B.E.G. LUXOMAT® KNX CATALOGUE

INDIVIDUAL SOLUTIONS FOR INTELLIGENT BUILDING SYSTEMS

▪ www.beg-luxomat.com ▪

MEMBER KNX

- Cost-efficient
- Energy-saving
- Flexible
- Future-proof

ENVIRONMENT

With B.E.G. energy saving = cost reduction + environmental protection

LEGEND

- can also be used as a Slave device
- 1 - 10 V dimmer outlet
- KNX/EIB-BUS connection
- DALI connection
- Limitation of the detection range with cover accessories
- Creep zone protection
- Plug base installation
- Outer corner installation
- Increased IP protection, suitable for outdoors
- Bus coupler integrated into module
- IP interface
- LCD display

- Power supply
- Rated current
- typ. power input
- Detection area
- Switching power
- Range (approx.) in m
- Lux value
- Degree of protection
- Dimensions
- Ambient temperature
- Housing
- Display elements
- Manual operation

THREE STEPS TO FINDING THE RIGHT DEVICE

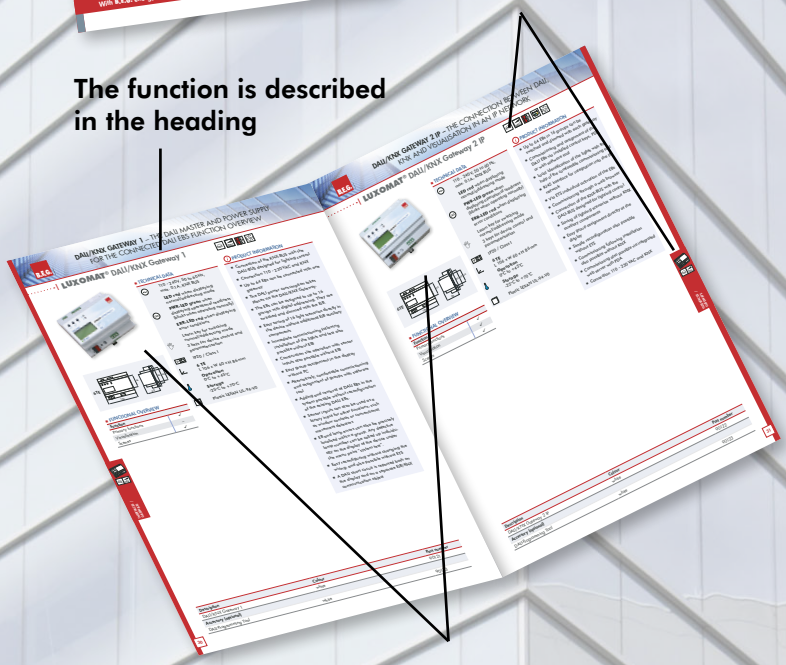
1. Application

The tabs at the side are sorted according to use and field of application

2. Function

Pictograms in the tab and above the technical data

The function is described in the heading



3. Design

Ordering of products according to device classes

TABLE OF CONTENTS

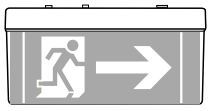
CONNECT YOUR BUILDING
SYSTEMS INTELLIGENTLY
WITH **B.E.G.**

1975

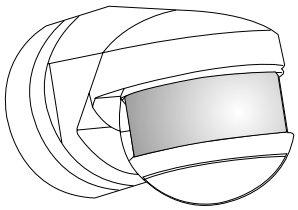
B.E.G. Brück Electronic GmbH

B.E.G. - a company with over 30 years tradition

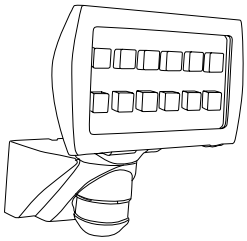
1975 The founding of the **B.E.G.** company.
We started with the manufacture of emergency lights and continued later with the production of group suppliers for emergency lighting systems.



1986 Expansion of our activities for developing and producing motion detectors.
Since then, we have manufactured several generations of motion detectors in our company along with expanding the range by developing other product families such as **VIDEOLUX®** and ECOLIGHT.

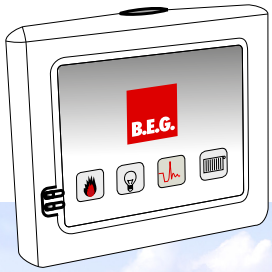


2006 With our continuing aim of "direct connections" from June 1st 2006 sales in german are now handled directly.
We now have direct operations in Germany, France, UK and Belgium.
Starting this year, the company **B.E.G.** Brück Electronic GmbH is certified according to ISO 9001:2000.
The cornerstone celebration for a new operations and logistics center with connected fabrication and development departments in Lindlar to even better meet today's demands.



2007 Commissioning of a new building. **B.E.G.** continues to have excellent reputation throughout Germany and internationally. It also maintains representations in many countries around the world.

2009 **B.E.G.** Brück Elektronic GmbH successfully renews its ISO 9001:2008 certification.



2010 ISO 14001:2004 certification awarded for environmental management

2011 New operations in Hungary and Italy.
Warehouse space increased by 50 %.

... our high standard of quality

The B.E.G. employees are proud to be able provide the customers with products that boast innovative technology, unimpeachable workmanship and advanced designs while maintaining good value for money – products that compare very favourably other brand name manufacturers.

Customer satisfaction out of principle

For us, quality starts during product development. It is important to us that the products meet our customers' requirements and even exceed their expectations, which is why we involve you!

Quality with system

Our company, **B.E.G.**, is certified according to ISO 9001:2008 (quality management) and ISO 14001:2004 (environmental management).

That means the entire **B.E.G.** company works on the basis of a standardized quality management system. The highest goal is our customers' satisfaction.

Our employees constantly work on assuring this high quality standard and eliminating any potential sources of errors. Our products' reliability, usefulness, electromagnetic compatibility (EMC) and safety is ensured by our cooperation with independent testing institutes.

We will not let you down

We apply the same high standard of quality we place on our products to supporting our customers after purchase.

B.E.G. provides extensive after sales service to achieve this.

You will receive competent support from our trained office staff on questions about application, reordering and guarantee processing. Our field representatives will help you during project planning and will keep you up to date about products from **B.E.G.** If technical questions should arise, our qualified technicians are always available on the telephone or, if necessary, onsite. We carry out any possible required repairs in our company, quickly and professionally.

In record time and optimal condition in your company

By strictly selecting our logistics partners, we ensure that the goods you have ordered arrive at your company in the shortest time, punctually and in flawless condition.

ISO 14001 DNV Certified Company

ISO 9001 DNV Certified Company

Our approach to energy savings in buildings – LUXOMAT® motion and occupancy detectors


Homes


Security


Conference rooms


Corridors


Warehouses


Offices

Switch or dim lights with intelligence and energy efficiency

B.E.G. offers KNX/EIB occupancy detectors for various ranges with diameters up to 44 m and 360°, which are capable of carrying out nearly any application required of a professional lighting control system, for example, in schools, gymnasiums, department stores, warehouses, offices, corridors, baths, private homes, museums and staircases.

For example, the mini-occupancy detector PD9-DIM-KNX/EIB, with its small dimensions of only Ø 45 mm (outer ring) and 25 mm (sensor part), is especially inconspicuous, small and compact. It is also available on request in the GH version for installation heights of up to 10 m.

The motion detector RC-plus next 230 is also available as a KNX/EIB version – the new KNX/EIB exterior motion detector represents a new highlight in the product portfolio of **B.E.G.** The special feature of the 230° detector is its extensive range of 20 m. It is equipped with modern sensors for improved detection quality and is available in black and white.

In addition to daylight and occupancy-dependent lighting control, building control with KNX/EIB also enables individual lighting control, for example, of interior lighting, heating or ventilation in your building, entirely according to your wishes. It is thus also possible to realise individual and flexible solutions for old and new buildings in a cost-efficient and energy saving fashion.

OVERVIEW OF KNX MOTION DETECTORS FOR OUTDOORS

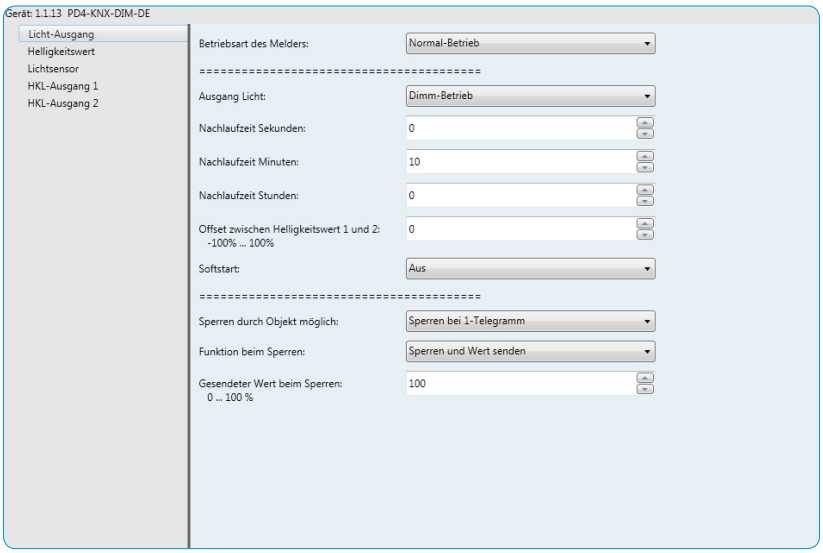
Motion detector	Part. no.	Page	Wall installation	Ceiling installation	Outer corner installation	Corner socket	Motion detection	Range	Detection angle
RC-plus next 230 (KNX/EIB)	97052 – white 97053 – black	8	■	■	☐	☐	■	20 m	230°

☐ Accessory

OCCUPANCY DETECTOR FOR KNX/EIB-BUS FOR SWITCHING OR DIMMING

Occupancy detector	Page				Daylight measurement	Motion detection	Range	Additional functions
PD2-DIM-KNX/EIB	9	92430	92431	92432	■	■	Ø 10 m	–
PD4-DIM-KNX/EIB	10	92433	92434	92435	■	■	Ø 24 m	–
PD4-DIM-KNX/EIB-GH	11	92454	–	–	■	■	Ø 44 m	for high-bay storages
PD4-DIM-KNX/EIB-C	12	92461	92456	92459	■	■	Ø 40 m	Corridor detector
PD9-DIM-KNX/EIB	13	–	92437	–	■	■	Ø 10 m	Mini detector
PD9-DIM-KNX/EIB-GH	14	–	92438	–	■	■	Ø 6 m	for high-bay storages
Indoor 180-DIM-KNX/EIB	15	–	–	92436	■	■	max. r = 10 m	–

Clearly structured and easy to operate menu for set-up.

