

A man and a woman are standing in a modern office, looking at a large sheet of paper together. The woman is on the left, wearing a brown blouse and dark pants, and is pointing at the paper with a blue pen. The man is on the right, wearing a green button-down shirt and dark pants, and is holding the paper. They are both smiling and appear to be in a collaborative discussion. In the foreground, there is a round white table with a laptop, a pair of glasses, and some small electronic components. The background shows office desks, chairs, and large windows with a view of a city.

SpaceLogic KNX

Home and building
automation solutions

2025-04



Discover KNX

A leading home and building automation system

The trend towards comfort and flexibility in managing lighting, shutters, heating or cooling in both residential and commercial spaces is on the rise, accompanied by a growing concern for energy efficiency. As a result, automation has become a necessary element for creating a comfortable, sustainable, and secure environment in which people can live and work.

To achieve the ultimate level of convenience, safety, and energy efficiency, intelligent control and monitoring of all the products involved is required – this is where KNX comes in.

KNX is an open protocol that eliminates the issues posed by isolated devices by ensuring that all components communicate through one common language. It no longer matters which devices you wish to use. Whether you need to control lighting, shutters, security systems, energy management, heating, ventilation, air-conditioning systems, signaling and monitoring systems, interfaces to service and building control systems, remote control, audio and video control, all these functions can work through a uniform system known as the principle of interworking. This makes home and building control easy, thanks to KNX.

For over thirty years, KNX has been a global, open standard on the market. With more than 500 members and over 8,000 certified products, KNX represents a future-proof, secure and reliable automation solution for smart homes and buildings.

KNX allows for efficient energy use, a secure environment, and convenient living and working spaces that adapt to individual preferences and lifestyles. KNX is the way forward for those who value convenience, sustainability, and safety in their homes and offices.



30 Years
500 Manufacturers
8.000 Certified Products
One Standard – Worldwide



1
worldwide
standard



Operating as a global
standard for over
30 years



500+
members



8000+
certified
products

SpaceLogic KNX – Empowering connected spaces

The history of Schneider Electric and KNX started in 2006 when Merten - a founding member of KNX - was incorporated. Years of experience and innovative developments have characterized Schneider Electric's KNX product portfolio ever since.

In addition to the need for comfort and flexibility, rising energy prices are playing an increasingly important role. Energy monitoring and intelligent energy management are of crucial importance for residents and operators of buildings. This is where Schneider Electric comes into play with its extensive experience as an energy specialist. As a partner for sustainability, digitization and efficiency, we drive digital transformation by integrating world-leading process and energy technologies that connect products, controls, software and services across the entire lifecycle and enable integrated management for smart homes and commercial buildings.

For our partners, SpaceLogic KNX means their customers get advanced technology that enhances safety, comfort, simplicity, and profitability. The solutions are easy to install and set up. Additionally, for residential projects, customers enjoy a personalized, complete smart home system that is flexible and easy to operate.

Partners/professionals

- Smart building features that go beyond energy efficiency
- Easy to design, configure, and commission
- Simple installation
- Suitable for a variety of buildings from large office complexes to residential

End users

- Future-ready solutions that are easy to operate
- Upgradability with regular software and firmware updates
- Scalability with the ability to connect each future installation through SpaceLogic KNX

