Datasheet GazSensor

CarbonDioxydeSensor & CarbonMonoxydeSensor device

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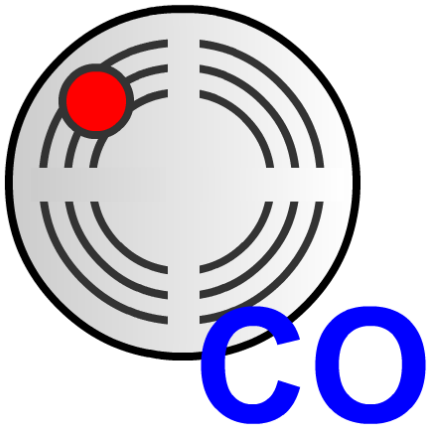

This document shows technical characteristics of the simulated GazSensor devices.

VERSION

Version	Date	Description
V1.0	20/03/13	File creation

General Description

GazSensor can supply two models of gaz sensor which are a standard CO2 sensor and a standard CO sensor.

Gaz sensor can be used to detect the air quality in a room and prevent of asphyxiation. We describe in section GazSensor devices Outline methods linked to those devices.

Devices properties

For the CarbonDioxydeSensor,

Name	Value	Default Value	Type	Modifiable
co2_current_concentration	[0 - undefined]	0.0	Double	No

Or, for the CarbonMonoxydeSensor,

Name	Value	Default Value	Type	Modifiable
co_current_concentration	[0 - undefined]	0.0	Double	No

Note: Properties co2_current_concentration or co_current_concentration are set by default at 0.0. Then those values can take any possible double values.

Physical considerations

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

GazSensor devices Outline

Hereafter we explain methods that can be useful for the user to use a gaz sensor device.

Interface: **fr.liglab.adele.icasa.device.gazSensor.CarbonDioxydeSensor**

fr.liglab.adele.icasa.device.gazSensor.CarbonMonoxydeSensor

getSerialNumber()	Get the device ID
getCO2Concentration() or getCOConcenrtation()	Get the current gaz concentration of the sensor