Version: 1.0

Humidity

The Humidity component handles the monitoring of device's humidity sensors. Humidity components are identified with `humidity:<id>` in objects containing multiple component payloads.

The Humidity component uses `Humidity` as RPC namespace and implements the minimal component interface:

- `Humidity.GetConfig` to obtain the component's configuration
- `Humidity.SetConfig` to update the component's configuration
- `Humidity.GetStatus` to obtain the component's status

Methods

Humidity.SetConfig

Property	Type	Description
`id`	*number*	Id of the Humidity component instance
`config`	*object*	Configuration that the method takes

Find more about the config properties in config section

Humidity.GetConfig

Property	Type	Description
`id`	*number*	Id of the Humidity component instance

Find the Humidity.GetConfig response properties in config section

Humidity.GetStatus

Property	Type	Description
`id`	*number*	Id of the Humidity component instance

Find more about the status response properties in status section

Configuration

The configuration of the Humidity component allows to adjust the humidity report threshold value. To Get/Set the configuration of the Humidity component its `id` must be specified.

Properties:

Property	Type	Description
`id`	*number*	Id of the Humidity component instance
`name`	*string or null*	Name of the Humidity instance. `name` length should not exceed 64 chars
`report_thr`	*number*	Humidity report threshold in %. Accepted range is device-specific, default [1.0..20.0]% unless specified otherwise
`offset`	*number*	Humidity offset in %. Value is applied to measured humidity. Accepted range is device-specific, default [-50.0..50.0]% unless specified otherwise

Status

The status of the Humidity component represents the measurement of the associated humidity sensor. To obtain the status of the Humidity component its `id` must be specified.

Properties:

Property	Type	Description
`id`	*number*	Id of the Humidity component instance
`rh`	*number or null*	Relative humidity in % (`null` if valid value could not be obtained)
`errors`	*array of type string*	Shown only if at least one error is present. May contain `out_of_range`, `read` when there is problem reading sensor

Webhook Events

There are two events related to the Humidity component that can trigger webhooks:

- `humidity.change` - produced when humidity delta between two measurements is greater than `report_thr`
- `humidity.measurement` - produced on a monotonic measurement period (60s)

`humidity.change` and `humidity.measurement` support one *attribute*, that can be used to compose conditional webhooks:

Property	Type	Description
`rh`	*number*	New humidity in %

Examples

Humidity.SetConfig example

Humidity.SetConfig HTTP GET Request | Humidity.SetConfig Curl Request | Humidity.SetConfig Mos Request

```
http://192.168.33.1/rpc/Humidity.SetConfig?id=0&config={"name":"Humidity0"}
```

Response

```
{
  "restart_required": false
}
```

Humidity.GetConfig example

Humidity.GetConfig HTTP GET Request | Humidity.GetConfig Curl Request | Humidity.GetConfig Mos Request

```
http://192.168.33.1/rpc/Humidity.GetConfig?id=0
```

Response

```
{
  "id": 0,
  "name": null,
  "report_thr": 5,
  "offset": 0
}
```

Humidity.GetStatus example

Humidity.GetStatus HTTP GET Request | Humidity.GetStatus Curl Request | Humidity.GetStatus Mos Request

```
http://192.168.33.1/rpc/Humidity.GetStatus?id=0
```

Response

```
{
  "id": 0,
  "rh": 73.7
}
```