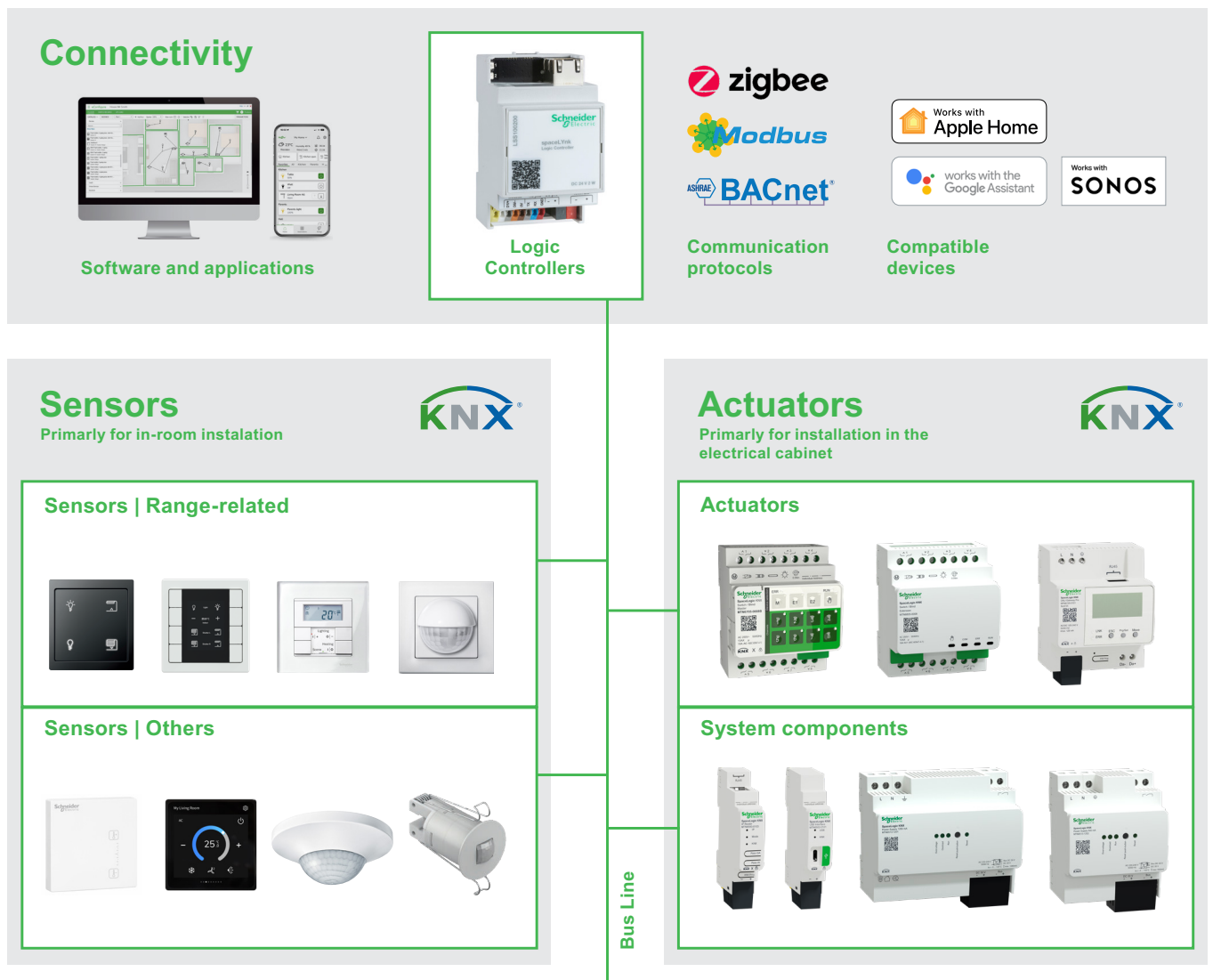


A complete KNX System

SpaceLogic KNX consists of a range of products and solutions to create one comprehensive system.

- **Sensors** – the eyes and ears of the system, collecting information for the system to feed to the actuators,
- **Actuators** – the brains of the KNX system, SpaceLogic KNX actuators turn data into actions,
- **System components** – feeds the right level of power to devices connected to the system,
- **Connectivity** – with EcoStruxure™ Building solutions for remote control and monitoring, and integration with third-party systems.

SpaceLogic KNX system architecture





Our solutions for homes and buildings

SpaceLogic KNX from Schneider Electric provides interoperable, modular, future-ready solutions. Flexible SpaceLogic KNX system gives our customers everything they are looking for, responding to real estate developers, building operators, tenants and home owners' needs and demands.

Home automation with SpaceLogic KNX

SpaceLogic KNX is not only a state-of-the-art home automation solution that enables controlling and managing any space, but also emphasizes energy efficiency. For example, it can manage EV electric car charges through smart load management to help reduce energy costs.

The Wiser KNX app allows to manage all KNX functions, like energy, heating and cooling, safety, lighting, and shutters, directly from a smartphone. With its intuitive and clear design, it brings the smart home experience to the fullest.

It also adds interoperability on top of its connectivity, letting users integrate products from third-party and other protocols as well as non-KNX products and systems such as Sonos, Apple, Amazon, and Google voice assistant, and many, many more.



Building automation with KNX

SpaceLogic KNX can be scaled to fit the needs of commercial buildings from small to large size. It offers solutions that can be tailored to the specific needs of the building, providing efficient control, monitoring, and automation of different systems.

Seamlessly integrated with EcoStruxure, our IoT-enabled, plug-and-play, open, interoperable architecture and platform, it can bring additional functionalities for all kinds of projects, from healthcare to retail, including:

- Greater convenience through automated, managed, and remotely-controlled functions.
- Integrated services like critical equipment monitoring and fault alarms that help avoid unplanned maintenance, costly downtime, and reputational risk.
- Predictive maintenance to help ensure maximum uptime and protect people and property.



Simplicity across the whole lifecycle

The SpaceLogic KNX range features powerful products and software that work seamlessly together. Its simplicity allows for greater flexibility across the system, with devices that are:

Easy to manage and maintain

From the beginning, SpaceLogic KNX solutions are easy to plan, install and operate, flexible to cope with more demanding needs, and future-ready for your peace of mind, and your customers'. SpaceLogic KNX is furthermore easy to diagnose – diagnostic information is provided in the products.

More reliable

Built with a focus on quality and commitment to cybersecurity, SpaceLogic KNX helps you make your projects more reliable and future-proof.

Energy efficient

KNX helps save energy by enabling intelligent control and automation of devices in a building based on occupancy, schedules, and environmental conditions. It also allows for integration, coordination, and monitoring of energy-consuming systems, optimizing their usage for maximum efficiency.

Backed by expert support

SpaceLogic KNX solutions benefit from Schneider Electric's extensive support system. You get access to experienced experts through the call center and expanded knowledge via online training programs.

Simplicity



Delivering KNX solutions has never been easier

When we develop products and solutions, our customers and partners are our top priority. Our focus lies in creating products that are effortlessly planned, configured, and installed. With the support of software, tools, and apps for integrators, partners, and end customers, SpaceLogic KNX presents a comprehensive and meticulously designed portfolio for all KNX installations. Our flexible solutions and modular products streamline the planning process and simplify commissioning. Furthermore, SpaceLogic KNX seamlessly integrates into other automation systems or building management systems. Our KNX solutions evolve alongside our customers' needs, allowing for easy expansion and adaptation to new requirements with minimal time and financial investment.

KNX is:

- Easy to specify, install, put into operation and maintain.
- Flexible and open.
- Future-proof and expandable.
- Secure certified.



Reliability

KNX Secure

In today's digital world, no communication technology is immune to hackers, and this includes home and building automation systems. Without proper protection, these systems can become a weak link in any installation. That's why KNX Association has taken strong measures to ensure the security of its systems, including the implementation of KNX Secure.

With KNX, you can rest assured that your home or building automation is secure. Our technology adheres to all necessary security regulations and standards:

- Standardized according to EN 50090-3-4 – which means, that KNX successfully blocks hacker attacks on the digital infrastructure of networked buildings.
- ISO 18033-3, utilizing AES 128 CCM encryption - the highest encryption standards to effectively prevent attacks on the digital infrastructure of buildings and to achieve the highest level of data protection.

KNX Secure offers double protection to guarantee maximum security

KNX IP Secure: the IP protocol is extended to encrypt all transferred telegrams and data, providing an additional layer of defense.

KNX Data Secure: safeguards user data from unauthorized access and manipulation through encryption and authentication.

With KNX Secure, our customers can confidently embrace the potential of smart building automation, knowing that their system is fortified against cyber threats. Protecting the digital infrastructure and ensuring the highest level of data security is our priority. That's why we are implementing step by step KNX Secure in all our KNX products.

Efficiency



Manage energy

KNX helps in saving energy through its various features and capabilities.

Intelligent control

KNX allows for intelligent control of devices and systems in a building. It enables automation and optimization of energy-consuming processes, such as lighting, heating, ventilation, and air conditioning (HVAC), based on factors like occupancy, time schedules, and environmental conditions. This ensures that energy is used efficiently and only when needed.

Energy monitoring and analysis

KNX supports energy monitoring and analysis by providing real-time data on energy usage. This data can be collected and analyzed to identify patterns, trends, and areas of high energy consumption. With this information, building managers can make informed decisions to optimize energy usage and identify opportunities for energy savings.

Future-proof and flexible

KNX is flexible and scalable, allowing for easy adaptation and expansion of the automation system. As energy-saving technologies evolve, new devices and systems can be integrated into the KNX network, ensuring that the building stays up-to-date with the latest energy-efficient solutions.



Support

A proven solution from a trusted partner

Schneider Electric provides a complete range of KNX solutions, designed to work seamlessly together with the added benefits of simplicity, flexibility, and reliability.

Experience

Schneider Electric has been developing KNX products for 30 years, setting a solid foundation for the latest innovative technology. Through the decades, we have kept a close eye on how customers' needs have evolved - and we have evolved our portfolio to keep up.

Recognized leadership

Schneider Electric has a strong commitment to innovation, sustainability, and digital transformation. Our comprehensive range of energy management and automation solutions caters to diverse customer needs, providing efficiency, reliability, and sustainability. Additionally, we focus on developing eco-friendly technologies and social responsibility making us one of the most sustainable companies across the world.

Support

Schneider Electric has an extensive team of experts waiting to answer any questions you may have via the Schneider Customer Care Centre. Numerous training courses are available to our customers.



Our SpaceLogic KNX offer

Schneider Electric's KNX offer includes a comprehensive range of products and solutions designed to enable efficient and sustainable building automation. With a wide selection of KNX compatible devices, intuitive programming tools, and advanced management software, our KNX offer empowers users to create smart, energy-efficient buildings with seamless integration and control over lighting, HVAC, security, and more.

All the devices for a KNX installation are connected together by a bus, thus allowing them to exchange data. The function of the individual bus devices is determined by their project planning, which can be changed and adapted at any time.

Comprising sensors, actuators, system devices, apps, and software, SpaceLogic KNX provides scalable solutions for both residential and commercial spaces. Schneider Electric offers tailored solutions for every application. Through Wiser for KNX, the KNX Hybrid solution and the Wiser KNX app, homeowners can access smart solutions for enhanced comfort, security, and energy efficiency. Additionally, our spacelynk, BMS IP Gateway, and DALI Gateway facilitate seamless integration of building automation systems in small, midsize, and complex ecostructure architectures.

Actuators

They receive data which are then converted into actions. This can include controlling blinds, dimming lights or controlling heating and air conditioning systems.



Switch / Blind Master



Switch / Blind Extension



Dimmer Master



Dimmer Extension



KNX Heating Actuator

System devices and components

They are needed for the fundamental functioning of the system. They consist of power supply units for generating bus voltage, couplers for connecting bus segments and interfaces for connecting programming devices.



Wiser for KNX Logic Controller



spaceLYnk Logic Controller



Power Supply



KNX BMS IP Gateway



KNX Hybrid Module



KNX IP Router

Sensors

These are the starting point for every action, because they gather information and send it on the bus as a data telegram. This can be information about room temperatures, movements, wind measurements or manually input instructions.



KNX Push-button Dynamic Labeling



KNX 4" Touch Unit



Movement Detector



Room Temperature Control Unit

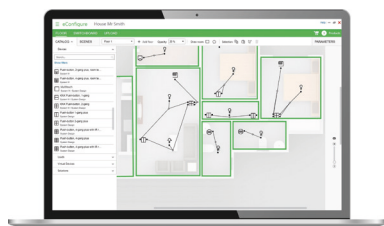


Presence detector

Software and apps



Wiser KNX App



eConfigure KNX



SpaceLogic actuators

SpaceLogic KNX actuators bring modularity and user-friendliness to KNX projects and systems. The SpaceLogic KNX actuators are easy to select, configure, and commission, saving our partners time and money in planning, installation, and maintenance.

