Liquid level sensor – Home Assistant integration

The Aquilo liquid level sensor can be managed from Home Assistant. To add the Aquilo sensor to Home Assistant, follow the steps below.

1. Find the local IP address of the Aquilo sensor

Check the IP address of the Aquilo sensor in your router. The row for the Aquilo sensor can be recognised by the device name. To be safe, you can assign the sensor a fixed IP in the router.

2. Edit configuration.yaml

The configuration.yaml file can be edited, for example, with the Samba share or Configurator add-ons. With Samba share you edit the file directly; with Configurator you edit files through the Home Assistant user interface.

To enable the Aquilo integration, add the following section to configuration.yaml:
sensor:

```
- platform: template
  sensors:
    lvl:
      friendly_name: 'Level'
      value_template: "{{ state_attr('sensor.XXXNameXXX', 'lvl') }}"
      unit_of_measurement: "cm"
    pct:
      friendly_name: 'Percent'
      value_template: "{{ state_attr('sensor.XXXNameXXX', 'pct') }}"
      unit_of_measurement: "%"
    lstread:
      friendly_name: 'Last reading'
      value_template: >
        {%- set t_string = state_attr('sensor.XXXNameXXX', 'lstRead') %}
        {%- set t = as_timestamp(t_string) %}
        {{ t|timestamp_custom('%d %b %H:%M') }}
    mininterval:
      friendly_name: 'mininterval'
      unit_of_measurement: "min"
      value_template: >
        {%- set t_string = state_attr('sensor.XXXNameXXX', 'lstRead') %}
        {%- set t = as_timestamp(t_string) %}
        {%- set now = now().timestamp() %}
        {%- set interval = now-t %}
        {{ (interval/60) | round() }}
- platform: rest
  name: XXXNameXXX
  resource: http://192.168.X.XXX/state
  value_template: '{{ value_json.sensors[0].id }}'
```

```
    json_attributes_path: "$.sensors.0"
    json_attributes:
      - lvl
      - pct
      - lstRead

Where:
XXXNameXXX is the name of the tank whose fill level will be shown,
```

192.168.X.XXX is the IP address from step 1.

Then save the file and restart Home Assistant.