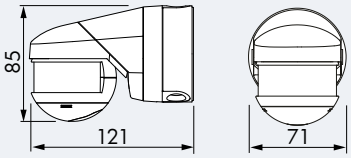


LUXOMAT® RC-plus next 230 (KNX/EIB)

With daylight-dependent deactivation

white

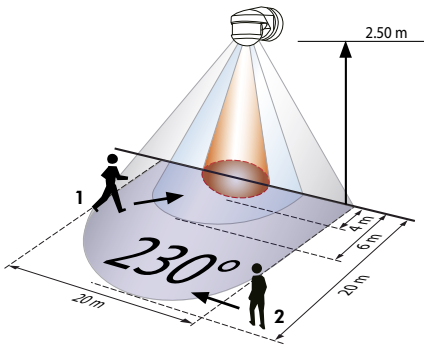
black



Before programming, please note the device and software version.

TECHNICAL DATA

- 24 VDC from KNX/EIB-BUS
- 230°
- max. 20 m when walking across (tangential)
- IP54 / Class II / CE
- L 121 x W 71 x H 85 mm
- -25°C to +55°C
- Housing UV- and shock-resistant Polycarbonate
- **for integration in KNX/EIB-BUS systems**



1 Walking towards
2 Walking across
Anti-creep

PRODUCT INFORMATION

- Motion detector **LUXOMAT®** RC-plus next 230 (KNX/EIB) for building services engineering, which based on KNX/EIB-BUS-network (European Installation Bus)
- **Application examples:** monitoring a whole side of a building, warehouses, ramps or garages

Application possibilities:

- With integrated bus coupler! Connection via WAGO standard bus connector
- When using the BEG_DIM_HKL_V4.0 application program, four different operating modes are available:
  - Standard mode (semi-automatic or fully automatic mode **(switching)**)
  - Semi-automatic or fully automatic mode with **daylight-dependent regulation (dimming)**
  - Slave mode
  - **NEW:** Permanent dimmer (light control that is not dependent on presence)
- Specification of three target values: Two target values are regulated (specified in Lux) and one target value is a fixed setpoint (specified in %)
- Target values can be changed using a communication object.
- Soft start to slowly switch on the lighting to the target value
- **NEW:** Reflection factor for improved adjustment to the ambient conditions
- **NEW:** HVAC channels (switch channels) can now be switched using a pushbutton
- **Main communications objects:**
  1. 1x switch outlet or 2x light regulator outlets
  2. 2x switch channels for occupancy detection or activation of HVAC systems (HVAC= heating, ventilation, air conditioning)
  3. Issuing of the currently measured lux value

ACCESSORY (OPTIONAL)

RC-plus next corner socket

white black

Wire basket

Blinds see page 16!

Slaves RC-plus next 230 (KNX/EIB) see page 8!

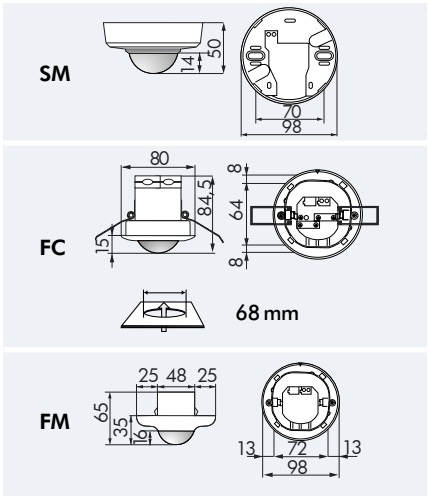
Description	Colour	Part number
RC-plus next 230 (KNX/EIB)	white	97052
RC-plus next 230 (KNX/EIB)	black	97053
Accessory (optional)		
Corner socket for RC-plus next	white	97004
Corner socket for RC-plus next	black	97024
Wire basket BSK	white	92467

LUXOMAT® PD2-DIM-KNX/EIB-SM/-FC/-FM

SM

FC

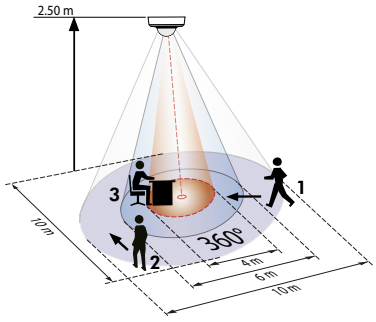
FM



TECHNICAL DATA

- 24 VDC from KNX/EIB-BUS
- ○ 360°
- seated Ø 4.00 m
  across Ø 10.00 m
  towards Ø 6.00 m
- SM/FC/FM = IP20 / Class II / CE
- **SM** Ø 98 x H 50 mm
  FC Ø 80 x H 84.5 mm
  FM Ø 98 x H 65 mm
- -25°C to +55°C
- Housing UV- and shock-resistant Polycarbonate
- **for integration in KNX/EIB-BUS systems**

› Before programming, please note the device and software version.



1 Walking towards
2 Walking across
3 Seated activity

PRODUCT INFORMATION

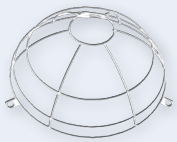
- Occupancy detector **LUXOMAT®** PD2-DIM-KNX/EIB for building services engineering, which based on KNX/EIB-BUS-network (European Installation Bus)
- **Application examples:** offices, conference rooms, schools, nursery schools, hospitals

Application possibilities:

- With integrated bus coupler! Connection via WAGO standard bus connector
- When using the BEG_DIM_HKL_V4.0 application program, four different operating modes are available:
  - Standard mode (semi-automatic or fully automatic mode **(switching)**)
  - Semi-automatic or fully automatic mode with **daylight-dependent regulation (dimming)**
  - Slave mode
  - **NEW:** Permanent dimmer (light control that is not dependent on presence)
- Specification of three target values: Two target values are regulated (specified in Lux) and one target value is a fixed setpoint (specified in %)
- Target values can be changed using a communication object.
- Soft start to slowly switch on the lighting to the target value
- **NEW:** Reflection factor for improved adjustment to the ambient conditions
- **NEW:** HVAC channels (switch channels) can now be switched using a pushbutton
- **Main communications objects:**
  1. 1x switch outlet or 2x light regulator outlets
  2. 2x switch channels for occupancy detection or activation of HVAC systems (HVAC= heating, ventilation, air conditioning)
  3. Issuing of the currently measured lux value

ACCESSORY (OPTIONAL)

Wire basket



Socket IP54

Blinds
see page 16!

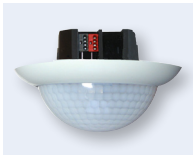
Slaves PD2-DIM-KNX/EIB
see page 9!

Description	Colour	Part number
PD2-DIM-KNX/EIB-SM	white	92430
PD2-DIM-KNX/EIB-FC	white	92431
PD2-DIM-KNX/EIB-FM	white	92432
Accessory (optional)		
Wire basket BSK	white	92199
Socket IP54 for PD2-SM	white	92161

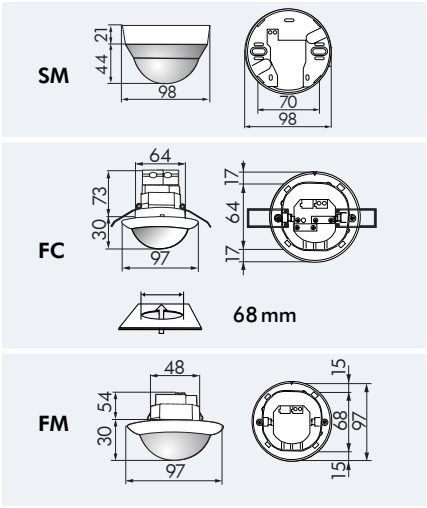
LUXOMAT® PD4-DIM-KNX/EIB-SM/-FC/-FM

SM

FC



FM



TECHNICAL DATA

24 VDC from KNX/EIB-BUS

360°

seated Ø 6.40 m
across Ø 24.00 m
towards Ø 8.00 m

SM/FC/FM = IP20 / Class II / CE

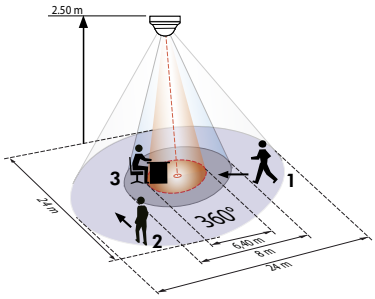
SM Ø 98 x H 65 mm
FC Ø 97 x H 103 mm
FM Ø 97 x H 84 mm

-25°C to +55°C

Housing UV- and shock-resistant Polycarbonate

for integration in KNX/EIB-BUS systems

Before programming, please note the device and software version.



1 Walking towards
2 Walking across
3 Seated activity

PRODUCT INFORMATION

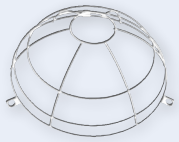
- Occupancy detector **LUXOMAT®** PD4-DIM-KNX/EIB for building services engineering, which based on KNX/EIB-BUS-network (European Installation Bus)
- **Application examples:** monitoring of large areas like underground garages, gyms, warehouses, loading ramps, halls

Application possibilities:

- With integrated bus coupler! Connection via WAGO standard bus connector
- When using the BEG_DIM_HKL_V4.0 application program, four different operating modes are available:
  - Standard mode (semi-automatic or fully automatic mode **(switching)**)
  - Semi-automatic or fully automatic mode with **daylight-dependent regulation (dimming)**
  - Slave mode
  - **NEW:** Permanent dimmer (light control that is not dependent on presence)
- Specification of three target values: Two target values are regulated (specified in Lux) and one target value is a fixed setpoint (specified in %)
- Target values can be changed using a communication object.
- Soft start to slowly switch on the lighting to the target value
- **NEW:** Reflection factor for improved adjustment to the ambient conditions
- **NEW:** HVAC channels (switch channels) can now be switched using a pushbutton
- **Main communications objects:**
  1. 1x switch outlet or 2x light regulator outlets
  2. 2x switch channels for occupancy detection or activation of HVAC systems (HVAC= heating, ventilation, air conditioning)
  3. Issuing of the currently measured lux value

ACCESSORY (OPTIONAL)

Wire basket



Socket IP54

SM-Socket IP65

Blinds
see page 16!

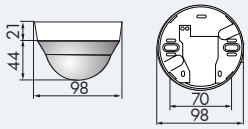
Slaves PD4-DIM-KNX/EIB
see page 10!

Description	Colour	Part number
PD4-DIM-KNX/EIB-SM	white	92433
PD4-DIM-KNX/EIB-FC	white	92434
PD4-DIM-KNX/EIB-FM	white	92435
Accessory (optional)		
Wire basket BSK	white	92199
Socket IP54 for PD4-SM	white	92161
SM-Socket IP65 for PD4-SM (IP20)	white	92375

LUXOMAT® PD4-DIM-KNX/EIB-GH-SM

Suitably for high-bay storages

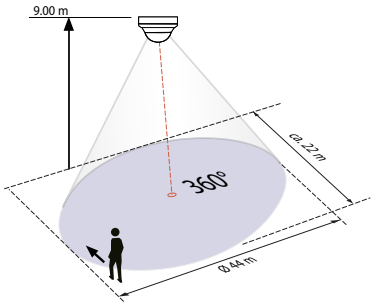
SM



TECHNICAL DATA

- 24 VDC from KNX/EIB-BUS
- ○ 360°
- across Ø 44.00 m
- SM = IP20 / Class II / CE
- Ø 98 x H 65 mm
- -25°C to +55°C
- Housing UV- and shock-resistant Polycarbonate
- **for integration in KNX/EIB-BUS systems**

! Before programming, please note the device and software version.



PRODUCT INFORMATION

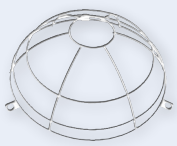
- Occupancy detector **LUXOMAT®** PD4-DIM-KNX/EIB-GH-SM (surface mounting version) for building services engineering, which based on KNX/EIB-BUS-network (European Installation Bus)
- **Application examples:** monitoring of warehouses, high-bay storages, wherever at a great mounting height is necessary

Application possibilities:

- With integrated bus coupler! Connection via WAGO standard bus connector
- When using the BEG_DIM_HKL_V4.0 application program, four different operating modes are available:
  - Standard mode (semi-automatic or fully automatic mode **(switching)**)
  - Semi-automatic or fully automatic mode with **daylight-dependent regulation (dimming)**
  - Slave mode
  - **NEW:** Permanent dimmer (light control that is not dependent on presence)
- Specification of three target values: Two target values are regulated (specified in Lux) and one target value is a fixed setpoint (specified in %)
- Target values can be changed using a communication object.
- Soft start to slowly switch on the lighting to the target value
- **NEW:** Reflection factor for improved adjustment to the ambient conditions
- **NEW:** HVAC channels (switch channels) can now be switched using a pushbutton
- **Main communications objects:**
  1. 1x switch outlet or 2x light regulator outlets
  2. 2x switch channels for occupancy detection or activation of HVAC systems (HVAC= heating, ventilation, air conditioning)
  3. Issuing of the currently measured lux value

ACCESSORY (OPTIONAL)

Wire basket



Socket IP54

SM-Socket IP65

Blinds see page 16!

Slaves PD4-DIM-KNX/EIB-GH see page 11!

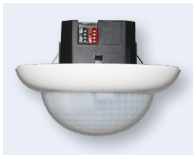
Description	Colour	Part number
PD4-DIM-KNX/EIB-GH-SM	white	92454
Accessory (optional)		
Wire basket BSK	white	92199
Socket IP54 for PD4-SM	white	92161
SM-Socket IP65 for PD4-SM (IP20)	white	92375

LUXOMAT® PD4-DIM-KNX/EIB-C-SM/-FC/-FM

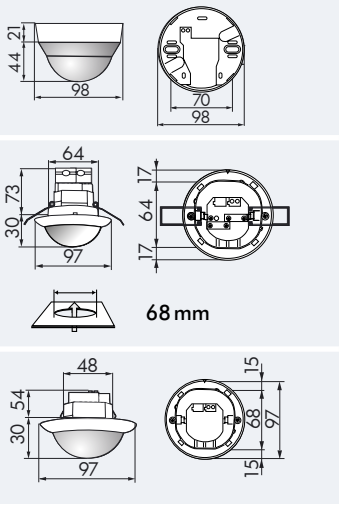
Ideal for corridors

SM

FC



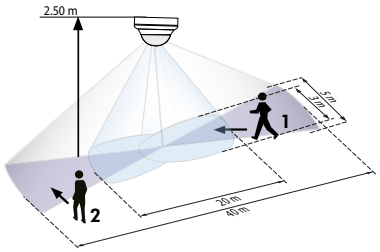
FM



TECHNICAL DATA

- 24 VDC from KNX/EIB-BUS
- ○ 360°
- across Ø 40.00 m
  towards Ø 20.00 m
- SM/FC/FM = IP20 / Class II / CE
- **SM** Ø 98 x H 65 mm
  FC Ø 97 x H 103 mm
  FM Ø 97 x H 84 mm
- -25°C to +55°C
- Housing UV- and shock-resistant Polycarbonate
- **for integration in KNX/EIB-BUS systems**

Before programming, please note the device and software version.



1 Walking towards
2 Walking across

PRODUCT INFORMATION

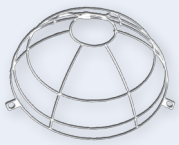
- Occupancy detector **LUXOMAT®** PD4-DIM-KNX/EIB-C for building services engineering, which based on KNX/EIB-BUS-network (European Installation Bus)
- **Application examples:** monitoring of long corridors

Application possibilities:

- With integrated bus coupler! Connection via WAGO standard bus connector
- When using the BEG_DIM_HKL_V4.0 application program, four different operating modes are available:
  - Standard mode (semi-automatic or fully automatic mode **(switching)**)
  - Semi-automatic or fully automatic mode with **daylight-dependent regulation (dimming)**
  - Slave mode
  - **NEW:** Permanent dimmer (light control that is not dependent on presence)
- Specification of three target values: Two target values are regulated (specified in Lux) and one target value is a fixed setpoint (specified in %)
- Target values can be changed using a communication object.
- Soft start to slowly switch on the lighting to the target value
- **NEW:** Reflection factor for improved adjustment to the ambient conditions
- **NEW:** HVAC channels (switch channels) can now be switched using a pushbutton
- **Main communications objects:**
  1. 1x switch outlet or
     2x light regulator outlets
  2. 2x switch channels for occupancy detection or activation of HVAC systems (HVAC= heating, ventilation, air conditioning)
  3. Issuing of the currently measured lux value

ACCESSORY (OPTIONAL)

Wire basket



Socket IP54

Wall bracket for PD4-C-SM (also suitable for PD2-/PD4-SM)

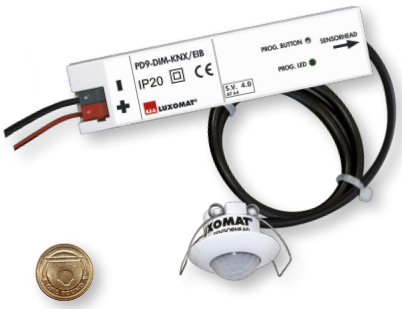
SM-Socket IP65

Blinds see page 16!

Slaves PD4-DIM-KNX/EIB-C see page 12!

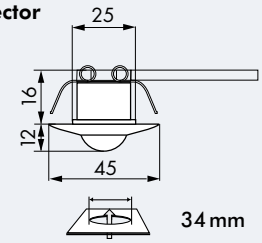
Description	Colour	Part number
PD4-DIM-KNX/EIB-C-SM	white	92461
PD4-DIM-KNX/EIB-C-FC	white	92456
PD4-DIM-KNX/EIB-C-FM	white	92459
Accessory (optional)		
Wire basket BSK	white	92199
Socket IP54 for PD4-SM	white	92161
Wall bracket for PD4-C-SM	white	92441
SM-Socket IP65 for PD4-SM (IP20)	white	92375

LUXOMAT® PD9-DIM-KNX/EIB-FC



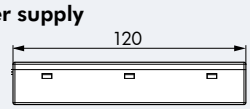
"Size comparison"

Detector



34 mm

Power supply



L 120 x W 29 x H 22 mm

TECHNICAL DATA

24 VDC from KNX/EIB-BUS

360°

seated	Ø 4.00 m
across	Ø 10.00 m
towards	Ø 6.00 m

IP FC = IP20 / Class II / CE

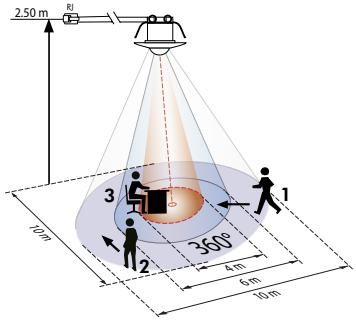
Detector
Ø 45 x H 28 mm
Power supply
L 120 x W 29 x H 22 mm

-25°C to +55°C

Housing UV- and shock-resistant Polycarbonate

for integration in KNX/EIB-BUS systems

Before programming, please note the device and software version.



1 Walking towards
2 Walking across
3 Seated activity

PRODUCT INFORMATION

- Occupancy detector **LUXOMAT®** PD9-DIM-KNX/EIB-FC for building services engineering, which based on KNX/EIB-BUS-network (European Installation Bus)
- **Application examples:** offices, conference rooms, schools, nursery schools, hospitals

Application possibilities:

- With integrated bus coupler! Connection via WAGO standard bus connector
- When using the BEG_DIM_HKL_V4.0 application program, four different operating modes are available:
  - Standard mode (semi-automatic or fully automatic mode **(switching)**)
  - Semi-automatic or fully automatic mode with **daylight-dependent regulation (dimming)**
  - Slave mode
  - **NEW:** Permanent dimmer (light control that is not dependent on presence)
- Specification of three target values: Two target values are regulated (specified in Lux) and one target value is a fixed setpoint (specified in %)
- Target values can be changed using a communication object.
- Soft start to slowly switch on the lighting to the target value
- **NEW:** Reflection factor for improved adjustment to the ambient conditions
- **NEW:** HVAC channels (switch channels) can now be switched using a pushbutton
- **Main communications objects:**
  1. 1x switch outlet or 2x light regulator outlets
  2. 2x switch channels for occupancy detection or activation of HVAC systems (HVAC= heating, ventilation, air conditioning)
  3. Issuing of the currently measured lux value

ACCESSORY (OPTIONAL)

Cover rings for substitution

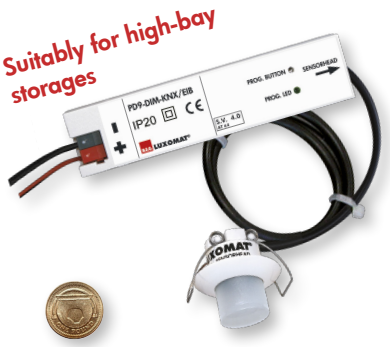
white silver anthracite

Blinds
see page 16!

Slaves PD9-DIM-KNX/EIB
see page 13!

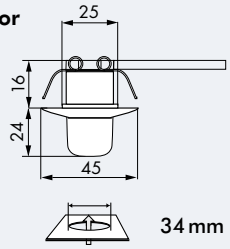
Description	Colour	Part number
PD9-DIM-KNX/EIB-FC	white	92437
Accessory (optional)		
Cover ring for PD9 (35 mm)	white, RAL9010	92238
Cover ring for PD9 (35 mm)	silver, RAL9006	92237
Cover ring for PD9 (35 mm)	anthracite, RAL7021	92235

LUXOMAT® PD9-DIM-KNX/EIB-GH-FC



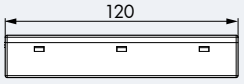
"Size comparison"

Detector



34 mm

Power supply

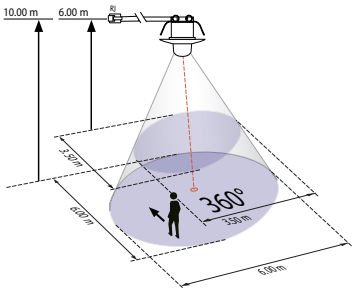


L 120 x W 29 x H 22 mm

TECHNICAL DATA

- 24 VDC from KNX/EIB-BUS
- 360°
- max. Ø 6 m
- DE = IP20 / Class II / CE
- **Detector**
  Ø 45 x H 40 mm
  Power supply
  L 120 x W 29 x H 22 mm
- -25°C to +55°C
- Housing UV- and shock-resistant Polycarbonate
- **for integration in KNX/EIB-BUS systems**

Before programming, please note the device and software version.



PRODUCT INFORMATION

- Occupancy detector **LUXOMAT®** PD9-DIM-KNX/EIB-GH-FC for building services engineering, which based on KNX/EIB-BUS-network (European Installation Bus)
- **Application examples:**
  monitoring of warehouses, high-bay storages, wherever at a great mounting height is necessary

Application possibilities:

- With integrated bus coupler! Connection via WAGO standard bus connector
- When using the BEG_DIM_HKL_V4.0 application program, four different operating modes are available:
  - Standard mode (semi-automatic or fully automatic mode **(switching)**)
  - Semi-automatic or fully automatic mode with **daylight-dependent regulation (dimming)**
  - Slave mode
  - **NEW:** Permanent dimmer (light control that is not dependent on presence)
- Specification of three target values: Two target values are regulated (specified in Lux) and one target value is a fixed setpoint (specified in %)
- Target values can be changed using a communication object.
- Soft start to slowly switch on the lighting to the target value
- **NEW:** Reflection factor for improved adjustment to the ambient conditions
- **NEW:** HVAC channels (switch channels) can now be switched using a pushbutton
- **Main communications objects:**
  1. 1x switch outlet or
     2x light regulator outlets
  2. 2x switch channels for occupancy detection or activation of HVAC systems (HVAC= heating, ventilation, air conditioning)
  3. Issuing of the currently measured lux value

ACCESSORY (OPTIONAL)

Cover rings for substitution

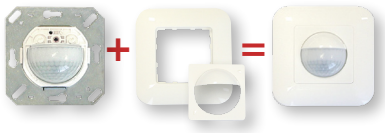
white silver anthracite

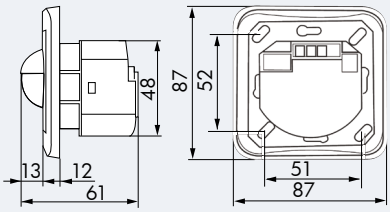
Blinds
see page 16!

Slaves PD9-DIM-KNX/EIB-GH see page 14!

Description	Colour	Part number
PD9-DIM-KNX/EIB-GH-FC	white	92438
Accessory (optional)		
Cover ring for PD9 (35 mm)	white, RAL9010	92238
Cover ring for PD9 (35 mm)	silver, RAL9006	92237
Cover ring for PD9 (35 mm)	anthracite, RAL7021	92235

LUXOMAT® Indoor 180-DIM-KNX/EIB

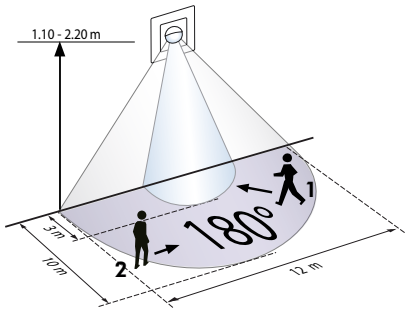




TECHNICAL DATA

- 24 VDC from KNX/EIB-BUS
- 180°
- max. Ø 10.00 m
- IP20 / Class II / CE
- L 87 x W 87 x D 61 mm
- -25°C to +55°C
- Housing UV- and shock-resistant Polycarbonate
- **for integration in KNX/EIB-BUS systems**

Before programming, please note the device and software version.



1 Walking towards
2 Walking across

PRODUCT INFORMATION

- Wall switch **LUXOMAT®** Indoor 180-DIM-KNX/EIB with semi-circular detection area for building services engineering, which based on KNX/EIB-BUS-network (European Installation Bus)
- **Application examples:** monitoring of public lavatories, corridors, archive rooms, conference rooms

Application possibilities:

- When using the BEG_DIM_HKL_V4.0 application program, four different operating modes are available:
  - Standard mode (semi-automatic or fully automatic mode **(switching)**)
  - Semi-automatic or fully automatic mode with **daylight-dependent regulation (dimming)**
  - Slave mode
  - **NEW:** Permanent dimmer (light control that is not dependent on presence)
- Specification of three target values: Two target values are regulated (specified in Lux) and one target value is a fixed setpoint (specified in %)
- **NEW:** Reflection factor
- **NEW:** HVAC channels (switch channels) can now be switched using a pushbutton
- **Main communications objects:**
  1. 1x switch outlet or 2x light regulator outlets
  2. 2x switch channels for occupancy detection or activation of HVAC systems (HVAC= heating, ventilation, air conditioning)
  3. Issuing of the currently measured lux value
- **Covers sold separately!**

ACCESSORY (OPTIONAL)

Covering IP20					Covering IP54	SM-Socket
pure white, RAL9010	traffic white, RAL9016	cream white, RAL1013	anthracite, RAL7021	silver, RAL9006	pure white, RAL9010	pure white, RAL9010

Blinds see page 16!

Slaves Indoor 180-DIM-KNX/EIB see page 15!

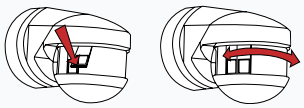
Description	Colour	Part number
Sensor insert for Indoor 180-DIM-KNX/EIB-FM	–	92436
Accessory for sensor insert		
Covering IP20	pure white, RAL9010	92630
Covering IP20	traffic white, RAL9016	92631
Covering IP20	cream white, RAL1013	92632
Covering IP20	silver, RAL9006	92633
Covering IP20	anthracite, RAL7021	92634
Covering IP54	pure white, RAL9010	92139
Accessory (optional)		
SM-Socket for Indoor	pure white, RAL9010	92141

BLINDS FOR RESTRICTING THE DETECTION AREA FOR **B.E.G.** MOTION AND OCCUPANCY DETECTORS

- Blinds ensure that the detectors' detection area is adapted to the local circumstances. Sources of interference or unwanted areas can be eliminated from the area subject to motion detection. Cover blinds are already supplied as standard. Additional blinds can be ordered separately if required.

*Blinds for **B.E.G.** motion detectors*

LUXOMAT® RC-plus next (limitation of detection angle) – Part. no. 32697

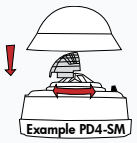


RC-plus next with blinds

*Blinds for **B.E.G.** occupancy detectors*

LUXOMAT® PD2, PD4 – SM-version – Part. no. 32700

The blinds have nominal breaks at regular distances. The detection area can therefore be accurately adapted to your needs.

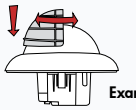


Example PD4-SM

PD4-SM with blinds

LUXOMAT® PD4 – FC- and FM-version – Part. no. 32701

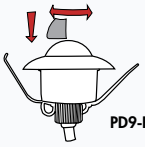
The blinds have nominal breaks at regular distances. The detection area can therefore be accurately adapted to your needs.



Example PD4-FM

PD4-FM with blinds

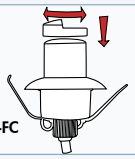
LUXOMAT® Mini occupancy detector PD9 – Part. no. 32702



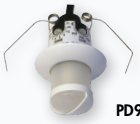
PD9-FC

PD9-FC with blinds

LUXOMAT® Mini occupancy detector PD9-GH for great heights – Part. no. 33207

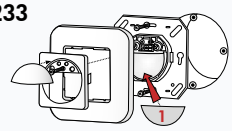


PD9-GH-FC



PD9-GH-FC with blind

LUXOMAT® Indoor 180 – Part. no. 33233



1 to mask recording below the mounting height (to prevent small animals being detected)

Indoor 180 with blind

KNX – The intelligent way to secure, comfortable and profitable facilities

- The **B.E.G.** solution for building automation and intelligent living

HVAC	Visualisation	Illumination	Time-dependent	Daylight-dependent	Occupancy-dependent

KNX – The solution for intelligent living

- Cost-efficient and energy-saving
- Individual solutions for old and new buildings
- More comfort, profitability and security
- Flexible due to individual adjustment
- Linking of various systems from different manufacturers possible
- Future-proof

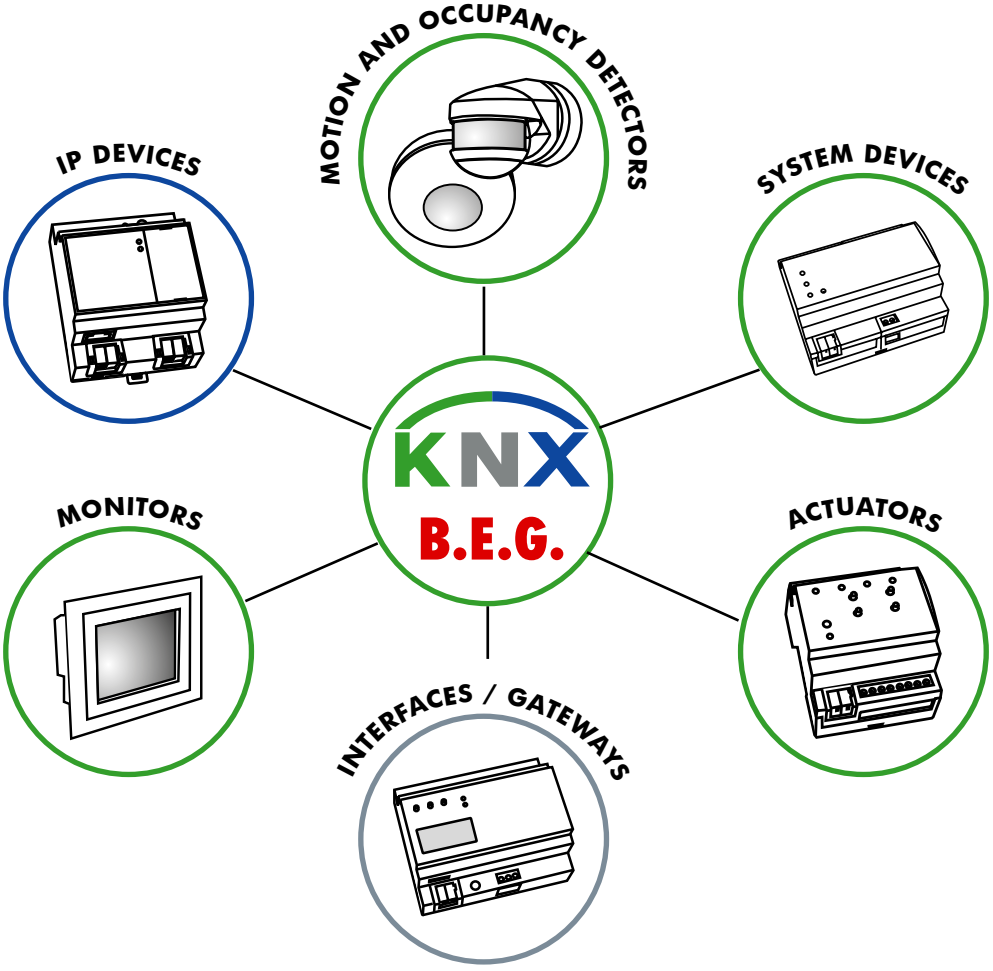
KNX is the solution for building automation and intelligent living, as well as the only open standard for home and building system technology worldwide. It fulfils the requirements of the two European Standards CENELEC EN50090 and CEN EN 13321-1.

This recognition as an international standard (ISO/IEC 14543-3) confirms the global importance of the KNX standard. This makes it possible for planners and users to utilise intelligent control systems for residential and functional buildings worldwide.

In addition to daylight and occupancy-dependent lighting control, building control with KNX also enables individual lighting control, for example, of interior lighting, heating or ventilation, in your building entirely according to your wishes.

OVERVIEW OF POWER SUPPLIES

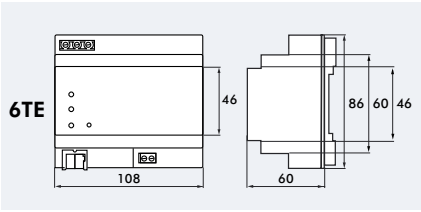
System device	Part. no.	Page	Sectional rail	Supply voltage	Nominal rated current	Maximum rated current	Number of participants	Separate 30 VDC outlet	Size
KNX PS-160 mA	90211	19	■	230 VAC / 50 Hz	160 mA	350 mA	16	–	4TE
KNX PS-640 mA	90212	19	■	230 VAC / 50 Hz	640 mA	1300 mA	64	■	6TE

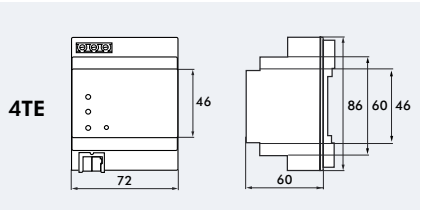


LUXOMAT® KNX PS 160 mA / 640 mA

640 mA

160 mA





TECHNICAL DATA

Supply voltage
230 VAC / 50 Hz

Output voltage
(KNX Bus supply)
30 VDC

Output voltage, non-detuned
(640 mA version)
30 VDC

90211 = 160 mA
90212 = 640 mA

IP20

4 TE
L 72 x W 60 x H 86 mm

6 TE
L 108 x W 60 x H 86 mm

0°C to +45°C

Plastic LEXAN UL-94-V0

PRODUCT INFORMATION

- The power supply KNX PS has an integrated inductor for supplying the BUS with a constant, stabilised voltage.
- The device is designed for DIN top-hat rail assembly in high voltage current distributors.
- The KNX PS 640 mA also possesses a non-detuned, separate 30 VDC voltage outlet for supplying other devices.
- Delivery includes bus connection terminals.
- **Application examples:**
  For the generation of the KNX bus voltage and the supply of up to 64 KNX participants (KNX-PS 160 mA 16 participants) of a line

Description	Colour	Part number
KNX PS 160 mA	white	90211
KNX PS 640 mA	white	90212

KNX actuators for the easy and quick switching and dimming of consumers

- Switch, blind and dimmer actuators for communication via KNX






Interior lighting	Exterior lighting	Blind control	Staircases	Building entrances	Security

Intelligent control of the building

The KNX actuators from **B.E.G.** convert the signals created in the KNX BUS system into actions. In this way switch actuators receive KNX/EIB telegrams and switch consumers independently of one another. Blinds can also be lowered and raised with actuators, and the slats adjusted. Dimmer actuators, on the other hand, serve to regulate illumination to the desired nominal value.

The top-hat rail devices are integrated installation-friendly, quickly and flexibly into the KNX system and can be reprogrammed at any time.

What is KNX?

- KNX is a field bus for building automation and the successor of the EIB, BatiBus and EHS field buses.
- Open standard connected by more than 200 companies worldwide in the meantime.
- A clear reduction of the energy consumption of a building thanks to the intelligent control of the building system.
- Functional and device diversity: control of heating, air conditioning, awnings, blinds, ventilation, lighting, household devices.
- Holiday and time control for requirement-oriented energy management.
- Panic switches, alarms and visualisation for more security.

OVERVIEW OF KNX ACTUATORS

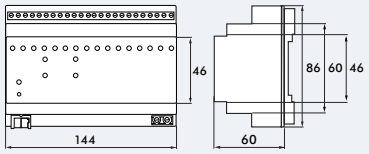
Actuator	Part. no.	Page	Sectional rail	Supply voltage	Number of outlets	Size	Functions	Special functions
KNX SA-8C-230 V	90200	22	■	230 VAC / 50 Hz	8	4TE	Switch loads	–
KNX SA-16C-230 V	90201	22	■	230 VAC / 50 Hz	16	8TE	Switch loads	–
KNX SA-8C-230 V-CL	90209	23	■	230 VAC / 50 Hz	8	8TE	Switch loads	–
KNX SA-8C-EM	90210	24	■	230 VAC / 50 Hz	8	8TE	Switch loads	Current measurement
KNX SBA-4C-230 V	90190	25	■	230 VAC / 50 Hz	4	4TE	Control blinds	–
KNX SBA-4C-24 V	90191	26	■	24 VAC/ 50 Hz	4	4TE	Control blinds	for 24 V DC blinds
KNX SBA-8C-230 V	90192	25	■	230 VAC / 50 Hz	8	8TE	Control blinds	–
KNX CD-4C	90180	27	■	230 VAC / 50 Hz	4	4TE	Dimming 1-10 V	–

LUXOMAT® KNX SA-8C/16C-230 V

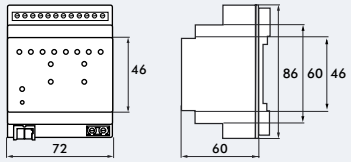
16C

8C

8TE



4TE



TECHNICAL DATA

Supply voltage
230 VAC / 50 Hz

Output voltage
230 VAC

< 0.5 W

10 A cosφ = 1

Incandescent lamps
1900 W

HV halogen lamps
1400 W

LV halogen lamps
500 W

Fluorescent lamps uncompensated
500 W

Fluorescent lamps parallel compensated
120 W

Capacitive loads:
max. 21 µF

Manual operation of the switching channels directly on the device

IP20

4 TE
L 72 x W 60 x H 86 mm

8 TE
L 144 x W 60 x H 86 mm

0°C to +45°C

Plastic LEXAN UL-94-V0

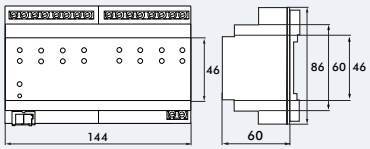
PRODUCT INFORMATION

- The switch actuators KNX SA-8C-230 V and KNX SA-16C-230 V receive KNX telegrams and switch up to 8 or 16 consumers independently of one another.
- Each outlet is controlled by way of a monostable relay.
- Each outlet can be individually programmed through the ETS3/4. A choice can be made between logical links, status reports, block functions, central switch functions and comprehensive time functions, such as activation/deactivation delays and staircase lighting timer functions. Scenario functions are also available.
- In the case of the series installation devices, four L-connections each are internally bridged.
- The device is planned for permanent installation on a top-hat rail in high voltage current distributors.
- Installation must take place in dry interiors.

Description	Colour	Part number
KNX SA-8C-230 V	white	90200
KNX SA-16C-230 V	white	90201

LUXOMAT® KNX SA-8C-230 V-CL

8C



TECHNICAL DATA

Supply voltage
230 VAC / 50 Hz

Output voltage
230 VAC

< 0.5 W

16 A cosφ = 1

Incandescent lamps
2700 W

HV halogen lamps
2500 W

LV halogen lamps
1000 W

Fluorescent lamps uncompensated
1800 W

Fluorescent lamps parallel compensated
1000 W

Capacitive loads:
max. 100 µF

Manual operation of the switching channels directly on the device

IP20

8 TE
L 144 x W 60 x H 86 mm

0°C to +45°C

Plastic LEXAN UL-94-V0

PRODUCT INFORMATION

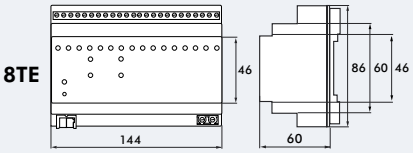
- The switch actuators KNX SA-8C-230 V-CL receive KNX telegrams and switch consumers independently of one another.
- Suitable for loads with up to 100 µF at 16 A
- Each outlet is controlled by way of a bistable relay and can also be manually activated with the buttons at the actuator.
- Each outlet can be individually programmed through the ETS3/4. A choice can be made between logical links, status reports, block functions, central switch functions and comprehensive time functions, such as activation/deactivation delays and staircase lighting timer functions. Scenario functions are also available.
- In the event of a mains failure, all relays maintain their current switch position. In the event of bus voltage failure or resumption, the switch positions of the relay can be individually programmed for each channel.
- The device is planned for permanent installation on a top-hat rail in high voltage current distributors.
- Installation must take place in dry interiors.

Description	Colour	Part number
KNX SA-8C-230 V-CL	white	90209

LUXOMAT® KNX SA-8C-EM

With current measurement

8C



TECHNICAL DATA

Supply voltage
230 VAC / 50 Hz

Output voltage
230 VAC

< 0.5 W

16 A cosφ = 1

Incandescent lamps
3680 W

HV halogen lamps
3680 W

LV halogen lamps
2000 W

Fluorescent lamps uncompensated
3680 W

Fluorescent lamps parallel compensated
2500 W

Capacitive loads:
max. 200 µF

Manual operation of the switching channels directly on the device

IP20

8 TE
L 144 x W 60 x H 86 mm

0°C to +45°C

Plastic LEXAN UL-94-V0

PRODUCT INFORMATION

- Measures the current consumption of the connected consumers as of a current of 20 mA
- The following values can be determined: mA, A, kW
- Determination of the consumption per channel and sum of all channels
- Resettable operating hour counter
- Surveillance of service intervals
- The switch actuators KNX SA-8C-230 V-EM receive KNX telegrams and switch consumers independently of one another.
- Suitable for loads with up to 200 µF at 16 A
- Each outlet is controlled by way of a bistable relay and can also be manually activated with the buttons at the actuator.
- Each outlet can be individually programmed through the ETS3/4. A choice can be made between logical links, status reports, block functions, central switch functions and comprehensive time functions, such as activation/deactivation delays and staircase lighting timer functions. Scenario functions are also available.
- In the event of a mains failure, all relays maintain their current switch position. In the event of bus voltage failure or resumption, the switch positions of the relay can be individually programmed for each channel.
- The device is planned for permanent installation on a top-hat rail in high voltage current distributors.
- Installation must take place in dry interiors.

