

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 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 easy weather to answer the two questions and save your answers with the green button at the bottom
- Next time the PWS_Dashboard is started the data is available for the scripts.

Extra sensors on our weatherstation	
have_extra	If we have extra sensors we need to upload the data file for those sensors
	<input type="button" value="Yes, we have extra sensors and upload the data. ↓"/>
extra_data	Path and filename of the uploaded file (f.i. demodata/extra_sensors.txt)
	<input type="text" value="use demodata"/>

Which blocks are already available.

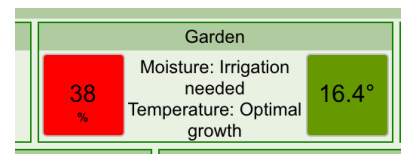
Soil moisture/temperature => soil_tmp_mst_small.php

1 small block for use in the top-row of the dashboard.

It displays for 1 sensor the current moisture (in % or cb) and if available the temperature. Also a description of dry / wet and temp conditions.

There are 3 rows at the top of the script to select a sensor and a sensor-name

```
# -----  
$tmp_key          = 'soil_tmp1';  
$hum_key          = 'soil_mst1';  
$first_description = 'Garden';
```



Temperature / humidity sensor => extra_tmp_c_small.php

A small block which displays the temperature and humidity.

There are 3 rows at line 40 of the script to select a sensor and a sensor-name

```
$name_1 = lang ('extra_tmp1');  
# -----  
$tmp_key      = 'extra_tmp1';  
$hum_key      = 'extra_hum1';
```

Temperature / humidity sensor => extra_temp_block.php

This block lists 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