Schneider Electric's SpaceLogic KNX actuators are quickly adaptable using a master/extension concept and scalable to changing project requirements without affecting the KNX topology itself. These devices bring greater reliability to smart building systems.



Planning:

- Universal functions
- Uniform sizes simplify planning
- Compact size: 1 x Master + 2 x Extension >> 12 TE with up to 24 channels
- Simplified offer, less commercial references



Installation:

- Modular concept of Master and Extension
- Tool-free installation
- Intuitive and fast



Operation:

- Less space needed
- Less energy consumption



Maintenance:

- Simple firmware update
- Extensions can be replaced without ETS programming
- KNX Secure
- Diagnostic information about product via KNX

Master - Extension concept

The flexible and time-saving modular concept of the new SpaceLogic KNX switch, blind, and dimming actuators from Schneider Electric will convince you.

Each master device can control up to 2 extensions. These are simply placed next to the master or offset on the DIN rail and connected without tools via the connection module. The addressing of the extensions is done automatically in the master. Therefore, all 3 devices are programmed exclusively in the ETS application of the master.

The masters not only control the extensions but also supply them with power. Further time-consuming wiring is no longer necessary here as well. When a master is connected to one or two extensions, a compatibility check is automatically performed. If all compatibility points are met, the master then loads the application onto the extension.

Master Extension combinations

SpaceLogic KNX Switch / Blinds

1 x SpaceLogic KNX Switch / Blind Master
2 x SpaceLogic KNX Switch / Blind extension

Connection via KNX cable

- Tool-free
- Firmware updates and diagnostics
- QR code for technical information

SpaceLogic KNX Dimmer

1 x SpaceLogic KNX Dimmer Master
2 x SpaceLogic KNX Dimmer Extension or 2 x SpaceLogic KNX Switch / Blind Extension

Connection module or cable

- Connects Master and Extension
- Tool-free, plug and play



Master
Incl. 8 switch / 4 blind
channels

Extension
Plus 8 switch / 4 blind
channels

Extension
Plus 8 switch / 4 blind
channels

Total
24 switch / 12 blind
channels



Wiser for KNX

Wiser for KNX provides a user-friendly interface and intuitive programming tools, making it easy for customers to manage and control their building systems. It offers a wide range of features and functionalities, including lighting control, HVAC control, shading control, energy monitoring, and more.

With Wiser for KNX, customers can create personalized automation scenarios, set schedules, and adjust settings according to their preferences. The system also supports remote access, allowing users to monitor and control their building systems from anywhere via a mobile app or web portal. Wiser for KNX is designed to optimize energy efficiency, improve occupant comfort, and enhance overall building performance. It offers seamless integration with other Schneider Electric products and systems, enabling customers to build a comprehensive, scalable, and future-proof building automation solution.



- IP connection for communication in BACnet server 150 points, modbus, KNX, and Web services. It also grants access to the Web server to configure and display the graphical user interface
- USB port
- RS485 connection to link with any Modbus device
- KNX connection for communication with KNX
- RS232 connection for Hybrid module to extend / enrich by Zigbee devices

One controller, many options

Wiser for KNX unlocks a comprehensive solution, delivering limitless flexibility, simplicity, and efficiency. This versatile system can be implemented in various ways, allowing for tailored and seamless integration.

Gateway

As a gateway, Wiser for KNX enables the communication and integration of various products and functions for building control such as light, blinds and heating

