Datasheet Thermometer

Thermometer device

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This document shows technical characteristics of the simulated device Thermometer.

VERSION

Version	Date	Description
V1.0	12/03/13	File creation
V1.1	18/03/13	Major change on properties table
V1.2	15/04/2013	Homogenize properties names

General Description

Thermometer can supply only one model of thermometer which is a standard thermometer.

The thermometer can be used to have the current temperature in a room. The thermometer device returns a value in Kelvin degree for the temperature. We describe in section Thermometer device Outline methods linked to this device.

Device properties

Property name	Constant name	Value	Default Value	Type	Modifiable
thermomter.currentTemperature	THERMOMETER_CURRENT_TEMPERATURE	[0.0 - undefined]	0.0	Double	No

Note: The property currentTemperature is set by default at 0.0. Then this value can take any possible double values.

Thermal considerations

There is no physical consideration for this type of device. Indeed, this device is used to get a physical value. In our case, we do not care about the way the sensor gets this value.

It is necessary to have the global variable named Temperature in a room if you want to use the Thermometer sensor without getting errors.

Thermometer device Outline

Hereafter we explain methods that can be useful for the user to use a thermometer.

Interface: **fr.liglab.adele.icasa.device.temperature.Thermometer**

getSerialNumber()	Get the device ID
getTemperature()	Get the current temperature of the thermometer in Kelvin degree: