
# Chameleon products

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Chameleon devices provide the hardware background of smart homes: they enable the smooth cooperation of sensors and actuators. Our catalouge presents our own products (smart home controllers, expansion units and modules), their functions and operations.

If you have any questions, contact us:
info@chamelon.sh

# CONTROLLER

## Central controller unit

The Chameleon controller is the central controller unit of the smart home, typically installed in an electrical distribution box mounted on a DIN rail. On one hand, it connects to the Internet, allowing remote control of the home via the mobile application, while on the other hand, it connects to the local control devices placed behind the switches and fixtures inside the walls via Chameleon's proprietary wired system ("LS bus"). It also has several digital and analog inputs and communication ports that can be directly connected to various sensors and smart home devices. There are currently two versions of Pro and Light (which excludes switch relays).

### CH002


**CHAMELEON CONTROLLER**

# CHAMELEON LS (WALL) MODULES

This is the basic type of LS (wall) controllers, typically hidden behind mechanical push buttons. It contains two controllable switches (relays) used to turn lights on and off for example.


## CH029

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**SWITCH MODULE**


## CH030

This device is very similar to the switch module, but it can be used specifically to control shading motors. It has two switch inputs for the two directions, which are not allowed be operated simultaneously to prevent the damage of the shutter or the motor.

**SHUTTER MODULE**

Alternative modules can be used as a secondary, alternative switch to control any circuit. For example, to switch the same staircase light from upstairs or downstairs or to turn on the same light from the opposite ends of the room. It exists in two versions, with 2 and 8 inputs. In these devices there is no controllable switch (relay) that can break the circuit, they only transmit signals to the controller.

## CH031


## CH037


## ALTERNATIVE MODULES


## CH035

The thermostat module connects to the NGBS iCON thermostat display and allows the integration of temperature control into the Chameleon smart home system

**THERMOSTAT MODULE**


## CH038

The dimmer module has the same function as the switch, but with a suitable (dimmable) 230V load, the brightness can be controlled. By default, the dimmer gives you the following features:

- Short press: turn off or turn on up to the previous value.
- Long press: gradual brightness control (dimming) up to 100%. Default speed: 0% to 100% in 3 seconds.
- Two short presses: instant jump up to 100%.

**2 X 230V DIMMER MODULE**


## CH039

This four-channel module is used to control the brightness of (typically colored) LED light sources, and to adjust the colour composition of light (redgreen-blue-white channels).

**RGBW LED DIMMER MODULE**

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The smart home of the future

# DIN EXTENSION MODULES

Unlike LS modules, these devices are located in a distribution box mounted on a DIN rail next to the controller extending its functionality. Instead of local control, they can be controlled by the automation/program or from the mobile application or alternative switches. They are connected to the controller via another, so-called CAN bus.

## CH003

The Relay 10 Extension is similar to the LS Switch module, but it is capable of switching up to 10 loads. It lacks the push button inputs; thus, it is typically used for circuits that are not locally controlled (e.g. decoration lighting, power outlets, heating distribution, irrigation system).


**DIN RELAY 10 EXTENSION MODULE**

## CH007

Just like the LS shutter module, this module can control two-way actuators. With 5 pairs of connectors, 5 shutter or curtain motors can be controlled.


**DIN SHUTTER 5 EXTENSION MODULE**

## CH008

This central din rail-mounted device is used to switch loads and control their power (in the case of lighting, their brightness). Recommended for star topologies.


**DIN DIMMER 6 EXTENSION MODULE**


## CH005

The LS bus has a maximum limit of 15 LS (wall) devices. If more is needed, the LS bus expansion module allows you to connect an additional 2 x 15 LS (wall) modules.

**DIN LS EXTENSION MODULE**


## CH004

This module can receive up to 24 pieces of two-state (normally open / normally closed) switch signals enabling the integration of motion- opening- and other sensors with digital outputs to the smart home system. It also supports the Wiegand communication protocol (3 ports) used in more complex security devices, such as fingerprint readers, PIN-keypads etc.

**DIN DIGITAL INPUT 24 EXTENSION MODULE**


## CH006

With this module, 4 sensors with analog signals (e.g. light sensor, thermometer, humidity meter, water flow measuring sensor) can be integrated into the Chameleon Smarthome system, providing input data to the controller for automations.

**DIN ANALOG INPUT 4 EXTENSION MODULE**


## CH009

The analog output module is able to precisely control devices with 0-10V voltage such as flow valves

**CHAMELEON ANALOG OUTPUT 4 EXTENSION (0-10V)**

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