

KNX ENO 610/612 (32-channel)

Gateway between EnOcean and the KNX bus

Data sheet

Application

KNX ENO 610 and 612 serve as gateways between EnOcean radio sensors and the KNX bus. A device has 32 sensor channels, each of which can be configured with one of the following functions:

- Switching / Dimming
- Blinds / Shutters
- Temperature sensor
- Window contact
- Light sensor
- Motion detector



Fig.: KNX ENO 610

KNX learn mode

The KNX learn mode is activated and deactivated using the button next to the bus terminal. A red LED indicates that learn mode is active. Configuration takes place on the ETS and must be performed before the EnOcean telegrams are learned.

EnOcean learn mode

Brief pressure on the left button on the top switches the device into learn mode. In this mode, a sending EnOcean device is connected to a channel, if allowable. Every channel can be assigned up to four EnOcean IDs depending on the function.

Repeated brief pressure on the button skips through the channels. The LCD displays the current channel numbers alternately with the number of connected EnOcean IDs. Extended pressure on the left button clears all connections of the active channel. Brief pressure on the right button causes all communications objects associated with this channel to be sent on the KNX bus. The learn mode is terminated by extended pressure on the button or by inactivity of at least 5 minutes.

Normal mode

If the associated EnOcean sends a telegram, the channel number is briefly displayed on the LCD.

Technical data

Electrical safety

- Protection class (as per EN 60529): IP 20
- Safety extra low voltage SELV 24 VDC
Compliant with EN 50090-2-2

EMC requirements

- Compliant with EN 61000-6-2,
EN 61000-6-3 and EN 50090-2-2

Ambient conditions

- Climatic stability: EN 50090-2-2
- Ambient operating temp.: - 5 ... + 45 °C
- Storage temp.: - 25 ... + 70 °C
- Rel. humidity (not condens.): 5 % ... 93 %

Labeling

- KNX
- CE compliant with EMC requirements
(residential and functional buildings)

Hardware data

- Housing: plastic, white
- On-wall mounting
- Dimensions KNX ENO 610: 71 x 71 x 27 mm
- Dimensions KNX ENO 612: 85 x 85 x 37 mm
- Weight KNX ENO 610: approx. 70 g
- Weight KNX ENO 612: approx. 90 g
- Fire load: approx. 1000 kJ

Power supply

- Powered via bus
Current consumption: approx. 25 mA

Connections

- KNX connection

Supported EnOcean devices

- See operating and installation instructions



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