

# Ampio Designer block configuration guide

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## What are Function Blocks?

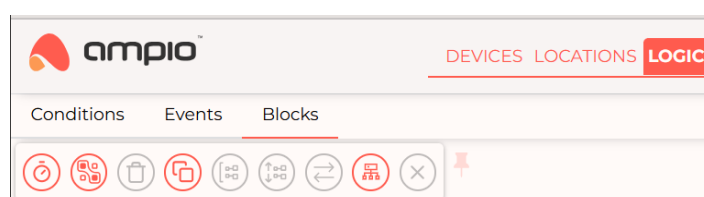
Function blocks are predefined, built-in mini-programs integrated directly into Ampio devices, with their own internal operating logic. Thanks to them, the installer does not have to construct the entire chain of triggers and actions. All you need to do is connect the appropriate input and output data to the block and configure its parameters.

Function blocks can be treated as ready-made 'logic modules' in a device that:

- Have built-in knowledge about their operation (e.g. as a thermostat, dimmer, time relay).
- Have predefined functionality and only need to be told what to control and what input data to use.

## Adding a block

To add a new bloc in Ampio Designer, go to the *LOGIC* tab and select the *Blocks* sub-tab.

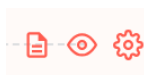


## Inputs

Each block has a certain number of inputs that enable the activation of a function or its incrementation/decrementation. We assign individual inputs or a single group of inputs to a given function.

## Block options

The options are visible at the top right of the block interface.



## Adding and configuring block functions

On the left-hand side of the screen, you will see the set functions of the block. Further functions can be added using the *Add* button. Multiple values can be assigned to each function that will trigger the function. This can be either a binary flag from any module or, for example, a binary input. Below is an example of how the block looks during configuration using the M-CON-HVAC-p module. *SWITCH* here means a change of state (turning the air conditioning on or off).



At the end of the configuration, click the *Save* button.