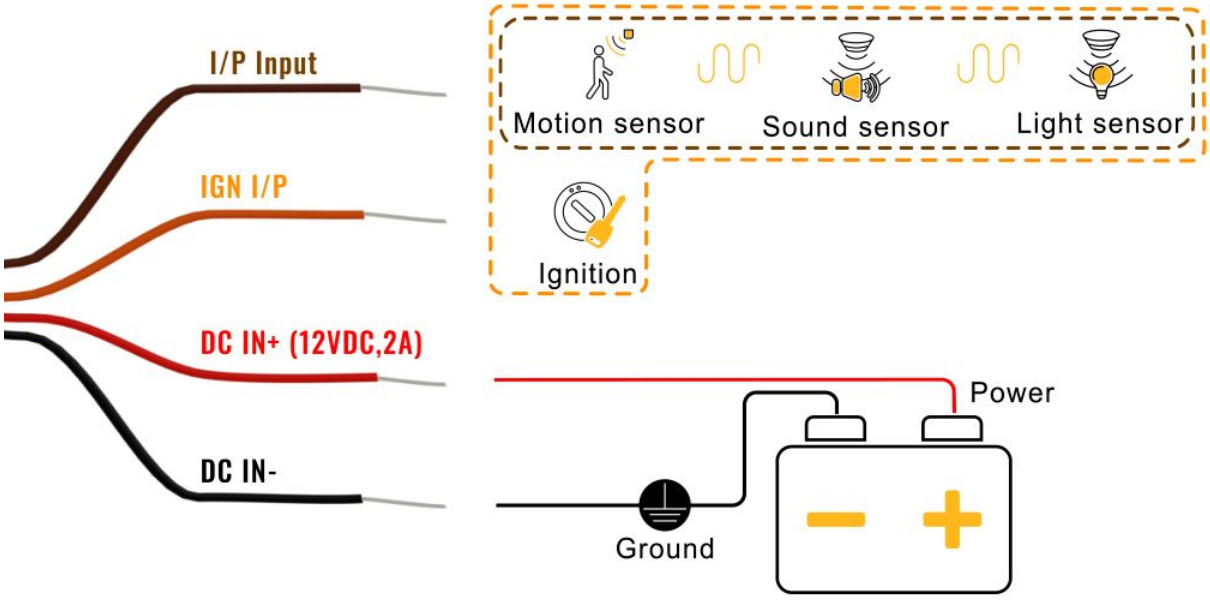
Ignition Sensing detects the ignition signal status of a vehicle it is installed in.

This feature allows the cellular router to start up or shut down when the engine of that vehicle is started or turned off.

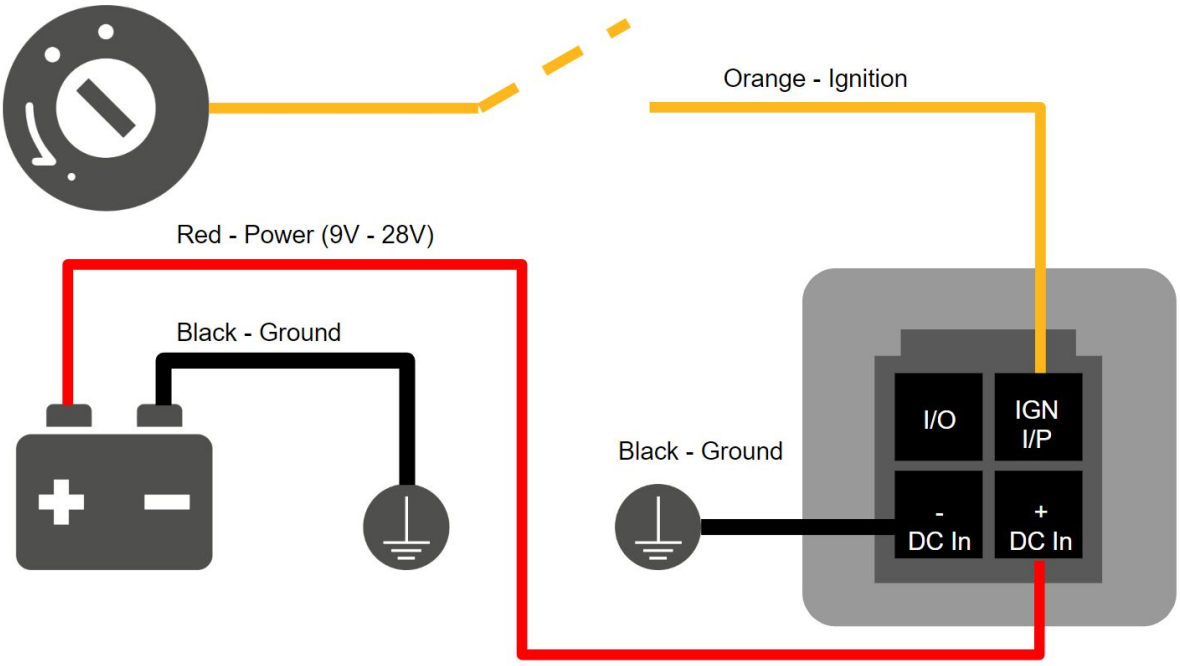
The time delay setting between ignition off and power down of the router is a configurable setting, which allows the router to stay on for a period of time after the engine of a vehicle is turned off.

Ignition Sensing installation

	Function		Colour Wire
	**I/P**	input	Brown
	IGN I/P	connected to positive feed on the ignition .	Orange
	DC IN -	connected to permanent negative feed (ground)	Black
	DC IN +	connected to permanent positive feed (power 12VDC, 2A)).	Red



Connectivity diagram for devices with 4-pin connector



GPIO Menu

The Ignition Sensing options are available in **Advanced > GPIO**
The configurable option for Ignition Input is **Delay;** the time in seconds the router stays powered on after the ignition is turned off.

Still under development:

O/P (connected to I/O pin on 4 pin connector) can be configured as a digital input, digital output or analog input.

Digital Input - the connection supports input sensing; it reads the external input and determine if the settings should be 'High' (on) or 'Low' (off).

Digital Output - when there is a healthy WAN connection, the output pin is marked as 'High' (on). Otherwise, it will be marked as 'Low' (off).

Analog Input - to be confirmed. In most cases should read the external input and determine the voltage level.