Control Unit C4
Radio linked

Specifications

The control unit C4 is a radio controlled device with 4 universal inputs to control further smart home components. In the current flush mount version, it is compatible to standard switch boxes and fully integrates into the rest of your smart home. It is not only suitable for new buildings, but also for existing buildings, because retrofitting has, due to use of radio technology, no special requirements to the electrical installation. The system can gradually be extended by adding new components. The control unit C4 is an additional option and offers full functionality when combined with other components of the ubisys smart home product line and allows for example:
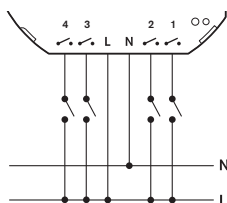
- Freely configurable assignments between control elements and consumers
- Scenes and group controlling
- Can be connected to switches and motion sensors

More information about the features of the ubisys smart home product line can be found at www.ubisys.de.
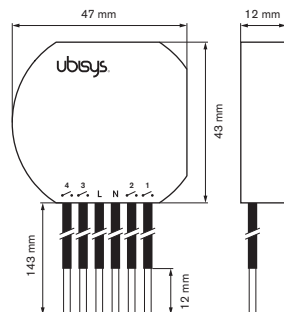
Installation

The control unit C4 is designed for installation in flush mounted sockets according to DIN 49073. For installation behind a switch, power socket or motion sensor, deep sockets are recommended.

Leads: Dimensions:

For installation of the control unit C4, the included clamps can be used. During installation, the general risks of household voltage networks have to be noted!

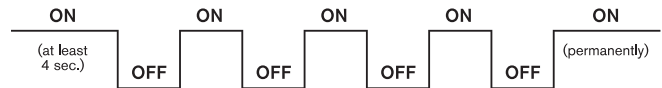### Zigbee Initial Commissioning (Brand New Device)

1. Connect the unit to a power source (according to the connections).
2. Open a Zigbee network: when using the ubisys gateway, tap **Configuration** -> **Basic Configuration** -> **Open for new devices** in the ubisys app (if you are using third-party gateways or apps, follow the corresponding procedure).
3. The Zigbee network is open and the device joins.
4. The device appears in the component list: **Configuration** -> **Basic Configuration** -> **Components**.

Factory Reset

Power-Cycle Sequencing Factory Reset: It is possible to instigate a factory reset using a special power-cycle sequence without having access to the device itself (only to its power supply). The only requirement is a simple on/off sequence in a 1-second rythm:

1. The device has to be powered up for at least 4 seconds.
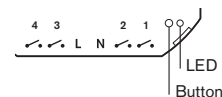2. Power off for a second.
3. Power on for a second.

Repeat steps 2.-3. in the aforementioned **1-second rythm** another 3 times, and with the last sequence keep the device powered up (see illustration).

4. The device will automatically reboot to the original factory settings.

Factory Reset via Button: To reset the device to its factory fresh settings (e.g. in order to join it to another network afterwards), press the button in the larger of the two holes on the front for more than 10 seconds until the LED starts flashing rapidly.
Only use the electrically isolated tool provided with the device to press the button in the hole.

Configuration

The control unit C4 has 4 inputs. Every single input can be configured individually and can be used to control smart home components.
For integration into the smart home radio network, the control unit C4 has to be configured first. Direct access to the control unit C4 is not necessary for configuration. That means that network configuration can also be done after successful electrical installation. It is best to hold the 16 digit serial number of the control unit C4 in the construction plan during installation. This allows you to allocate the device at a later point.
When connected to power, the control unit C4 automatically logs into the Zigbee network. After that it can be configured via the electrician's installation software (ubisys Network Manager) or the ubisys smartphone app.
More information about adding and configuring ubisys smart home components can be found in the ubisys Smart Home app manual.

Technical Information

Rated voltage	230 V ~, 50 Hz
Own consumption	0.3 W
Radio technology	Zigbee 3.0 in 2.4 GHz ISM Band, IEEE 802.15.4 channels 11-26, 0…5dBm transmitting power *)
Environment temperature	-20°C - +45°C

*) More information about radio technology can be found at www.ubisys.de.

Certifications and Environmental Contribution

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Caution
Subjecting the inputs (white, grey) with voltage without correct connection of L, N will destroy the device.

Caution
Even unconnected ports (white, grey) can carry threatening voltages.

Hazard notes
Installation should only be performed by a qualified electrician. Wrong wiring from not following instructions can cause unforeseen behavior, such as fire or destruction of the device. There is a risk of electric shock. Electrical shock can result in death. Prior to installation, disable voltage and cover live parts. Opening the unit or other devices voids the warranty.

Conformity
This device complies with the applicable directives and standards of the EU match.

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