



SENSOR SETTINGS

The purpose of this document is to show you, the Dealer/Installer what values/sizes the sensor can detect, and at what ranges, so you can utilize the Sensor for your specific application. If you are in doubt about what setting you should use, I always recommend putting a 1 in the “**attrNum**” box and a 5 in the “**attrValue**” box. This will put the number 5 after the word formula on the right side of the page.

To get to this box, start by opening up the Hubitat Hub that is controlling the Sensor in question. Click on Devices and select the Sensor in question (i.e. Sensor 1). The box described below is on the first page that opens on the right side second row down. Then follow the directions below to change the “range” of the Sensor to the one desired. When in doubt, just use the formula above by putting in the 1 and 5 described above.

When you are done entering in the number that you desire, you must “click” on the Wattr box to make the changes to the sensor. The number next to the word formula on the right side of the page will correspond to the number you entered into the attrValue box to verify the “range” change.

Wattr
wattr
attrNum:
1
attrValue:
0

attrNum: is always “1”

attrValue can be any of the following:

0 = default, rawpm0.5 – rawpm1.0 (gives the bucket of raw values between 0.5 and 1.0)

1 = PM1.0

2 = PM2.5

3 = PM10

4 = rawpm0.3 (all raw particles larger than 0.3um)

5 = rawpm0.5 (all raw particles larger than 0.5um)

6 = rawpm1.0 (all raw particles larger than 1.0um)

7 = rawpm2.5 (all raw particles larger than 2.5um)

8 = rawpm5.0 (all raw particles larger than 5.0um)

9 = rawpm10 (all raw particles larger than 10um)

69 = rawpm0.3 – rawpm0.5 (gives the bucket of raw values between 0.3 and 0.5)

86 = same as the default above

103 = rawpm1.0 - rawpm2.5 (gives the bucket of raw values between 1.0 and 2.5)

120 = rawpm2.5 – rawpm5.0 (gives the bucket of raw values between 2.5 and 5.0)

137 = rawpm5.0 – rawpm10 (gives the bucket of raw values between 5.0 and 10)