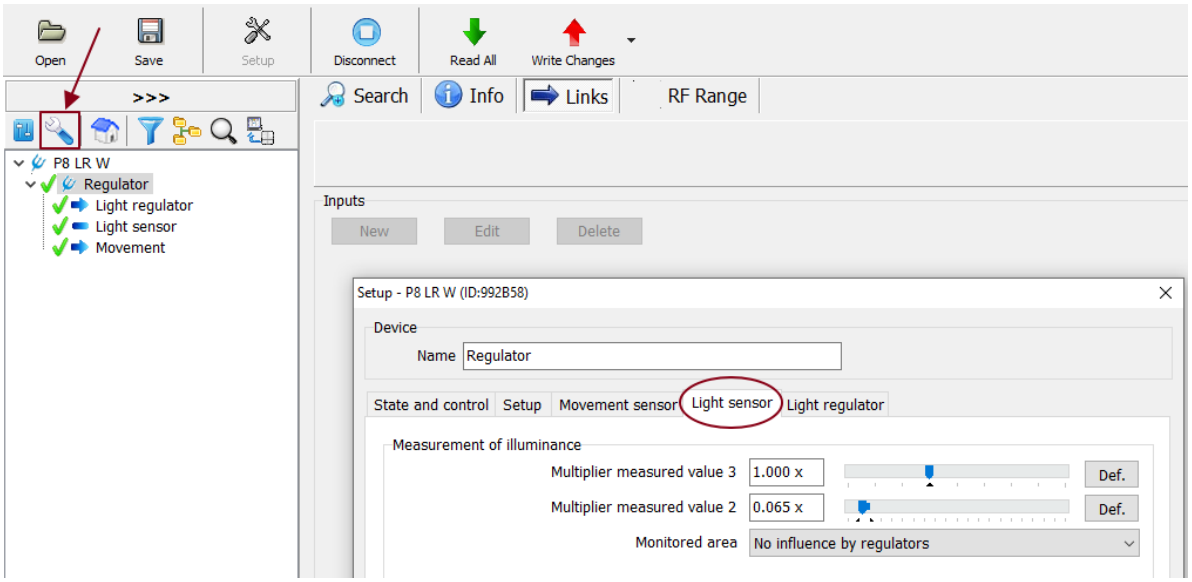
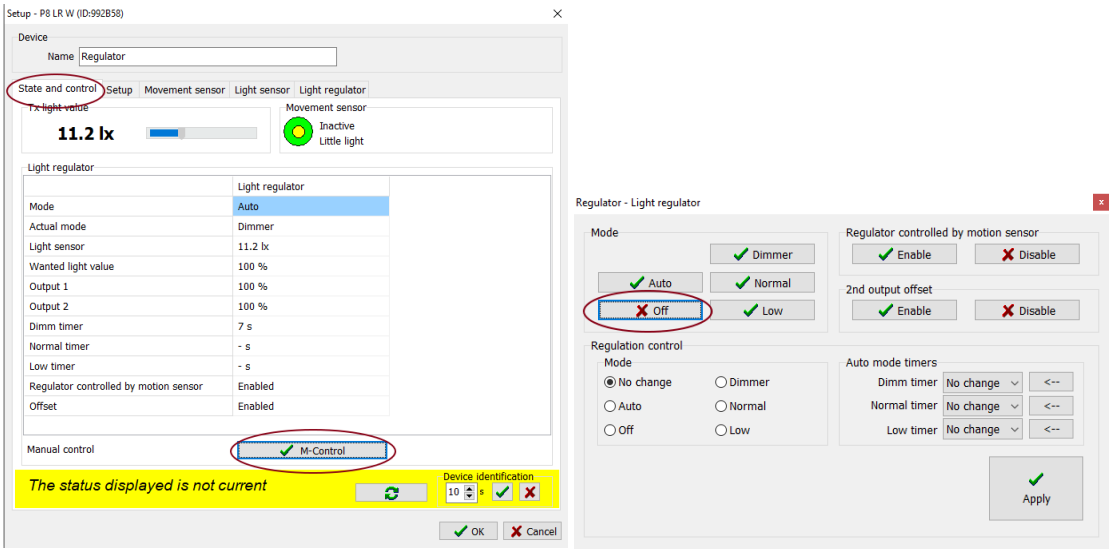
SENSOR CALIBRATION

Light sensors should be calibrated with respect to height and reflections!

