

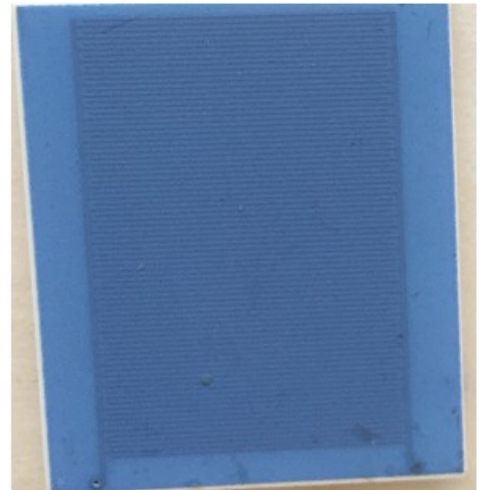
Rain sensor calibration for the CloudWatcher

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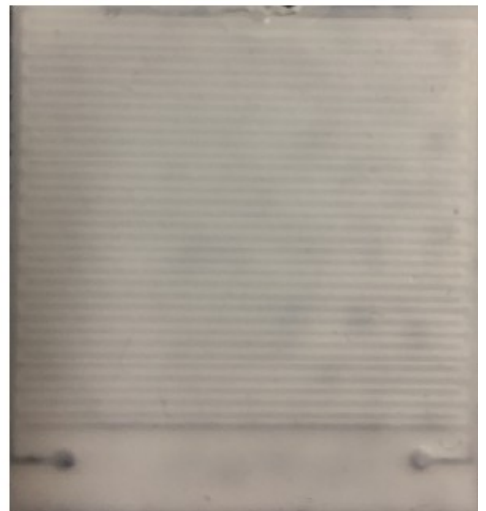
Your CloudWatcher may have one of 3 different rain sensor models: A, B¹ or C



A



C



B

While the 3 models are similar, they behave slightly different. There are just 3 parameters in the software that may need adjusting, the dry/wet/rain limits

Default values are:

- Sensors A: 2000, 1700, 400
- Sensors B: 4300, 3900, 0
- Sensors C: 2000, 1700, 0

specially note the **value of 0 is valid** for sensors B and C.

¹ The B sensor could be yellow, green, blue or white and could include a think white/colorless coating layer.

Quick tip: if your CloudWatcher is installed at a remote place, or you just want a quick calibration, you can achieve a fairly good one very simply: just find out the highest (driest) value – any clear, sunny day, will do. Then set the wet limit to be 5% below that (you can even go to 4 or 3%), and the rain limit some 20% below.

... now you can skip to “configure the software” below

These limits will work nicely in most of the cases. For sensors of the “B” series, that are a tad less uniform, or if you want more accuracy or just enjoy tweaking, you can *calibrate* it yourself.

To do so, just place your CloudWatcher over a table, connect the software, and make sure the rain sensor is dry – do not touch its surface with your bare fingers.

Now note the rain sensor reading.

With a stick, the tip of your pen, or similar, place a small drop of water on the surface of the sensor. Wait a few seconds and take note of the new reading. Should be 100 or so lower than the previous one.

Now place 2 or 3 big drops of water, wait a bit, take note again. Now the value should have dropped quite a lot (thousands).

To configure the software, use a value between the first (100% dry) and the second as the limit (*dry >*), and a value between the second reading (with the small drop) and the third one (lowest value) as the “*wet more than*” value, and, lastly, 0 as the “*rain more than*” (in Windows, the 0 is entered in the Setup tab, Alarm section).

