

# Analog output 0-10 Volt

Function of the component: You can output every sensor or counter value as a 0-10V scaled signal via the analog output. The you need to consider following:

- Go to „Controls“ in „Device configuration“. Create a new control function with the green plus
- Press the button „Outputs“.
- Create the „Analog output 0-10V“ function component



- Enter e.g. „Analog output “ at „Name“.
- At import/export select your import and export counters.
- At „Interface“ choose „AO-1“.
- Enter e.g.: 0 Watts at 1% and 4500 Watts (size of the heating element) at 100 %.
- At „Enable“, you have got the possibility to integrate e.g.: a hysteresis component to the control.. If e.g.: a temperature value falls below, the control is enabled. When overriding, it is blocked.
- Confirm with „OK“ and create a switch with the green plus.
- Go to „Auto/Off/On- switch“.



- Press on „Save“.

- Enter a name e.g.: „heat element“.
- At „Sensor/Counter“ select e.g.: „heating element(Direct Out) [DO-Virtual]“.
- At „Interface“ select „AO 1“.
- Confirm with „OK“, until you are in the overview „Device configuration“.
- Press „Custom View“ and create a new sensor/counter/control with the big green plus.
- At „Sensor/Counter“ press on „Select“.
- Select „heating element (Manual/Auto Switch)“ and confirm two times with „OK“.
- You can now place this widget in your custom view.
- After a successful placement of this widget, you can confirm this process with „OK“.
- With „Next“ go to the „System configuration“.
- Go to „System“.
- Set the „cycle time“ to „2s“ and confirm with „OK“.