

Description and functions

Intelligent building management systems are used to improve the quality characteristics of buildings in terms of operating costs, safety and flexibility of use. The KNX standard has a high market share among systems for building networking.

The KNX system components of LUNOS are available either as isolated solution or integration into existing systems.

By means of the LUNOS KNX components special customer requirements can be considered. For example, any settings can be made or varied on the display .

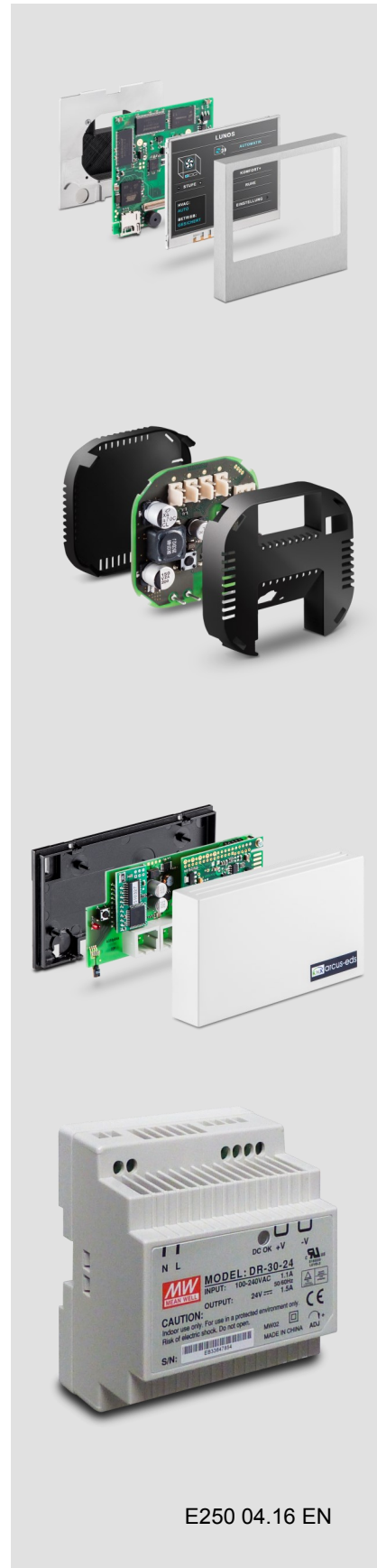
The KNX LUNOS Control4 module allows the control of the decentralised ventilation units e² and e⁹⁰ as well as the RA 15-60 exhaust air fan. Up to four e², two e⁹⁰ or one RA 15-60 can be connected to enable a coordinated operation. If required, direct control can be performed via the existing push-button inputs.

The measuring system of the KNX climate sensor determines the carbon dioxide value measured by the CO₂ sensor as well as the room climate including the values of temperature and humidity. Dew

point temperature and absolute humidity are calculated from these measured values.

The 3.5" TFT colour display with touch screen is used for visualisation and control in the KNX bus. The display has a resolution of 320 x 240 pixels with 256K colours (RGB). A 32-bit ARM processor with a clock frequency of 200 MHz is the centrepiece. It is equipped with a Linux operating system and has a mini USB port and a micro-SD slot for data storage.

In addition to controlling the LUNOS KNX-capable fans, you can also select a large range of additional functions: switching and dimming, RGB control, switching on and off various devices, displaying statuses, alarm functions, password protection and control elements, etc.



Technical data

KNX Display

Operating system	Linux
Processor	32-Bit ARM-CPU 200 MHz
Power supply	24-32 V DC
Connections	Mini-USB Port Micro-SD Slot
Protection type	IP20

KNX Control4

Power consumption	120 mW (at 24 V DC)
Protection type	IP20

Note

Products and illustrations may vary slightly.
Due to continuous product development and/or several suppliers e.g. for raw materials, colours, among other things, may vary slightly or be shown differently in brochures.

Accessories

Product data

Brand	LUNOS
Type	KNX display
Order No.	039 976
Type	KNX Control4
Order No.	039 977
Type	KNX sensor
Order No.	039 978
Type	KNX power supp-
lyOrder No.	039 989
Type	KNX air regulator
Order No.	039 987
Type	KNX USB interface
Order No.	039 988

Manufacturer's warranty: 2 years

E250 04.16 EN

Editing status: April 2016