Monitoring

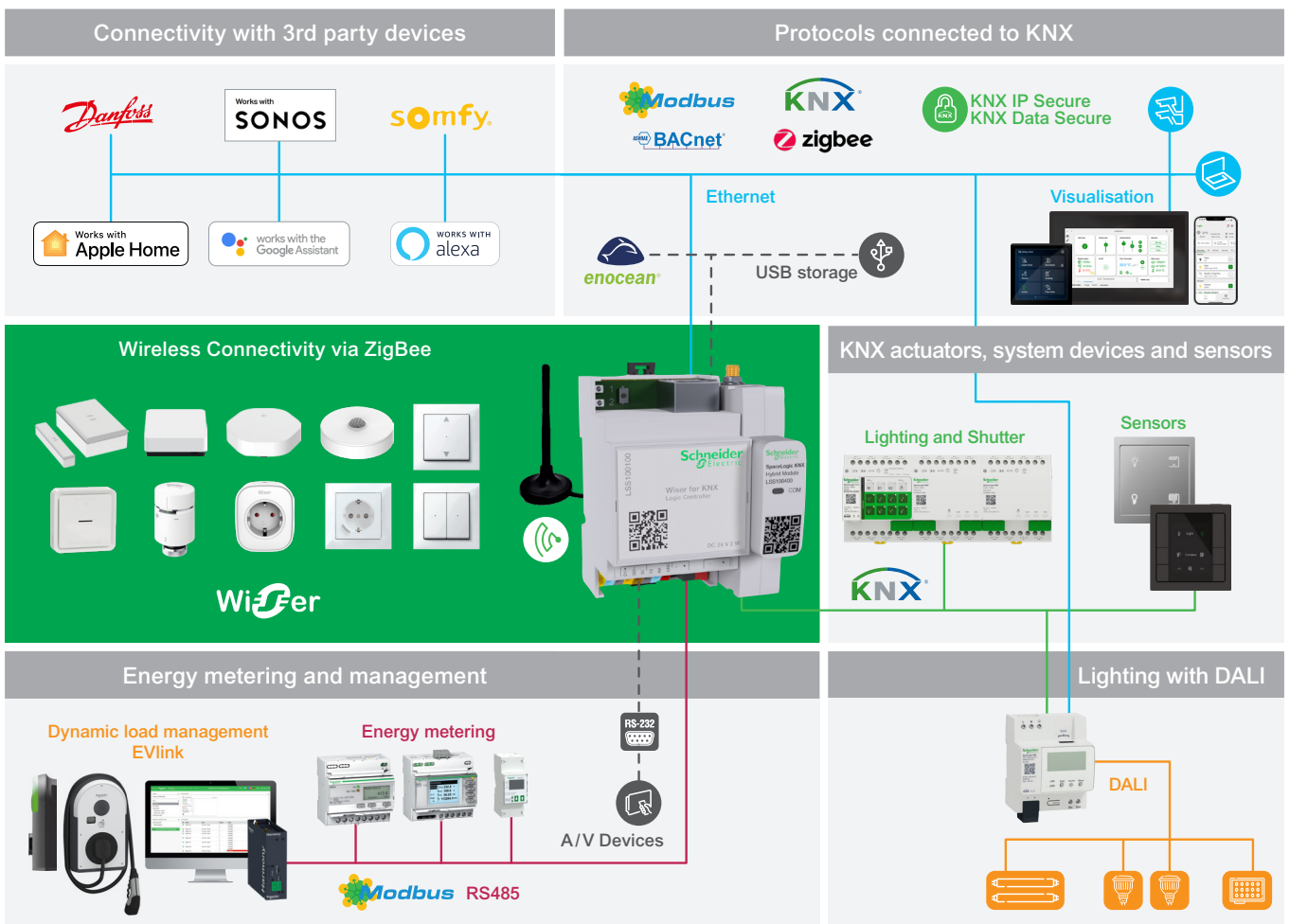
Wiser for KNX can display gas, water and electricity readings and monitors consumption on a daily, monthly and annual basis. It stores and analyzes data and can therefore determine energy saving potential and increase the energy efficiency of a building.

User interface

As a user interface - based on a web server application - all functions can be controlled and displayed on local and mobile devices such as tablets or smartphones

Event controller

Wiser for KNX can also serve as an event controller, sending a notification/message in the event of an error or failure.





KNX Hybrid solution

Upgrade KNX installations effortlessly, without the need to replace existing cables. Whether renovation or building a new house, futureproofing the home has never been easier with the innovative SpaceLogicKNX Hybrid solution.

With the introduction of the KNX Hybrid module, Schneider Electric's Wiser wireless products can seamlessly be integrated into the Wiser for KNX or spaceLYnk controllers. This integration allows to expand the capabilities of KNX installation and unlock a whole new level of functionality.

The SpaceLogicKNX Hybrid solution provides a convenient and cost-effective way to enhance home automation system. By combining the power of wired KNX technology with the flexibility of wireless connectivity, areas that were previously difficult to reach can be controlled.



The best of both worlds

The Hybrid solution unlocks a world of endless possibilities for living or working space. With this innovative solution, customers enjoy unparalleled comfort, remarkable energy efficiency, and a truly intelligent environment. Whether they prefer the reliability and flexibility of KNX or the wireless convenience of Wiser, our hybrid solution offers the perfect synergy, bringing together the strengths of both technologies. Say goodbye to limitations and embrace a new era of smart buildings!

SpaceLogic KNX



Wiser



Easy installation

The KNX Hybrid module is installed in the cabinet and can be connected with the Wiser for KNX and the spaceLYnk controller. It comes with the connection cable and an external antenna, that is placed outside the cabinet to provide the best connection / signal.

Now you can connect Wiser components to the KNX system.

They are detected and added automatically to the Wiser for KNX.

The configuration can be done via plugin which is available on marketplace or via eConfigure KNX.

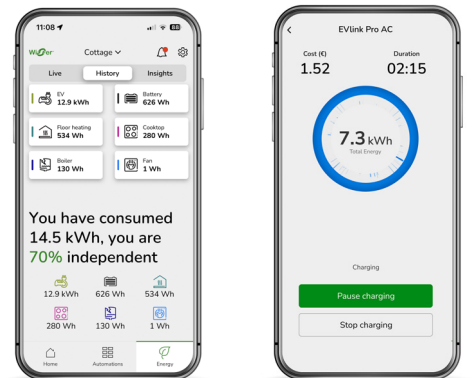
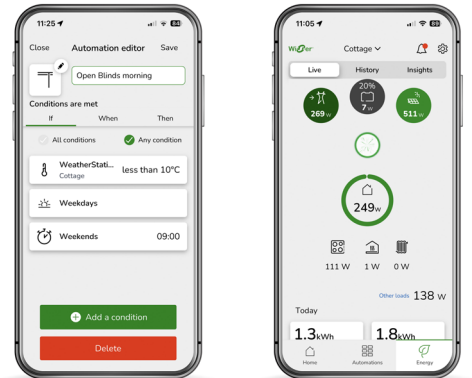
Wiser KNX App

Operating the KNX Smart Home manually, automatically or via voice control?
Managing the home in a more convenient and personalized way?
The new Wiser KNX app addresses the needs of our customers and takes the smart home experience to a new level.