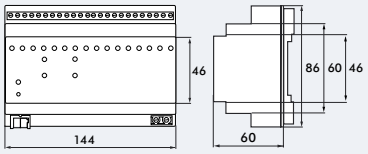
Description	Colour	Part number
KNX SA-8C-EM	white	90210

LUXOMAT® KNX SBA-4C/8C-230 V

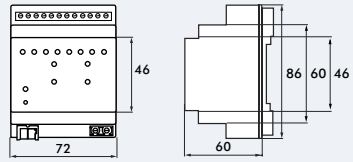
8C

4C

8TE



4TE



TECHNICAL DATA

Supply voltage
230 VAC / 50 Hz

Output voltage
230 VAC

< 0.5 W

Roller blind motors
600 W

Manual operation of the blind channels directly on the device

IP20

4 TE
L 72 x W 60 x H 86 mm

8 TE
L 144 x W 60 x H 86 mm

0°C to +45°C

Plastic LEXAN UL-94-V0

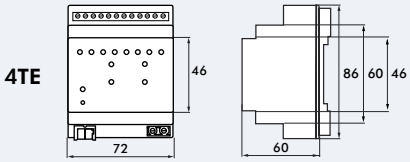
PRODUCT INFORMATION

- The blind actuators KNX SBA-4C-230 V and KNX SBA-8C-230 V receive KNX telegrams and control several blind motors with limit switches independently of one another.
- Each channel is controlled with two monostable relays and can also be manually activated with the buttons at the actuator.
- Each channel can be individually programmed through the ETS3/4. Status reports, blocking functions, central switch functions and extensive calibration and positioning functions are available for selection.
- In the event of bus voltage failure or resumption, the switch positions of the relay can be individually programmed for each channel.
- The device is planned for permanent installation on a top-hat rail in high voltage current distributors.
- Installation must take place in dry interiors.

Description	Colour	Part number
KNX SBA-4C-230 V	white	90190
KNX SBA-8C-230 V	white	90192

LUXOMAT® KNX SBA-4C-24 V

4C



TECHNICAL DATA

Supply voltage
230 VAC / 50 Hz

Output voltage
24 VDC

< 0.5 W

24 V DC Roller blind motors
200 W

Manual operation of the blind channels directly on the device

IP20

4 TE
L 72 x W 60 x H 86 mm

0°C to +45°C

Plastic LEXAN UL-94-V0

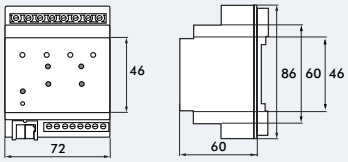
PRODUCT INFORMATION

- The blind actuators KNX SBA-4C-24 V receive KNX telegrams and control several blind motors with limit switches independently of one another.
- Each channel is controlled with two monostable relays and can also be manually activated with the buttons at the actuator.
- Each channel can be individually programmed through the ETS3/4. Status reports, blocking functions, central switch functions and extensive calibration and positioning functions are available for selection.
- In the event of bus voltage failure or resumption, the switch positions of the relay can be individually programmed for each channel.
- The device is planned for permanent installation on a top-hat rail in high voltage current distributors.
- Installation must take place in dry interiors.

Description	Colour	Part number
KNX SBA-4C-24 V	white	90191

LUXOMAT® KNX CD-4C

4C



TECHNICAL DATA

Supply voltage
230 VAC / 50 Hz

Output voltage
230 VAC

analog control outputs
1 - 10 V

< 0.3 W

per 1-10 V control channel:
30 mA

16 A cosφ = 1

Incandescent lamps
2700 W

HV halogen lamps
2500 W

LV halogen lamps
1000 W

Fluorescent lamps uncompensated
1800 W

Fluorescent lamps parallel compensated
1000 W

Capacitive loads:
max. 100 µF

Manual operation of the dimming channels directly on the device

16 A

IP20

4 TE
L 72 x W 60 x H 86 mm

0°C to +45°C

Plastic LEXAN UL-94-V0

PRODUCT INFORMATION

- The dimmer actuators KNX CD-4C serve the purpose of switching and dimming fluorescent lamps with 1-10 V EB. The voltage is directed to the EB through the relay of the device.
- The lights are regulated by way of 1-10 V voltage. **The voltage 1-10 V is provided by the EBs.**
- The device is equipped with short circuit and temperature protection, as well as a lamp-preserving soft start.
- The device is planned for permanent installation on a top-hat rail in high voltage current distributors.
- Installation must take place in dry interiors.

Description	Colour	Part number
KNX CD-4C	white	90180

Intelligent, clear and compact – the direct interfaces for DALI and KNX

- DALI and KNX – the connection of two worlds


Interior lighting


Exterior lighting

LED stage lighting


Offices


Warehouses, industrial buildings


Multi-use buildings

DaliController for lighting control with DALI

The DALI/KNX gateways from **B.E.G.** connect the trade-spanning KNX installation bus with the DALI bus designed purely for lighting control. This creates a bridge between two systems and adjustments can be carried out quickly and reliably in a task-oriented fashion. Digital EB with a DALI interface can thus be integrated as a subsystem into a KNX complete system and operated with a variety of available KNX devices.

The advantages of the DALI technology include easy commissioning and group allocation, as well as the ability to change the configuration without changing the wiring. A broad variety of light sources are supported. The dimming curve approximates human perception. Parallel dimming of several devices is possible. The brightness level is identical for all identically constructed lamps. Lights and EB error statistics are reported.

With the DALI/KNX gateways from **B.E.G.**, up to 64 EBs can be switched or dimmed in 16 groups. In the process, the devices serve as master and power supply for the connected EBs.

The complete commissioning of the device can take place with the help of the integrated display and the control keys or the software tool. As an alternative, **B.E.G.** offers a KNX/DALI gateway, also with an RJ45 interface, with which the device can be connected with an existing IP network. The integrated web server then enables simple DALI commissioning through any mobile browser-compatible device (smart phones, tablet PCs, etc.).

OVERVIEW OF DALI/KNX GATEWAYS

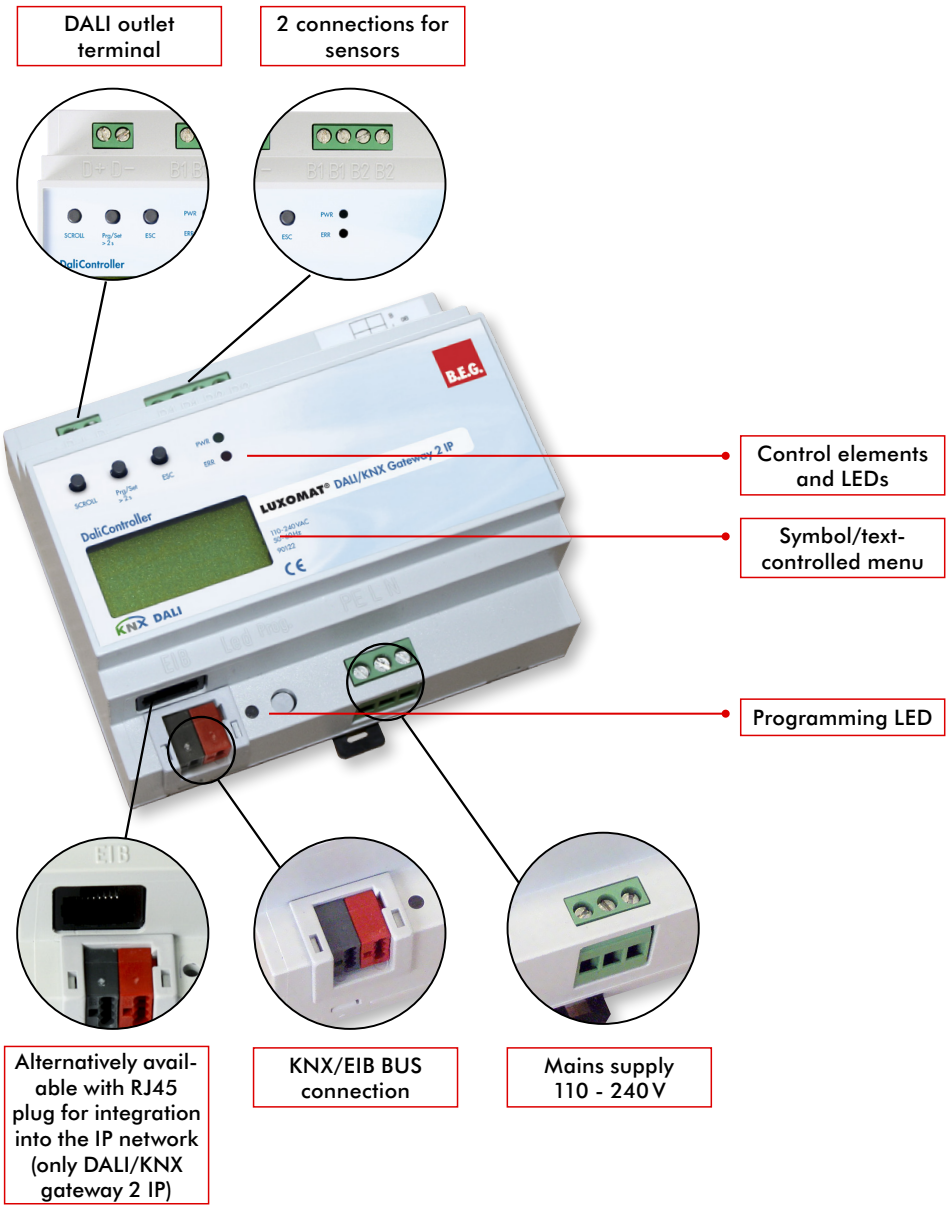
Gateway	Part. no.	Page	Sectional rail	Supply voltage	DALI-Programming Tool	Number of DALI-EBs	Size	Additional functions
DALI/KNX Gateway 1	90121	30	■	110 - 240 VAC / 50 - 60 Hz	☐	64	6TE	–
DALI/KNX Gateway 2 IP	90122	31	■	110 - 240 VAC / 50 - 60 Hz	☐	64	6TE	with IP interface

☐ Accessory

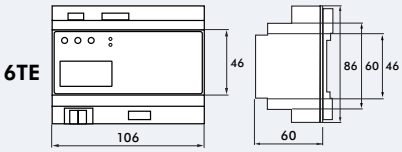
OVERVIEW OF SENSOR INTERFACES

Sensor interface	Part. no.	Page	Installation in 60 mm buried sockets	Supply voltage	Number of inputs	Maximum number of binary outlets	Functions
KNX sensor interface, 2x	90130	32	■	via KNX-BUS	2	1	for switching and dimming
KNX sensor interface, 4x	90131	32	■	via KNX-BUS	4	2	for switching and dimming

DaliController – DALI/KNX Gateway



LUXOMAT® DALI/KNX Gateway 1



TECHNICAL DATA

110 - 240 V, 50 to 60 Hz, max. 0.1 A, KNX BUS

LED red when displaying normal/addressing mode

PWR-LED green when displaying operational readiness (blinks when operating normally)

