

BH4-WBU-230

- smart-house** transceiver for building automation applications
- Easy to install in both old and new installations
- Unlimited number of connected wireless switches BH4-WBU-230
- DIN-rail mounting
- Range up to 100 m in open air
- Easy to operate



SUPPLY SPECIFICATIONS

Power supply AC types	Overvoltage cat. III (IEC60664)
Rated operational voltage through term. 21 & 22 230	230 VAC, ±15%
Frequency	45 to 65 Hz
Voltage drop-out	40 ms
Rated operational power	Typ. 3 VA

Power dissipation	3 W
Rated impulse voltage 230	4 kV
Dielectric voltage	
Supply – smart-house	4 kVAC (rms)

GENERAL SPECIFICATIONS

Power ON Delay	Typ. 2 s
Indication of	Power ON
Green LED	smart-house signal
Yellow LED	Wireless communication ON
Green LED	Association
Red LED	Disable RF
Red LED	
Environment	
Protection degree	IP 20
Pollution degree	3 (IEC 60664)
Operating temperature	-20°C to +50°C (-4° to +122°F)
Storage temperature	-50°C to +85°C (-58° to +185°F)

Humidity (non-condensing)	20 to 80%
Mechanical resistance	
Shock	15 G (11 ms)
Vibration	2 G (6 to 55 Hz)
Dimensions	72 x 77 x 70 mm
Material (see "Technical information")	H4 housing
Weight	250 g
Special conditions	The base should not be installed in shielded boxes such as metal or plated, as these will reduce the range to the associated units.

MODE OF OPERATION

The wireless Bxx-WLS4 switches are programmed as standard Fuga/Opus switches (but with no channel coding for I/O 5-8, as the leds automatically follow the buttons).

The communication between the Bxx-WLS4 wireless switch and the BH4-WBU-230 base is established in the following way:

The used smart-house addresses of wireless devices are all programmed at the wireless device. The only "special" interaction regarding wireless devices is the association process.

This process makes sure that your wireless devices are not disturbed by the devices of your neighbour.

To associate a device with the base:

- 1) Press the "mode" button on the base. The association led lights up.
- 2) Press a button on the wireless device to be associated. - All leds on the device will light up for about 1 second.
- 3) Press the "mode" button on the base unit until both Association and disabled-leds are off. This indicates "normal operation".

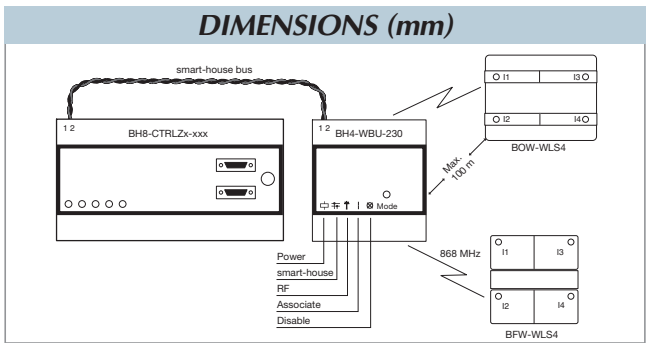
If the connection from a wireless device fails, alle leds will flash briefly after trying to communicate with the base unit three times.

If a device associated with base A is in sight of bases A and B and you want to reassociate the device with base B, do the following:

- 1) Select the "Disabled" mode on base A.
- 2) Select the "Associate" mode on base B.
- 3) Press a button on the wireless device to be associated. - All leds on the device will light up for about onesecond.

4) Press the "mode" button on both base units until both Association and disabled-leds are off. This indicates "normal operation".

The LEDs:
 The "Power" LED indicates that the unit is powered. (230Vac)
 The "smart-house OK" LED indicates detected smart-house signal.
 The "RF" LED indicates received wireless communication directed to this base.
 The "Associate" LED indicates the association mode.
 The "Disabled" LED indicates that the base ignores any wireless communications.



INPUT SPECIFICATIONS

Wireless communication at 868 MHz