All-in-one app

The Wiser KNX app allows to manage all KNX functions, like energy, heating and cooling, safety, lighting, and shutters, directly from the smartphone:

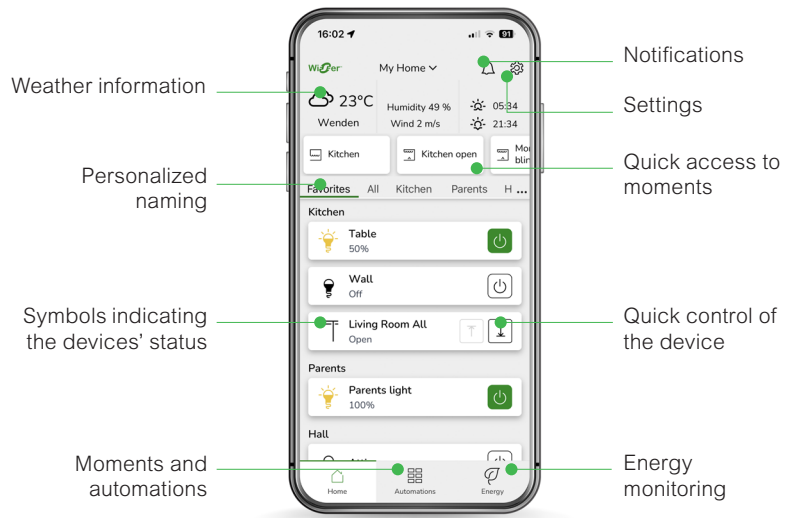
- Lights, blinds, heating, cooling, etc.
- Advanced schedules
- Moments (scenes) and automations
- Energy awareness
- EV support
- Device's notifications
- Home Management (multi-site)



Intuitive user interface

The Wiser KNX app brings the smart home experience to the fullest thanks to its simple, clear and intuitive design. It provides a clearly structured overview of all rooms, devices and moments. The app delivers the flexibility to control all KNX devices, create schedules, moments or automations. All is fully aligned with personal needs and customized.

- All important functions in one view
- Bold symbols
- Clear layout
- Individual, personalized naming
- Quick access to your other homes



Maximize comfort

Personalized “Moments” for all kinds of scenarios and situations can be created in any home. A “Moment” enables to set a specific scene – for example a “Movie Moment” can dim the lights and close the shutters. Moments can be activated manually, or through an automation.

Reduce energy bills

With energy costs on the rise, knowing how is used is key to optimizing energy bills. The Wiser KNX app provides real-time information on electricity consumption and equipment status helping to maximize savings.

Peace of mind

The Wiser KNX app notifies of abnormal events such as high humidity, smoke, water leakage, unexpected motion, or unusually high energy use, so actions can be taken before the events turn into costly emergencies.

Flexible and future-proof

No need to worry changing needs. Moments or schedulers can be easily adapted. New devices, such as Wiser free located switches or can be added with the Hybrid module.



spaceLYnk

spaceLYnk is the key to a complete building management solution in small and medium-sized buildings as well as in large buildings. The spaceLYnk serves multiple functions for building control, consumption and energy monitoring, or as a logic module and event controller. As a gateway, the device enables communication between various building management protocols, ensuring the easy integration of a wide range of products and functions. All functions can be displayed and controlled through the user interface, locally and on mobile devices. Gas, electricity, and water measurements are clearly displayed and monitored on a daily, monthly, or yearly basis. The spaceLYnk stores and analyzes all data, identifying possible energy-saving potentials and thus contributing to more energy efficiency in the building.

A multitude of options

spaceLYnk is the key to provide a complete solution, delivering unlimited flexibility, simplicity and efficiency. spaceLYnk can be used in several ways.



Flexibility

spaceLYnk connects different home automation systems

Gateway

As gateway, it allows communication and interoperation of different building control products and functions like lighting, blinds and heating. Thanks to this function, KNX lighting management can be simply integrated into the central BMS.

User interface

As user interface – based on a web server application – all functions can be controlled and be displayed on local and mobile devices such as tablet PCs or smartphones.

Memory function

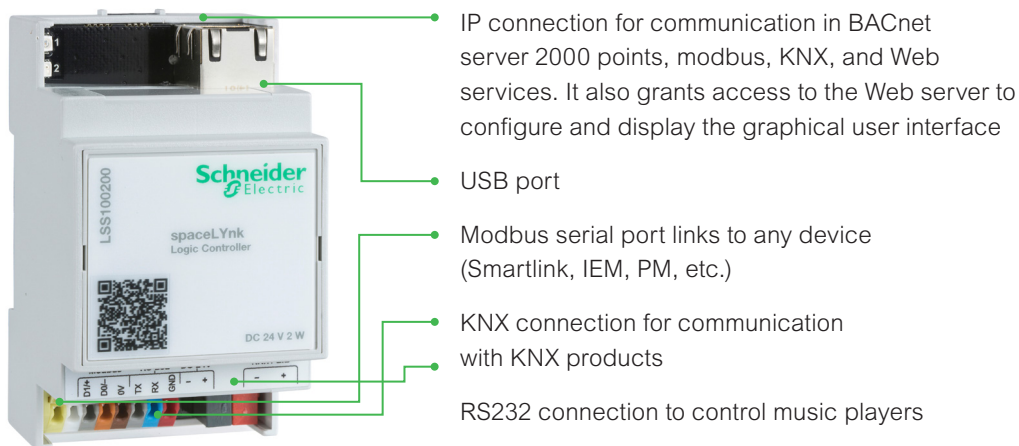
spaceLYnk is able to display measurement of gas, water and electricity and monitors the consumption on a daily, monthly and yearly basis. It stores and analyses data; this allows to identify energy-saving potentials, thus in creating the Energy Efficiency of a building.

