Technical product data sheet

Qbus Wireless Interface EasyWave (QWI/EW)

1. Product description

This module enables you to expand your Qbus installation with a wide range of wireless products. Once you have installed this module, you will be able to install 32 wireless products within a maximum indoor range of 30 m and a maximum of 150 m in the open field.

2. Safety rules

Read the entire manual before installing and activating the module.

WARNING

- The devices must be installed, commissioned and maintained by a qualified electrician in accordance with the applicable legal requirements.
- This device is exclusively suitable for DIN rail assembly in accordance with EN50022. It must be mounted in a fire-proof distribution board with ventilation holes.
- Do not open the device. The guarantee is void upon opening the module.

3. Installation and wiring

ASSEMBLY:
Click the device onto the DIN rail in accordance with DIN EN50022.

BUS WIRING:
A shielded cable with guide rails of at least 2x 1 mm² can be used as a bus cable. The green shielded EIB cable is also allowed if the guide rails are used two at a time in order to obtain a cross-section of at least 2x 1 mm.

IMPORTANT: THE BUS CABLE MUST BE SHIELDED AND EARTHEDED. CONNECT THE EARTH TO THE BUILDING'S MAIN EARTHING TERMINAL.

POWER SUPPLY:
The QWI/EW is fed by the bus.

LED-INDICATOR QWI/EW:
Green light:
- PWR: ON = power supplied from bus.
Red light: LED status = blinks for two seconds during start-up. Also blinks during programming.

4. Technical data

General specifications
- Power supply: bus
- Ambient temperature:
  - Working temperature: 10°C to 50°C
  - Storage temperature: -10°C to 60°C
- Maximum humidity: 93%, no moisture condensation
- Bus power supply: 30 mA at nominal 13.8 V
- Max. assembly height: 2,000 metres.

QWI/EW Connections
- A maximum of 32 QWE products can be controlled by one QWI/EW module.
- The maximum distance between the QWI/EW and the QWE modules is 30 m.

Physical specifications:
- Housing: plastic, self-extinguishing in accordance with UL94-V0
- Protection grade: IP20, EN60529
- Installation: rapid installation on DIN rail, width two modules
- Dimensions (H x W x L): 62 mm x 90 mm x 36 mm
- Weight: approx. 72 g

CE:
- Bus: 13.8 V DC low voltage
- Non-toxic, in accordance with WEEE/RoHS
- Corresponding with EN 60730-1:2000-11 +A11 2002
5. Guarantee provisions

Period of guarantee: Four years after delivery date. The guarantee is void upon opening the device. In the event of a defect, contact our customer service for further handling:

Qbus N.V.
Joseph Cardijnstraat 19
B-9420 Erpe-Mere
Belgium
Tel.: +32 (0) 53 60 72 10
Fax: +32 (0) 53 60 72 19
Email: support@qbus.be