ERR-LED red when displaying error conditions

Learn key for switching normal/addressing mode

3 keys for device control and parameterisation

IP20 / Class I

6 TE
L 106 x W 60 x H 86 mm

Operation
0°C to +45°C

Storage
-25°C to +70°C

Plastic LEXAN UL-94-V0

FUNCTIONAL OVERVIEW

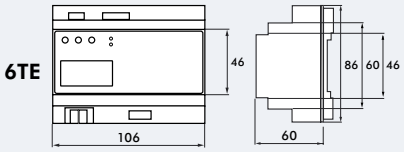
Function	
Primary functions	✓
Visualisation	–
Scenes	✓

PRODUCT INFORMATION

- Connection of the KNX-BUS with the DALI-BUS designed for lighting control
- Connection 110 - 230 VAC and KNX
- Up to 64 EBs can be connected with one gateway
- The DALI power consumption takes places via the DALI/KNX Gateway.
- The EBs can be assigned to up to 16 groups with digital addressing. They are switched and dimmed with the EIB.
- Easy saving of 16 light scenarios directly in the device without additional EIB auxiliary components
- Immediate commissioning following installation of the lights and test also possible without EIB
- Construction site operation with sensor inputs also possible without EIB
- Easy group assignment in the display without PC
- Alternatively, comfortable commissioning and assignment of groups with software tool
- Adding and removal of DALI EBs in the system possible without reconfiguration of the existing DALI EBs.
- Sensor inputs can also be used as a binary input for other functions, such as window contacts or conventional movement detectors
- EB and lamp errors can also be precisely localised within a group. Any defective lamp number can be called up individually on the display of the device under the menu point "system test".
- Easy reconfiguring without changing the wiring, and also possible without ETS
- A DALI short circuit is reported both on the display and on a separate EIB/KNX communication object

Description	Colour	Part number
DALI/KNX Gateway 1	white	90121
Accessory (optional)		
DALI-Programming Tool	white	90123

LUXOMAT® DALI/KNX Gateway 2 IP



FUNCTIONAL OVERVIEW

Function	
Primary functions	✓
Visualisation	✓
Scenes	✓

TECHNICAL DATA

110 - 240 V, 50 to 60 Hz, max. 0.1 A, KNX BUS

LED red when displaying normal/addressing mode

PWR-LED green when displaying operational readiness (blinks when operating normally)

ERR-LED red when displaying error conditions

Learn key for switching normal/addressing mode

3 keys for device control and parameterisation

IP20 / Class I

6 TE
L 106 x W 60 x H 86 mm

Operation
0°C to +45°C

Storage
-25°C to +70°C

Plastic LEXAN UL-94-V0

PRODUCT INFORMATION

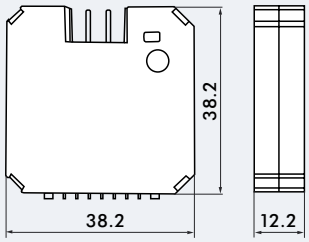
- Up to 64 EBs in 16 groups can be switched and dimmed with each gateway
- Commissioning and assignment of the DALI EBs via installed control keys, PDA or with software tool
- Local identification of the lights with the help of the comfortable commissioning tool
- RJ45 interface for integration into the IP network
- Via ETS individual activation of the EBs
- Commissioning through a web browser
- Connection of the KNX-BUS with the DALI-BUS designed for lighting control
- Saving of lighting scenarios without KNX auxiliary components
- Easy group assignment directly at the display
- Simple reconfiguration also possible without ETS
- Commissioning following installation also possible without KNX
- Commissioning also possible via integrated web server with PDA
- Connection 110 - 230 VAC and KNX

Description	Colour	Part number
DALI/KNX Gateway 2 IP	white	90122
Accessory (optional)		
DALI-Programming Tool	white	90123

LUXOMAT® KNX sensor interface

4x

2x



TECHNICAL DATA

- BUS 23 - 30 V
  < 10 mA
- Programming LED
- Programming key
- IP20
- L 38.2 x W 12.2 x H 38.2 mm
- -25°C to +55°C
- Plastic LEXAN UL-94-V0

Before programming, please note the device and software version.

PRODUCT INFORMATION

- User-friendly ETS interface
- Linking of up to 50 group addresses possible
- Switching and dimming function
- Blind control
- LED activation
- Programmable behaviour in the event of BUS power failure or BUS resumption
- Binary input and output device for use in 60 mm buried sockets
- Two or four inputs for floating sensor and switch contacts
- Two or four binary outputs for the activation of control lamps – low current LEDs (I = 2 mA)
- The product database for importing into the ETS must be downloaded from the **B.E.G.** homepage.

FUNCTIONAL OVERVIEW

Function	
Switching	✓
Compulsory guide	✓
Encoder	✓
Dimming	✓
Blind control	✓
LED activation	✓

Description	Colour	Part number
KNX sensor interface, 2x	white	90130
KNX sensor interface, 4x	white	90131

KNX Control Touch Panel – The multi-functional display and control device

- Compact visualisation of the KNX programming


Interior lighting


Exterior lighting


Blind control


HVAC


Kitchen


Living area

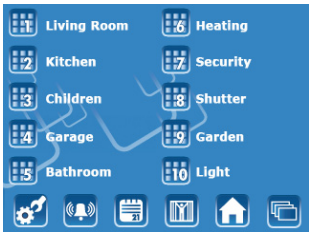
KNX Touch Panel for building automation – flexible and clearly structured

With **B.E.G.** KNX products, individual and flexible solutions for old and new buildings can be implemented in a cost-efficient and energy-saving fashion. To this purpose, the versatile programme of **B.E.G.** also includes a KNX Touch Control Display for direct visualisation and monitoring in the "intelligent house".

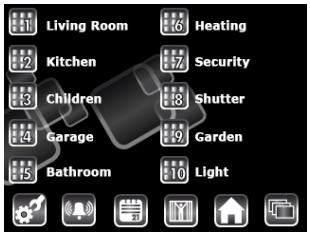
The multi-functional KNX Control Touch Panel as a display and control device contains 110 KNX functions in the form of operator pages and can configure up to 64 scenarios. All important standard functions and status displays of the KNX system can be easily set with the graphic-compatible 5.7" TFT colour display with LED background illumination.

KNX CONTROL TOUCH-PANEL (90120)

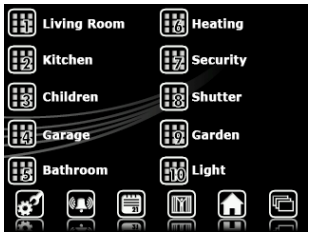
WITH FOUR DIFFERENT BACKGROUND DESIGNS



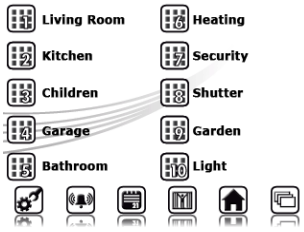
Blue Design



Grey Design



Black Design



White Design

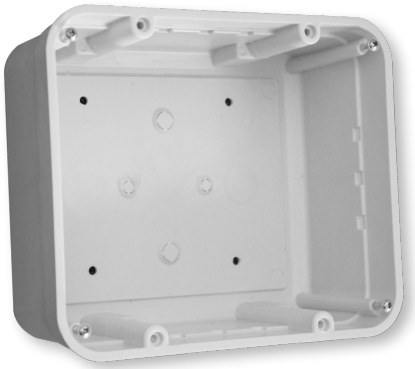
FOUR DIFFERENT FRAMES CAN BE ORDERED AS OPTIONS

Glass frame black (90127)

Glass frame white (90142)

Metal frame Stainless steel (90138)

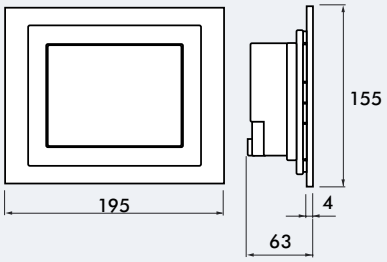
Metal frame Aluminium (90137)



FM-BOX (90128)

LUXOMAT® KNX Control Touch-Panel

Commissioning without plug-in



FUNCTIONAL OVERVIEW

Function	
Primary functions	✓
Visualisation	✓
Database and alarm history	✓
Scenes	✓
Logic	✓

TECHNICAL DATA

230 VAC, 50 - 60 Hz
KNX BUS

LED red when displaying normal/addressing mode

Graphic-compatible 5.7" TFT colour display
320 x 240 pixels with LED background illumination

Learn key for switching normal/addressing mode

Resistive analogue touch with touch-sensitive surface on the display

IP20 / Class I

Dimensions with frame
L 195 x W 155 x D 4 mm

Installation dimensions
L 161.5 x W 135 x D 64 mm

Operation
0°C to +45°C

Storage
-25°C to +70°C

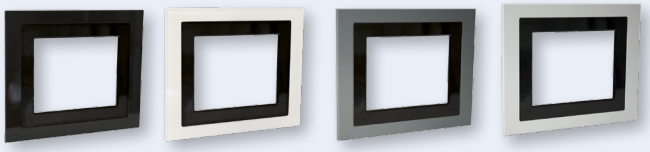
Plastic ABS Terez 32/19V0

PRODUCT INFORMATION

- Graphic-compatible TFT colour display with LED background lighting
- All important standard functions and status displays of the KNX system
- Password protection, logic module, alarm module, etc.
- Easy operation
- 110 KNX functions in the form of operator pages
- Individual symbol assignment
- Password assignment for 10 main operator pages and all configuration pages possible
- Up to 64 easy to configure scenarios
- Programmable via ETS3 and 4
- Integrated weekly switching schedule
- Occupancy simulation for holiday periods
- Logical linking of up to 60 objects
- Alarm module for the display of up to 76 objects and their events

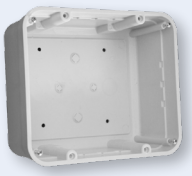
ACCESSORY (OPTIONAL)

Frames



Glass frame black | Glass frame white | Metal frame Stainless steel | Metal frame Aluminium

FM-box



Description	Colour	Part number
KNX Control Touch-Panel	white	90120
Accessory (optional)		
Metal frame Aluminium	grey	90137
Metal frame Stainless steel	grey	90138
Glass frame	white	90142
Glass frame	black	90127
FM-box	grey	90128

KNXnet/IP – The extensive protocol for remote, web server and ETS access

■ KNXnet/IP Interfaces: direct, multi-functional or web-based

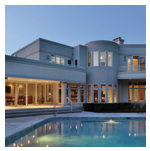

Interior lighting


Exterior lighting

LED stage lighting


Offices


Warehouses, industrial buildings


Complex buildings

Configuration of the KNX participants via Ethernet and Internet

The versatile programme of **B.E.G.** also offers KNX/IP interfaces as a programming interface from the ETS to the KNX BUS via the KNXnet/IP protocol.
The KNXnet/IP interface serves especially as a hardware interface for the connection of a KNX system with a TCP/IP network.