Logic controller

Advanced logic functions are possible in order to optimize energy efficiency and comfort.

Event controller

And finally as an event controller, which sends a notification/message in case of any failure or issue.



Connect KNX with the IoT

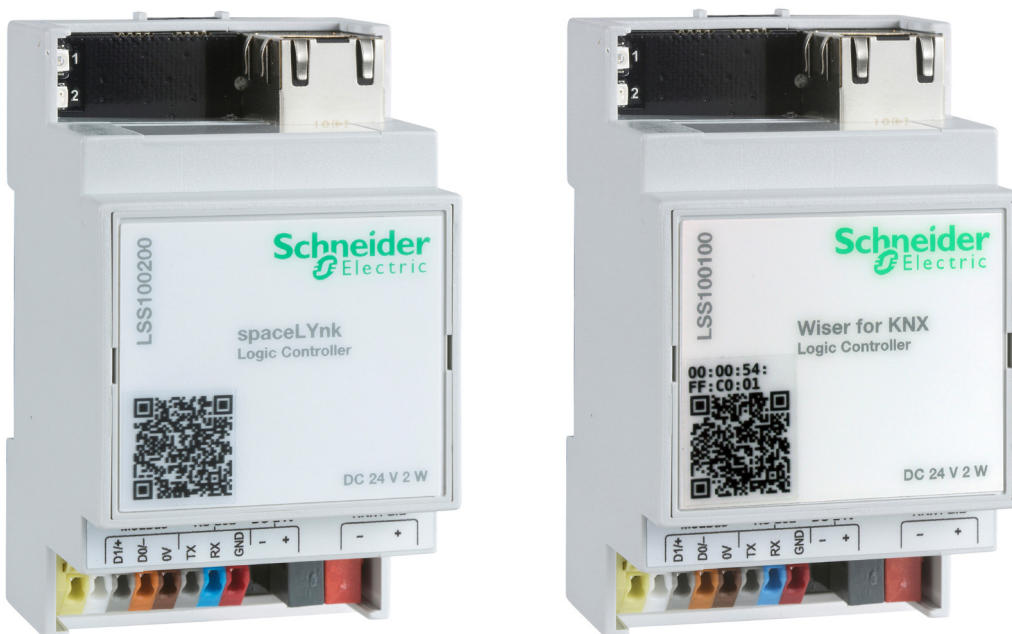
Interoperability has always been part of the DNA of KNX-based solutions. With the multitude of new home and building automation solutions and widespread use of the IoT, new ways of interaction are needed.

The SpaceLogic KNX IoT 3rd Party API from Schneider Electric allows the integration of third-party applications and systems into the SpaceLogic KNX IoT system. This API enables developers to create custom applications that access the functions and data of the SpaceLogic KNX IoT system, expanding its functionality and enabling seamless integration with other IoT platforms and solutions.

The Wisier for KNX and spaceLYnk controllers are the gateways between the KNX Installation and the IoT world. Schneider Electric provides 3rd party systems with a REST based API, which can be accessed through the cloud or in Local Network only. This API follows the standardized KNX IoT 3rd party API specifications defined by the KNX association. The authentication between the 3rd party system and Wisier for KNX or spaceLYnk follows the industry standard OAuth2.0.

Endless possibilities

Any company or system integrator can develop a solution to interface different systems with our SpaceLogic KNX installation; and by doing so, offer services and or an enhanced user experience for their users.



SpaceLogic KNX BMS IP Gateway

The SpaceLogic KNX BMS IP Gateway is a bidirectional multifunctional device that allows you integrate Spacelogic KNX installations within Ecostruxure Building Operation. The main communication interface is KNX TP and BACnet IP protocols.

Three functions combined in one device:

- KNX IP router (max. 4000 objects)
- KNX IP interface
- DPSU choke power supply

The Gateway allows professional installers to integrate in BMS (Building Management Systems), deploy SpaceLogic KNX installations more cost and time effectively thanks to features combination.

Configuration and commissioning is straightforward and fast thanks to embedded Application simplifying the process. The architecture can be simpler because it is no longer necessary to use additional IP routers and KNX power supplies with respect to given parameters.



Connect Emergency Lighting with KNX

Emergency Lighting provides illumination when the main power is off ensuring that occupants of a building can evacuate safely in the event of a critical situation. In Smart Buildings Emergency Lighting can be integrated into DALI networks thanks to two dedicated systems: **self-contained Exiway DALI** and **centralized Exiway Power DALI**.

Operating on a KNX-DALI architecture, both **ordinary and emergency lighting devices are connected on the same communication bus**, managed by the same controller, and linked to the KNX environment.

This setup offers advantages such as:

- reduced cabling costs
- single access point control of the entire building's lighting .

The controller of the entire DALI network (with ordinary and emergency luminaires) is spaceLYnk, on which a special application is implemented to ensure all the required functionalities. spaceLYnk controller has BACnet IP communication protocol which allows its integration into Building Automation systems.

