

B.E.G. LUXOMAT® KNXnet/IP Interface

Installation and operating instructions

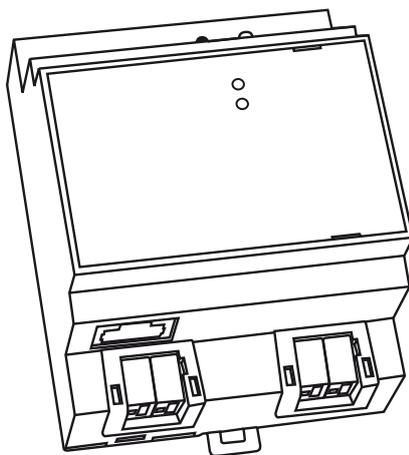
1. General use

The KNXnet/IP Interface offers an easy and convenient means of parameterising the KNX/EIB installation with the ETS 3 and 4 (EIBnet/IP tunnel protocol).

In addition, a visualisation server connection is supported for communication with a visualisation server. This connection can be established and maintained in parallel at the same time as an ETS tunnel connection. The visualisation connection is thus not interrupted if ETS programming is required.

There are therefore various possible applications:

- Parameterisation of an EIB/KNX system via Ethernet with the ETS 3 and 4
- Connection to visualisation systems



2. Device types and accessories

At present, the following device types are available from the Interface product group:

KNXnet/IP Interface Multicontrol	Part number: 90124
KNXnet/IP Interface	Part number: 90125
KNXnet/IP Interface Web	Part number: 90126

3. Scope of supply

- The KNXnet/IP Interface is supplied as standard with the following individual components:
- Complete device with EIB bus terminal (black/red) and 24 V supply bus terminal (yellow/white) inserted
 - Operating and installation instructions

4. Product data bank

At present, the following product data bank is available: IP-Interface.vd2, for function of the product data bank see application program description

5. Installation notes

- The device should only be installed and started up by an approved electrical engineer.
- Observe the applicable safety and accident prevention regulations.
- The device is designed for fixed installation indoors in dry conditions.
- When connecting the device, ensure it has been disconnected from the power supply.
- The device must not be opened. Faulty devices should be returned to the manufacturer.
- When planning and erecting electrical systems, observe the specifications and regulations of the relevant country.

6. Technical data

- Power supplies**
- 24 V AC/DC; input range 12 .. 30 V AC/DC
 - Additionally via EIB/KNX bus
- Control elements**
- Learn button for switching between standard and addressing mode
- Indication elements**
- Red LED for indicating standard/addressing mode
 - Green LK LED for indicating the Ethernet link
 - Green LA LED for indicating communication on the Ethernet link
- Connections**
- Bus line: EIB/KNX bus terminal (black/red)
 - Power supply: Bus terminal (yellow/white)
 - Ethernet 10 Mbps: RJ45 socket
- Mechanical data**
- Casing: Plastic LEXAN UL-94-V0
 - Dimensions for REG casing 4 div.:
Width: 70 mm
Height: 55 mm
Length: 86 mm
 - Weight: 150 g
 - Installation: On standard 35 mm DIN rail

- Electrical safety**
- Pollution degree: 2
 - Degree of protection (according to EN 60529): IP20
 - Protection class (according to IEC 1140): I
 - Surge voltage category: III
 - Bus: Safety extra-low voltage SELV 24 V DC

EMC requirements
Meets EN 50081-1 and EN 50082-2, EN 50090-2-2

- Ambient conditions**
- Resistance to extreme climates: EN 50090-2-2,
 - Ambient conditions during operation: 0°C to +45°C
 - Storage temperature: -25°C to +70°C
 - Relative humidity (no condensation): 5 % to 93 %

Approval
EIB/KNX registered

CE marking
In accordance with EMC directive (residential and functional building), low-voltage directive

7. Location and function of indication and control elements

The device connections, as well as the learn button and programming LED that are required during EIB startup, can only be accessed in the distributor when the cover is removed.

- A1:** 24 V bus terminal
- A2:** KNX bus terminal
- A3:** Ethernet RJ45 socket
- A4:** KNX programming LED
- A5:** KNX learn button
- A10:** Ethernet Link LED
- A11:** Ethernet Activity LED

