



Specifications

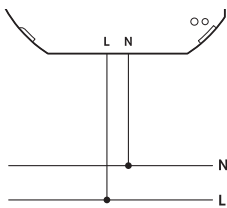
The Router R0 is a Zigbee radio operated router and is used to extend the reach of Zigbee-data in larger buildings and industrial complexes. In the current in-wall version, it is compatible to every standard in-wall mounted housing. It is not only suitable for new buildings but also for renovations - for due to the use of radio technology, retrofitting with ubisys components has no special requirements for the electrical installation. The system can gradually be extended by adding new components. The router R0 offers full functionality when combined with other components of the ubisys smart home product line.

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

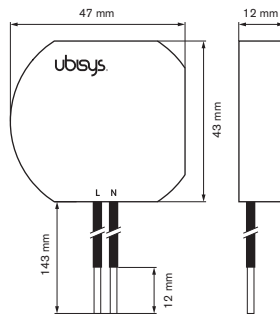
Installation

The Router R0 is designed for installation in flush mounted sockets according to DIN 49073. For installation behind a switch or power socket, the use of deep sockets is recommended.

Leads:



Dimensions:



When connecting the Router R0 the included push-wire terminals can be used. Please be aware of the general risks when working on the mains power supply, while installing the component!

Zigbee Initial Commissioning (Brand New Device)

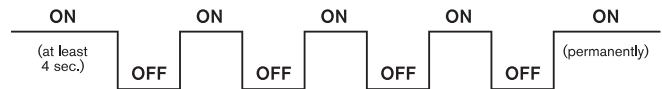
1. Connect the unit to a power source (according to the connections).
2. Open a Zigbee network: when using the ubisys gateway, tap **Configuration** -> **Basic Configuration** -> **Open for new devices** in the ubisys app (if you are using third-party gateways or apps, follow the corresponding procedure).
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 rhythm:

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.

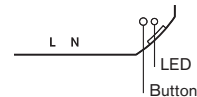
Repeat steps 2.-3. in the aforementioned **1-second rhythm** another 3 times, and with the last sequence keep the device powered up (see illustration).



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.



*) If the device has legacy firmware this feature might not be available. In this case, keep the button pressed for one second, until the LED flashes three times and then blinks once every second. Then press the button four times for less than a second, until the LED flashes five times, followed by a pause, then flashes five times again, followed by a pause, etc. In this state, keep the button pressed for more than a second until the LED starts flashing rapidly.

Configuration

The router R0 does not need any further configuration. The 16-digit serial number of the router R0 should be noted down in the construction plan during installation. This allows you to allocate the device at a later point. When connected to power, the Router R0 automatically connects to the gateway and can then be named using the Smart Home app.

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



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 lead. Prior to installation, disable voltage and cover live parts. Opening the unit or other devices interventions void the warranty.

Conformity

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

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