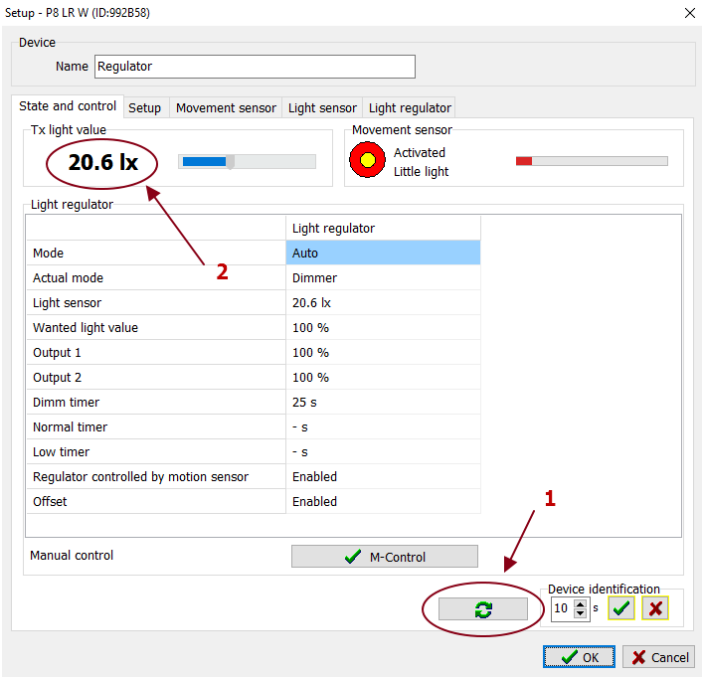
Go to ***Settings*** – select the ***Light sensor*** tab



1) **Multiplier measured value 3**
   - this value makes a first step of calibration regarding the height of the sensor
   - process must be done **during the day** with daylight!
   - turn **OFF** the luminaires (if there is a *Direct* link going from the sensor to the receiver go to *State and control* tab, press *M-Control* button and press *Off* button)



- measure a lux level under the sensor using illuminance meter
- at the same time press  button to get the current lux level readed by sensor in the *State and control* tab
- **divide** these two values

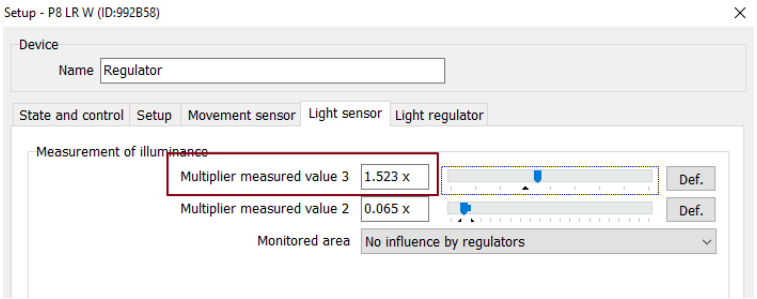


example:

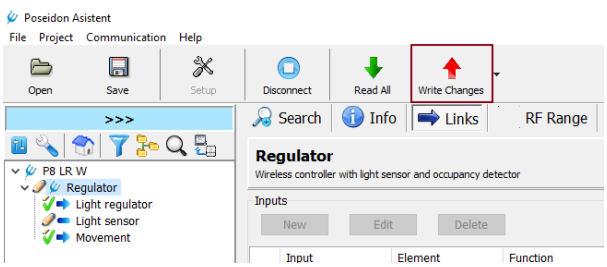
Txm = 500 lx (*lux level readed by illuminance meter under the sensor*)

