PRODUCTINFO

Technical product sheet

Qbus Wireless Zigbee switched power plug (QWZ-PPE/BE)

1. Product description

The QWZ-PPE/BE is an intermediate plug that can switch up to 16A. You can use this smart plug to easily switch a connected appliance on and off. As soon as you plug the smart plug into a socket, you can locally switch the connected appliance on and off using the button on the plug.

If you want to visualise your energy consumption and make use of all Qbus smart features such as Qbus Control smartphone control inside or outside the building, you can wirelessly connect the smart plug to the Qbus system via the separately available Qbus Wireless Interface with Zigbee protocol (QWI/ZB). Because the smart plug has its own energy measurement and can be easily moved, you can start measuring the energy consumption of multiple appliances in different locations with just a single plug.

This smart plug is part of the Qbus wireless range, which allows you to realise wireless extensions to the Qbus system and/or transform a classically wired installation into a smart Qbus installation.

The QWZ-PPE/BE can be used to switch mood lighting, household appliances, kitchen boiler..., in the context of atmospheres, energy saving or for safety reasons. The applications are very broad, as they are included in the fully-fledged Qbus system

2. Safety rules

Please read the entire manual before installing and activating the module.

NOTE

- The module must not be opened. The warranty will be void if the module is opened!
- Do not connect larger powers to this intermediate plug. Respect the power indicated on the device.
- Qbus is not responsible for possible damage resulting from incorrect handling or use of the module.
- Can only be connected to QWI/ZB! Not on QWI/EW!

3. Installation and cables

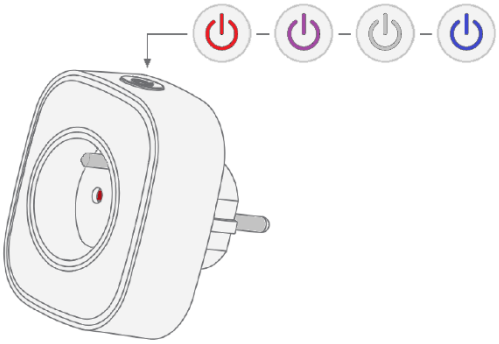
Placement: plug the QWZ-PPE/BE into a suitable power outlet.
Caution: make sure there is no interference with the wireless connection. Do not install the module in a distribution cabinet, in a metal housing, in the direct vicinity of large metal objects. Some positions in buildings, may limit the normal Zigbee transmission and reception range (e.g. reinforced concrete)

Power supply: The QWZ-PPE/BE is suitable for a mains voltage of 230Vac and can switch a maximum of 16A

4. Commissioning

Linking to QWI/ZB:

1. Plug the QWZ-PPE/BE into a suitable socket. If there is voltage on the socket, the indicator LED of the built-in push button will flash purple-red during the first start-up. You can then press the push button to switch the socket on or off. The indicator LED lights up blue when the contact is on.



2. Enter the serial number of the QWZ-PPE/BE in System Manager III (SMIII) under "Modules". You can find this on the back of the plug. In SMIII, view the image of the QWI/ZB. Follow the instructions in System Manager III to pair the module with the QWI/ZB module.
3. To put the module into pairing mode, press the push button for at least 5 seconds. The module will be in pairing mode for about 30 seconds from then on. The LED should flash at the same rehearsed rate.
   Note! If the LED does not flash at the same rate, press the push button repeatedly until the LED flashes at the same rate.

   The switched socket can always be switched on or off manually via a short press on this built-in push button.

Disconnect:

- Via the "Remove from network" button in SMIII
  OR
- Press and hold the built-in push button until the LED flashes slowly, then release.
- Press and hold the built-in push button again until the LED lights up. The smart plug is now reset and will go back to normal mode after 4 seconds.

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The following "Modes" are possible in combination with a CTD:

- Toggle (with delay On/Off)
- Timer 1 (Forget timer)
- Timer 2 (Staircase timer)
- Timer 3 (Lazy timer)
- Intermittent
- Timer 4 (Master / Slave)
- Thermostat (Heating; Cooling; Boost; Alarm)

Note!
When operated directly via the built-in push button, the delays set are bypassed if applicable.

If the module is restarted after a power failure, the output will again be in its last position.

With direct control, you operate the device Stand-Alone and if it is connected to a Zigbee network, it will transmit its status to that network.

5. Troubleshooting

If the module shows undesired operation:

- The module switches on or off at the wrong time.
- The relay pulls on for a short time and turns off again automatically.
- The module does not respond to any controls and there is definitely good reception between QWI/ZB and this module.

If so, definitely try resetting the module and reconnecting it to the QWI/ZB using System Manager III.

Please also check the following aspects:

- Check that the wireless connection in the installation is not disrupted between this module and the QWI/ZB.
- Check the configuration of the QWI/ZB and whether the link to this module is still active.
- Check that other wireless devices using the same frequency or operating in its immediate vicinity do not interfere with the operation of this product.

6. Technical data

General specifications

- Power supply: 100-240Vac, 50/60 Hz
- Own consumption:
  - <1W standby
  - <4W when relay is switched on and LED indicator is on
- Max load 16A / 230V AC
- Modulation coding: FSK
- Wireless protocol: Zigbee
- Range: free field: 50m; inside the building, on the same floor: 20m; signal range inside the building up to the next floor: 15mOperating temperature: -10°C tot 35°C
- Humidity: 93%, no condensation
- Maximum installation altitude: 2,000 metres above sea level

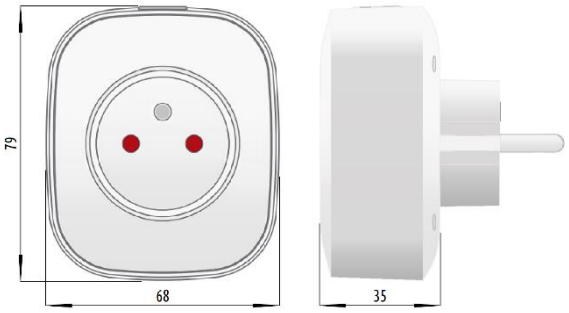
Physical specification

- Ingress protection: IP20, EN60529
- Dimensions: 79x68x35mm
- Weight: about 80g

CE marking

- Qbus declares that this product complies with all applicable European directives and regulations.
- The EU declaration of conformity can be consulted on our website www.qbus.be.

7. Dimensioning diagram



8. Explanation of symbols

Before connecting the device, the operating instructions of the product in question must be read. ISO7000-0434

Mains (230V) IEC 60417-5036

CE conformity. All declarations of conformity are available upon request.

9. Waranty provisions

Guarantee period: 2 years from delivery date. The warranty no longer applies if the module has been opened!
Defective modules must be sent unsealed with a description of the defect to our service department:

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