Casambi Sensors, Parameters and Information (en)

NOTE

In the Casambi world they are the terms **sensors, parameters** and **information**. Each of the terms stands for a specific type of value. Here is the explanation:

Name	Meaning	Beispiele	Typ
Sensors	display static values or technical-physical values of the environment	Consumption / Number of switching cycles	read only
Parameters	settings to achieve the desired functions or behavior	State after switching on: last value	writeable
Information	show values like manufacturer, model, or even detailed operating states of the device	RSSI: 78 dBm (radio reception quality)	read only

Sensors

Sensor name	Description	Default	Value range	Entity
Total consumed	Total consumed energy in Wh	0	0 ... 1.000.000	Wh
Current Power	Power currently consumed by the load	n.a.	0 ... 1.000.000	Wh
Load Current	Actual load current in mA	n.a.	0 ... 1.000.000	mA
Temperature	Momentary temperature at the measuring point (inside)	n.a.		°C
On-Time Dimmer	Number of operating hours device	permanant	0 ... 1.000.000	h
On-Time Load	Number of operating hours lamp/load	0	0 ... 1.000.000	h
On-Cycles Device	Number of power-ups device	permanant	0 ... 1.000.000	cycles
On-Cycles Load	Number of power-ups lamp/load > Brightness 0	0	0 ... 1.000.000	cycles
Phase Angle	Phase Angle = Current phase angle of the dimmed output • 0 ° > Load is switched off • 1-179 ° > Phase cut is applied • 180 ° > Load is switched permanently on	n.a.	0 … 180°	degree
System Status	System Status - Error Code The parameter "System info" is derived from this error code.	-	0, 1, 2, 4, 8, 16, 32	number
Leading Edge	• 0 > Trailing edge phase cut is used • 1 > Leading edge phase cut is used	n.a.	0, 1	digit

n.a. = not applicable

Parameters

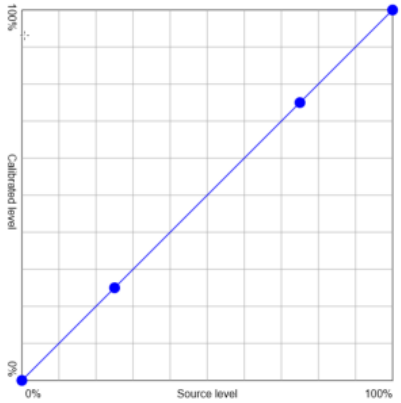
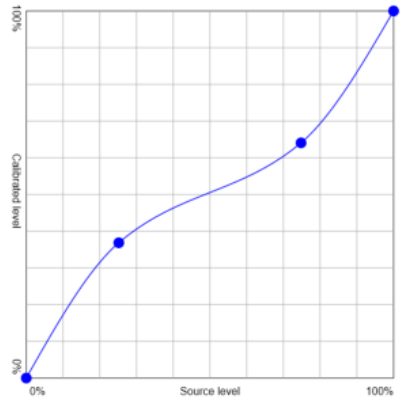
Parameter name	Description	Value range	Entity	Default
Unlock/ Lock Settings	To unlock the following parameters, this value must be set to unlocked	locked unlocked		locked
Measure Mode	Here a measure mode can be preset with which a new calibration starts.	Automatic Trailing Edge Leading Edge Zero Cross Switch		Automatic
Start Measurement	Start new calibration			
Reset statistics	delete statistics			
Push-Button-Style	Behavior of the device button • Comfort - Casambi functions plus Comfort functions like e.g. double click = 100%; dimming; long key; load memory level function • Standard - Standard Casambi Push button input Behavior like a standard Casambi input	Comfort Standard		Comfort

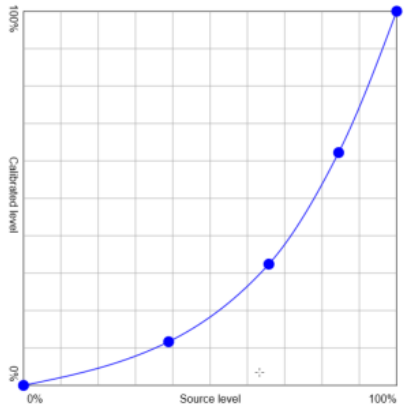
<table>
<tr><td>Load Number</td><td>Display load number - max. illuminants of the same type are displayed</td><td>0...</td><td>digits</td><td></td></tr>
<tr><td>System info</td><td>System status is displayed through a text. If there is no error, the text is "O.K.". If an error is present, the corresponding text is displayed. If several errors are present, the text of the error with the highest priority is displayed.

<table>
<tr><th>Error</th><th>Text</th><th>Value</th><th>Priority</th></tr>
<tr><td>No error</td><td>O.K.</td><td>0</td><td></td></tr>
<tr><td>Load output is open</td><td>Open</td><td>1</td><td>1</td></tr>
<tr><td>Over temperature is active</td><td>Overtemp</td><td>2</td><td>2</td></tr>
<tr><td>Load output has overvoltage</td><td>Overvolt</td><td>4</td><td>3</td></tr>
<tr><td>Load output has a short-circuit</td><td>Short</td><td>8</td><td>4</td></tr>
<tr><td>Shutdown by over temperature</td><td>SD temp</td><td>16</td><td>5</td></tr>
<tr><td>Shutdown by short-circuit</td><td>SD short</td><td>32</td><td>6</td></tr>
</table></td><td></td><td>digits</td><td></td></tr>
<tr><td>Dimming Curve</td><td>The dimming curve used can be selected, by default the linear curve is used. To get a different dimming behavior, the dimming curve can be selected. The Casambi curves 3 and 4 are intended when several dimmers from different manufacturers are operated together. More information

See dimming curve</td><td></td><td></td><td></td></tr>
</table>

Dimming Curve

Mode	Dimming Curve	Value	Type
linear		0	linear curve - default
LED	Picture added soon	1	maintronic custom curve
incandescent	Picture added soon	2	maintronic custom curve
Casmbi Standard		3	Casambi Compatibility mode

Casambi Log		4	Casambi Compatibility mode