



Proteus

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
  "rtdSW": 0,

  "bzsW": 1, //1: Buzzer is present
  "byosW": 0, //1: Bring your own sensor option is enabled
  "mstW": 0, //1: Master Switch mode
  "petW": 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
}
```



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Pro Sensor Tags: Depending on your sensor configuration, additional tags may be available on PRO models.

```
{
  "vltSW": 0,           //Voltage ON/OFF Monitor Single Channel
  "vi3SW": 0,          //Voltage ON/OFF Monitor 3 channel.
  "cvlSW": 1,          //Continuous Voltage Monitor
  "flwSW": 0,          //Flow Sensor Enabled
  "prsSW": 0,          //Pressure Sensor Enabled
  "rlySW": 0,          //Relay output Enabled
  "tMod": 0,           //Temperature Mode.
  "vlt": 1,            //Voltage Sensor Status Ch-1
  "vlt2": 0,           //Voltage Sensor status Ch-2
  "vlt3": 0,           //Voltage Sensor Status Ch-3
  "flwType": 1,        //Flow Sensor Type 0: Switch Sensor, 1: Flow Rate
  "flw": 0.00,         //Flow sensor Data
  "fVD": 0.00,         //Flow Volume Daily
  "fVT": 0.00,         //Flow Volume Total
  "prsType": 1,        //Pressure Sensor Type 0: Switch Sensor, 1: Continuous Pressure
  "prs": 0.00,         //Pressure Sensor Data
  "lvlType": 0,        //Level Sensor Type 0: Switch Sensor, 1: Continuous Level
  "rtd": 0.00,         //RTD Data
  "lun": 1,            //Level Unit 0: mm, 1: in, 2: %FS
  "pun": 0,            //Pressure Unit 0: kPa, 1: PSI, 2: %FS
  "fun": 0             //Flow Unit 0: LPM, 1: GPM
}
```

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.