Txs = 329 lx (*lux level readed by sensor in State and control tab*)

<u>Multiplier measured value 3</u> = Txm/Txs = 500/329 = **1,52**

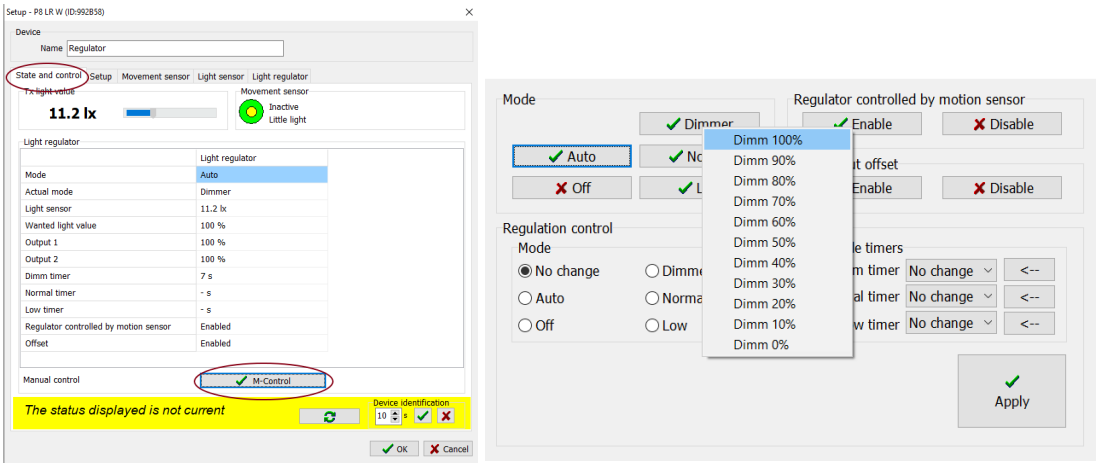


- use slider to set the multiplier (the right/left arrows on the keyboard can be used for finer changes)
- **Write Changes**!



2) **<u>Correction value when the output is 100%</u>**

- this value makes a second step of calibration regarding the reflections going to the sensor
- process must be done **during the night** with ideally no daylight!
- turn **ON** the luminaires to **100%** (if there is a *Direct* link going from the sensor to the receiver go to *State and control* tab, press *M-Control* button, right click on *Dimmer* button, choose *Dimm 100%*)



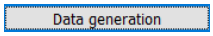
- measure a lux level under the sensor using illuminance meter
- at the same time press button to get the current lux level readed by sensor in the *State and control* tab
- **substract** these two values

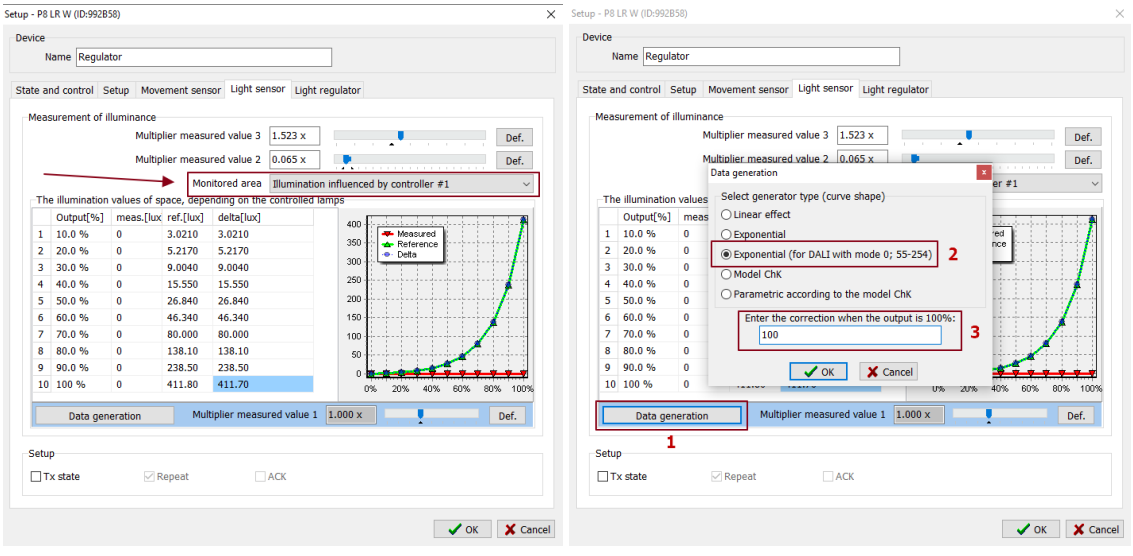
example:

Txm = 500 lx (*lux level readed by illuminance meter under the sensor*)

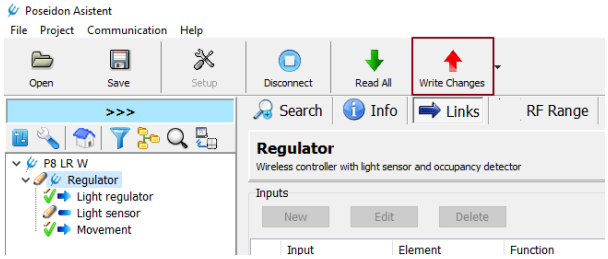
Txs = 400 lx (*lux level readed by sensor in State and control tab*)

<u>Correction value</u> = Txm-Txs = 500-400 = **100**

- go to *Monitored Area* in *Light sensor* tab and select *Illumination influenced by controller #1*
- press  button
- mostly the luminaires use ballasts with logaritmic curve shape, so then select *Exponential (for DALI with mode 0;55-254)* and enter the calculated Correction value

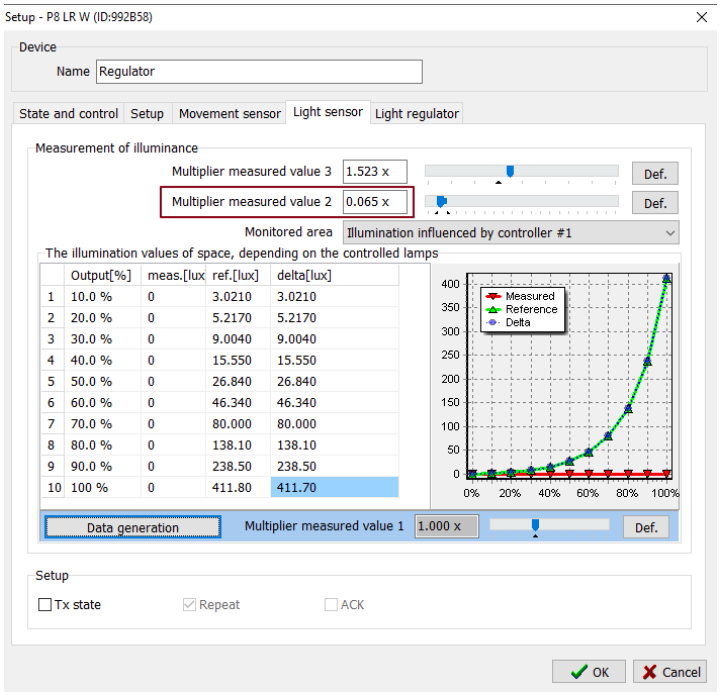


- **Write Changes**!



3) *<u>Multiplier measured value 2</u>* (mostly this step is not necessary!)

- this value makes a additional step of calibration
- if there is a sharp side light going to the sensor from the window you can try to change this value little bit (however it is always about searching of the appropriate setting)



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