LCN-EGR

EnOcean wireless gateway for flush-mounting

The LCN-EGR is an EnOcean gateway to operate with EnOcean inputs, outputs and sensors. It must be connected via the I-port to an intelligent bus module upto firmware 190 512 (Mai 2015) It is possible to connect EnOcean smoke detectors, switches, binary sensors (window contacts), temperature sensors and relays and dimming outputs to operate or control.

Description:

The LCN-EGR communicates with the connected components via the EnOcean wireless protocol. This protocol is in addition to the products of Eltako (Eltako Wireless Building), also a large number of EnOcean-enabled products support too. The EnOcean gateway is made for the subsequent connection of various devices, such as temperature and brightness sensors, switches and window contacts.

The LCN-EGR is designed for use with the LCN-UPP, LCN-UPS or LCN-UP24 modules but can also used with LCN-HU, LCN-SH, LCN-SHS and LCN-LD.

Hardware equipment:

LCN-EGR

I-port cable

Recommended EnOcean Hardware:

Eltako FBH63TF (motion, light, temperature and humidity sensor)
- FRW (smoke detector)
- FUD70 (dimm)
- FUD71 (dimm)
- FSSA - 230V (radio outlet)
- FSR61NP (impulse relays)
- FSR70W (relay)
- FCO2TF65 (sensor CO2, temperature , ...)
- FSB61NP (shading and blinds)
- FKS - E (small actuator)
- FSR14-2x to FAM14 (2 - channel)
- FUD14 to FAM - 14 (dimmer RS485)

Hoppe - window handle 0530 / US952 / FK - 410

Kieback & Peter - MD15 - FTL (wireless small HE actuator)

Note:

Basically all EnOcean devices with the EnOcean Equipment Profiles (EEP) are supported. In individual cases, the Hotline will help in testing.
For more detailed information please refer to the installation manual or the online help of the LCN-PRO.

Functionality:

Ranges between transmitters and receivers
The radio signal range is highly dependent on the installation site and the construction of a building.

Material range reduction
Wood, plaster, glass uncoated 0 - 10%
Brick, pressboard 5 - 35%
Concrete with reinforcement of iron 10 - 90%

A reliable building installation is achieved by adequate reserve coverage.

Range: 30 m
Conditions: Big, clear room with best antenna type- and position.

Range: 20 m (planning safety)
Conditions: with furniture and people in the room, through up to 5 plasterboard drywalls or 2 brick / aerated concrete walls: Large, clear with best antenna type- and position.

Range: 10 m (planning safety)
Conditions: with furniture and people in the room, through up to 5 plasterboard drywalls or 2 brick / aerated concrete walls:
- Transmitters and receivers installed in wall or corner of the room.
- Receiver with internal antenna
- narrow corridor
- Installation in flush-mounted socket with switch or wire antenna on or near metal

Coverage: Vertical through 1-2 ceilings
Conditions: Depending on reinforcement and antenna versions

LCN-EGR

EnOcean wireless gateway for flush-mounting

Technical Data:

Connection:

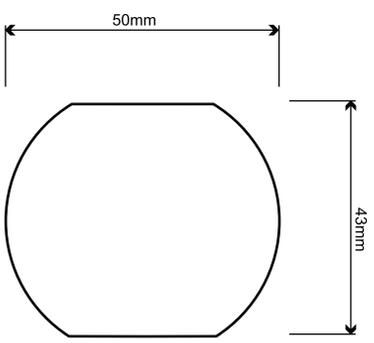
Supply voltage:	110V - 230V AC, 50/60HzPower
consumption:	Pmax.=2,5W, Pv≤0,3W
LCN-port:	I-port upto firmware 190512 for bidirectionally communikation
Frequency:	868MHz
EnOcean:	Max. 5 devices can be taught depending on the type

General Details:

Operating temperature:	10℃..+ 40℃
Humidity:	max. 80% rel., non condensing
Environmental conditions:	Stationary installation according to VDE 632,VDE 637
Safety classification:	IP 20 when installed in a deep wall box

Dimensions:

Ø x H: 50mm x 20mm



Assembly:

de-centralized installation in deep flush-mounted box

Circuit Diagram: