How to use extra sensors in the PWS_Dashboard

The standard uploads used in the dashboard, f.i. realtime.txt, do not have fields for all possible sensors. This document describes how you can use extra (non-standard) sensors.

Which weather-program supports what?:
If you are using **WeatherUnderground** as your data source and do not have any other weather-program available, then there is nothing to read for you here in this document.

If you are using **AmbientWeather**, **Ecowitt**, **Weatherlink Cloud** all of your extra sensors are already available in the dashboard. Just continue to read below at "Which blocks".

For other weather-programs the procedure is as follows
• Download the folder with extra upload files for all most weather-programs from pwsdashboard.com
• Setup your weather-program to translate and upload the appropriate file, preferable to the same location as the standard upload file
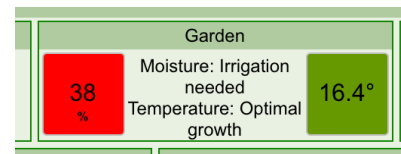

• Use easyweathersetup to answer the two questions in tab "Data" and save your answers (green button)
• Next time the PWS_Dashboard is started the data is available for the scripts.

Available blocks.

Soil moisture/temperature
=> soil_tmp_mst_small.php
=> soil_tmp_mst.php
=> soil_tmp_mst_popup.php

Temperature / humidity sensor
=> extra_tmp_c_small.php
==> A smal block which displays the temperature and humidity .

=> extra_tmp_block.php
This block list all (up to 8) extra temp-hum sensors.

How to add extra or replace standard weather-values.

The extra upload files can be used also to add other weather-values supported by your weather-program.
Or to replace a "standard" sensors value. Lets assume you want to replace the actual value of your outdoor humidity sensor with the value of an extra temp/hum-sensor.
Check using the PWS_module_test.php script => button mid right the "Live data values".

```
[humidity] => 36
```

Now add 1 line to the extra-upload file
```
|humidity|hum|%generalextrahum1%|!
```

This will replace the default value for humidity with the value from an extra sensor