KNX ENO 630 (16-Kanal AP)

Unidirectional Gateway between EnOcean and KNX Bus

Data sheet

Application

The unit KNX ENO 630 serves as a unidirectional gateway between EnOcean radio devices and the KNX-bus. With this device, commands and measured values of EnOcean wireless sensors can be transferred to the KNX-bus, for example, to control KNX actuators.

Fig.: KNX ENO 630

In addition the gateway supports logical and control functions and has a radio repeater included. The KNX ENO 630 is organized in 16 channels. Each channel can be assigned to one of the following functions:

- Link to sensors:
  - Push buttons (switching, dimming, shutter, scene)
  - Window contacts and handles
  - Access card and other switches
  - Temperature, humidity and light sensors
  - Presence sensors
  - Gas and environmental sensors (weather station)
  - Room control devices
  - Automated counter devices
  - Digital inputs
- Time control / logic:
  - Switch-on delay
  - Switch-off delay
  - Gates (e.g. AND, OR, XOR)
  - Flip-flop (Toggle)
- Regulation / room control
  - Lighting control
- Special (Trigger, Valuator, Watchdog)

The configuration of the device and the channels is done using the ETS software via the KNX-bus. For the teach-in of the wireless components the keys and the display in the device are used.

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Technical Specification

Electrical safety

- Protection class (EN 60529): IP 20
- Safety extra low voltage SELV 29 VDC

CE marking according to

- Low voltage directive 2014 / 35 / EU
- EMC directive 2014 / 30 / EU
- R&TTE directive 1999 / 5 / EC
- RoHS directive 2011 / 65 / EU (RoHS2)
  EN 50491-3: 2009, EN 50491-5-1: 2010
  EN 50491-5-2: 2010, EN 50491-5-3: 2010
  EN 61000-6-2: 2005,
  EN 61000-6-3: 2007 + A1: 2011
  EN 55022: 2010 + AC: 2011 Class B
  EN 300 220-1: V2.4.1, EN 300 220-2: V2.4.1
  EN 50581: 2012 (RoHS2)
  *CE declaration can be requested at info@weinzierl.de.

Environmental requirements

- Ambient operating temp.: 0 ... + 45 °C
- Storage temp.: - 25 ... + 70 °C
- Rel. humidity (not condens.): 5 % … 93 %

Mechanical data

- Housing: plastic, white
- Surface mounting, matches on 55 mm flush-mounted box
- Dimensions: 81 x 81 x 25 mm
- Weight: approx. 90 g

Power supply

- Powered via bus
  Current consumption: approx. 12 mA

Connections

- KNX connection via terminal block

RF Interface

- EnOcean, ISM Band 868,3 MHz, ASK
- Distance: see www.enocean.com

Supported EnOcean devices

- According to EnOcean Profiles EEP Version 2.1
- See operating and installation instructions