Direct Data Access API

Introduction
This document refers to status.json data response for Proteus WiFi Sensors. To access sensor data/info in json format, simply request /status.json to the ip address of the sensor. Eg: http://192.168.1.12/status.json. The response looks as below. Some nodes may not be present on your sensor.

Structure
The json consists of general info, switch bytes indicating which sensor(s) is/are active, and data node corresponding to the active sensor.

```json
{
    "sid": 10654620,  //Serial Number of the device.
    "ver": "PR3.5.7L",   //Device Version
    "ssid": "Esensors",  //SSID of network
    "net": "1",  //1: connected to outside internet. 0: limited access
    "sta": 3,  //Status. 0: OK, 1: Alarm, 3: Sensor cable unplugged
    "fldSW": 1,   //1: Flood Sensor
    "pirSW": 0,  //1: Motion Sensor
    "cinSW": 0,  //1: Door/ Contact Sensor.
    "lvlSW": 0, //1: Level Sensor
    "shtSW": 0,  //1: Temp/Humidity Sensor. Ignore for ver PR3.5.5 or later
    "si7SW": 0,  //1: Temp/ Humidity Sensor.
    "wlSW": 0,  //Ignore
    "mtrSW": 0,  //1: Motor Sensor
    "thmSW": 0,  //1: Thermistor
    "ilmSW": 0,  //1: Illumination sensor
    "bzrSW": 1, //1: Buzzer is present
    "byosSW": 0,  //1: Bring your own sensor option is enabled
    "mstSW": 0,  //1: Master Switch mode
    "petSW": 0, //Ignore
    "fld": 1,   //Water Sensor Data. 1: DRY, 0: WET. Valid if fldSW=1
    "pir": 1,   //Motion Sensor Data. 1: Motion, 0: Quiet. Valid if pirSW=1
    "cin": 1,   //Door/ Contact Data. 1: Open, 0: Closed. Valid if cinSW=1
    "msw": 1,  //Ignore
    "lvl": 1,   //Level Sensor Data. 1: Low, 0: High. Valid if lvlSW=1
    "mtr": 1,   //Motor ON/OFF Data. 1: ON, 0: OFF. Valid if mtrSW=1
    "pet": 1,  //Ignore
    "temp": 0.00,  //Temperature Data. Valid if shtSW==1, or si7SW=1
    "hum": 0.00,  //Humidity Data. Valid if shtSW==1, or si7SW=1
    "thm": 0.00, //Thermistor Data. Valid if thmSW=1
    "ilm": 0,  //Illumination Data. Valid if ilmSW=1
    "tun": 0  //Temperature Unit. 0: F, 1: C
}
```

Additional resources
If you are exploring the data API, you may also be interested in the network settings tab of your sensor. You can access this with /network.htm to the IP address of your sensor.

Questions?
Got a question? Contact us at support@proteussensor.com with your queries and we will get you the information you need right away.