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.

```
{
        "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
        "tmp": 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.