As a multi-functional control device, the KNXnet/IP Interface Multicontrol also has many additional functions for monitoring and controlling the KNX systems, for example, timed switches, scenarios, event triggers and logic functions.

Alternatively, the KNXnet/IP Interface Web contains an integrated web server for comfortable system visualisation, for example, with smart phones, tablet or desktop PCs.

This provides the greatest possible security for the future in the areas of visualisation, alarm management, data recording and building management.

OVERVIEW OF KNXnet/IP INTERFACES

KNXnet/IP Interface	Part. no.	Page	Sectional rail	Supply voltage	Display	Integrated web server	Size	Functions	Special functions
KNXnet/IP Interface	90125	38	■	12 - 30 VAC/DC external and BUS	–	–	4TE	BUS access via IP	–
KNXnet/IP Multicontrol Interface	90124	39	■	12 - 30 VAC/DC external and BUS	■	–	4TE	BUS access via IP	Logic functions, weekly switching schedules, etc.
KNXnet/ IP Interface Web	90126	40	■	12 - 30 VAC/DC external and BUS	–	■	4TE	BUS access via IP	Web server visualisation

KNXnet/IP Interfaces

KNXnet/IP INTERFACE

The KNXnet/IP Interface serves specially as a hardware interface for connecting a KNX system to a TCP/IP network.

The KNXnet/IP Interface is the most cost effective interface for all programming and visualization tasks.

KNXnet/IP MULTICONTROL INTERFACE

The KNXnet/IP Multicontrol Interface gateway combines the KNXnet/IP functionality and standard KNX functions such as timers, scenes, event triggers and logic functions in one device.

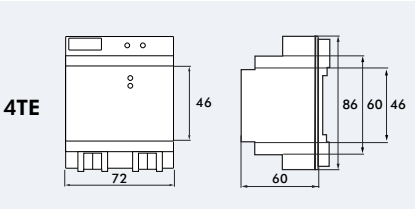
A KNXnet/IP server connection allows a KNX system to be visualized besides an active KNXnet/IP tunnel connection. A gateway that leaves all wishes fulfilled.

KNXnet/IP INTERFACE WEB

The KNXnet/IP Interface Web serves as a hardware interface for connecting a KNX system to a TCP/IP network and is equipped with a web server.

Websites can be called up from this web server via the TCP/IP network, so as to display KNX statuses or switch events. The convenient way to visualize your systems also with PDA (Smartphone).

LUXOMAT® KNXnet/IP Interface



FUNCTIONAL OVERVIEW

Function	
Primary functions	✓
Visualisation	
Database and alarm history	
Scenes	
Weekly time switching plan	
Annual time switching plan	
Logic	

TECHNICAL DATA

External and via KNX BUS, SELV 12-30 V AC/DC

LED red when displaying normal/addressing mode

PWR-LED green when displaying operational readiness (blinks when operating normally)

ERR-LED red when displaying error conditions

Learn key for switching normal/addressing mode

IP20 / Class I

4 TE
L 72 x W 60 x H 86 mm

Operation
0°C to +45°C

Storage
-25°C to +70°C

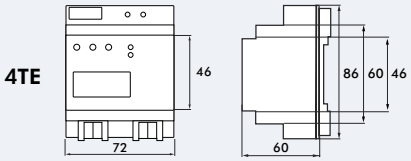
Plastic LEXAN UL-94-V0

PRODUCT INFORMATION

- Affordable programming of a KNX system via LAN.
- Programming interfaces from the ETS to the KNX BUS
- Scan function (ETS3 and 4)
- KNXnet/IP-secured tunnel connection
- 4TE plastic top-hat rail housing
- Programmable via ETS3 and 4
- Connection: 12-30 V AC/DC, network and KNX

Description	Colour	Part number
KNXnet/IP Interface	white	90125

LUXOMAT® KNXnet/IP Multicontrol Interface



FUNCTIONAL OVERVIEW

Function	
Primary functions	✓
Visualisation	✓
Database and alarm history	✓
Scenes	✓
Weekly time switching plan	✓
Annual time switching plan	✓
Logic	✓

TECHNICAL DATA

External and via KNX BUS, SELV 12-30 V AC/DC

LED red when displaying normal/addressing mode

PWR-LED green when displaying operational readiness (blinks when operating normally)

ERR-LED red when displaying error conditions

Learn key for switching normal/addressing mode

3 keys for device control and parameterisation

IP20 / Class I

4 TE
L 72 x W 60 x H 86 mm

Operation
0°C to +45°C

Storage
-25°C to +70°C

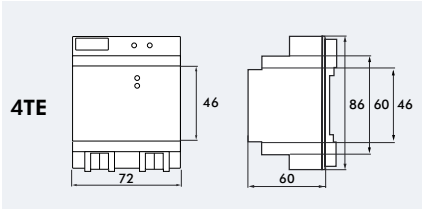
Plastic LEXAN UL-94-V0

PRODUCT INFORMATION

- Core functions for reporting, protocolling and displaying alarms and operational status on a PC in connection with visualisation software
- Special functions such as timed switching, scenarios, event triggers and logic functions in one device
- Programming interfaces from the ETS to the KNX BUS
- Scan function (ETS3 and 4)
- KNXnet/IP-secured tunnel connection
- 4TE plastic top-hat rail housing
- Programmable via ETS3 and 4
- Connection: 12-30 V AC/DC, network and KNX
- Battery-buffered KNX real time clock as timer
- Integrated application controller for timer programs
- Extensive logic functions
- Instruction lists
- Event controls

Description	Colour	Part number
KNXnet/IP Interface Multicontrol	white	90124

LUXOMAT® KNXnet/IP Interface Web



TECHNICAL DATA

External and via KNX BUS, SELV 12-30 V AC/DC

LED red when displaying normal/addressing mode

PWR-LED green when displaying operational readiness (blinks when operating normally)

ERR-LED red when displaying error conditions

Learn key for switching normal/addressing mode

IP20 / Class I

4 TE
L 72 x W 60 x H 86 mm

Operation
0°C to +45°C

Storage
-25°C to +70°C

Plastic LEXAN UL-94-V0

PRODUCT INFORMATION

- Websites can be called up from the integrated web server via the TCP/IP network in order to switch KNX statuses or events.
- Controllable via Smartphone or PDA
- Programming interfaces from the ETS to the KNX BUS
- Scan function (ETS3 and 4)
- KNXnet/IP-secured tunnel connection
- 4TE plastic top-hat rail housing
- Programmable via ETS3 and 4
- Connection: 12-30 V AC/DC, network and KNX
- Pre-installed visualisation software
- Integrated web server

FUNCTIONAL OVERVIEW

Function	
Primary functions	✓
Visualisation	✓
Database and alarm history	
Scenes	
Weekly time switching plan	
Annual time switching plan	
Logic	

Description	Colour	Part number
KNXnet/IP Interface Web	white	90126

Part no.	Description	Prod. gr.	Page
32697	Blinds for RC-plus next	06	16
32700	Blinds for PD2, PD4-SM	06	16
32701	Blinds for PD4-FC/-FM	06	16
32702	Blinds for PD9	06	16
33233	Blinds for Indoor 180	06	16
90120	KNX Control Touch-Panel	20	35
90121	DALI/KNX Gateway 1	20	30
90122	DALI/KNX Gateway 2 IP	20	31
90123	DALI-Programming Tool	20	30
90124	KNXnet/IP Interface	20	39
90125	KNXnet/IP Multicontrol Interface	20	38
90126	KNXnet/IP Interface Web	20	40
90127	Glass frame black	20	35
90128	FM-box	20	35
90130	KNX sensor interface, 2x	20	32
90131	KNX sensor interface, 4x	20	32
90137	Metal frame Aluminium	20	35
90138	Metal frame Stainless steel	20	35
90142	Glass frame white	20	35
90180	KNX CD-4C	20	27
90190	KNX SBA-4C-230 V	20	25
90191	KNX SBA-4C-24 V	20	26
90192	KNX SBA-8C-230 V	20	25
90200	KNX SA-8C-230 V	20	22
90201	KNX SA-16C-230 V	20	22
90209	KNX SA-8C-230 V-CL	20	23
90210	KNX SA-8C-EM	20	24
90211	KNX PS-160 mA	20	19
90212	KNX PS-640 mA	20	19
92139	Covering IP54, pure white	06	15
92141	SM-Socket for Indoor 180	06	15
92161	Socket IP54 for PD2-SM, PD4-GH	06	10
92199	Wire basket BSK	06	10
92235	Cover ring for PD9, anthracite	06	13
92237	Cover ring for PD9, silver	06	13
92238	Cover ring for PD9, white	06	13
92375	SM-Socket IP65 for PD4-SM (IP20)	06	10
92430	PD2-DIM-KNX/EIB-SM	18	9
92431	PD2-DIM-KNX/EIB-FC	18	9
92432	PD2-DIM-KNX/EIB-FM	18	9
92433	PD4-DIM-KNX/EIB-SM	18	10
92434	PD4-DIM-KNX/EIB-FC	18	10
92435	PD4-DIM-KNX/EIB-FM	18	10
92436	Sensor insert for Indoor 180-DIM-KNX/EIB	18	15
92437	PD9-DIM-KNX/EIB-FC, white	18	13
92438	PD9-DIM-KNX/EIB-GH-FC	18	14
92441	Wall bracket for PD4-C-SM	06	12
92454	PD4-DIM-KNX/EIB-GH-SM	18	11
92456	PD4-DIM-KNX/EIB-C-SM	18	12

Part no.	Description	Prod. gr.	Page
92459	PD4-DIM-KNX/EIB-C-FC	18	12
92461	PD4-DIM-KNX/EIB-C-FM	18	12
92467	Wire basket BSK RC-plus next	06	8
92630	Covering IP20, pure white	06	15
92631	Covering IP20, traffic white	06	15
92632	Covering IP20, cream white	06	15
92633	Covering IP20, silver	06	15
92634	Covering IP20, anthracite	06	15
97004	Corner socket for RC-plus next, white	06	8
97024	Corner socket for RC-plus next, black	06	8
97052	RC-plus next (KNX/EIB), white	18	8
97053	RC-plus next (KNX/EIB), black	18	8

NOTES

B.E.G. *operates a policy of continuous product improvement and development.*
As seen we reserve the right to change the product specifications at any time. Errors excepted.

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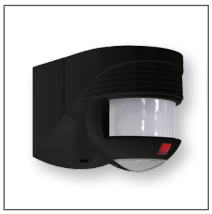
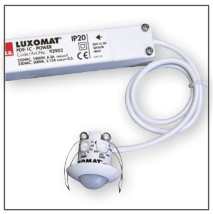
ISO 14001 Environmental management

ISO 9001 Quality management

B.E.G. ALSO OFFERS:


Motion and occupancy detectors

KNX/DALI

Lights

Floodlights

VBoxes


Time switches

Photo electric switches


SMARTHOME

LFL 7142 – 280212-2