Via Web Server or EcoStruxure it would be possible to have:



Remote
supervising



Status
report

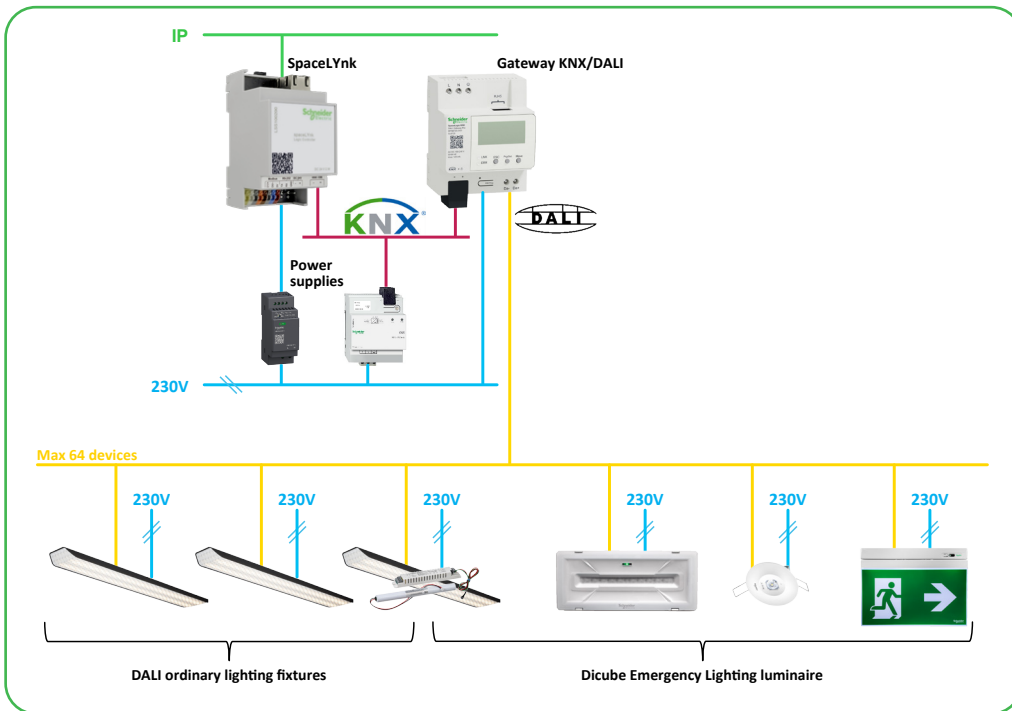


Graphic
maps

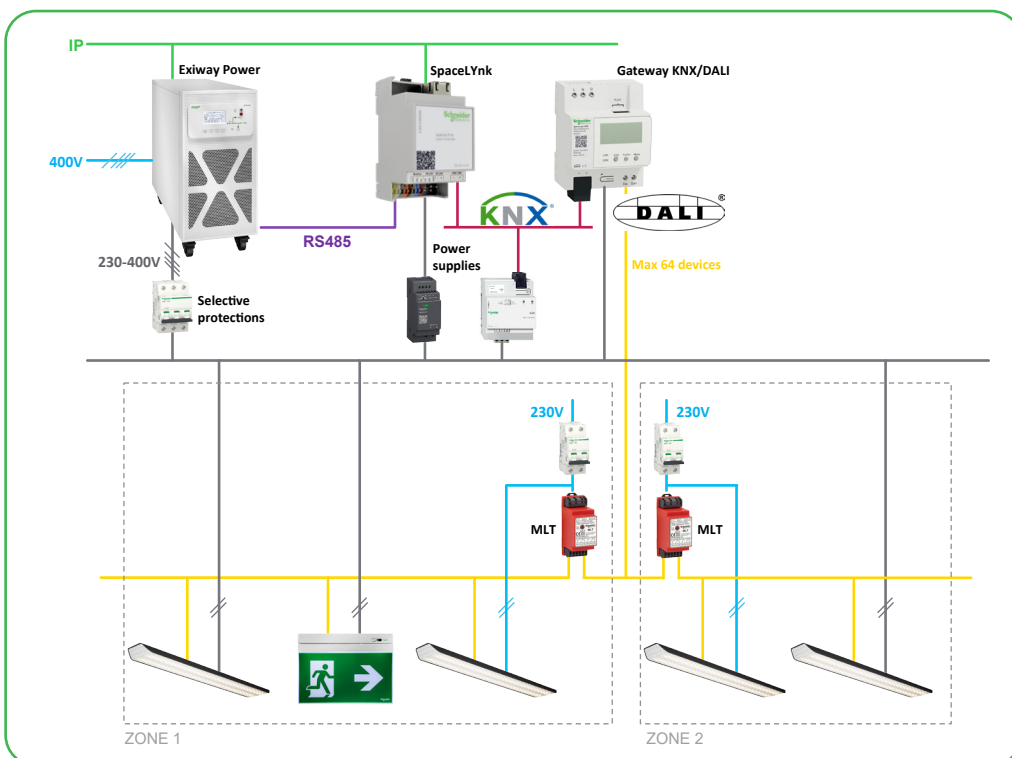


The system integrator, configuring the system, can take advantages from spaceLYnk user interface, to create to own graphic view and he can also include a map of the installation.

Self-contained and centralized DALI systems



Self-contained Exiway DALI system



Centralized Exiway Power DALI system



SpaceLogic KNX 4" Touch Unit

The innovative, frameless KNX 4" Touch Unit is the all-in-one-control device that will convince any customer. It will fit any interior and goes along with any kind of push-button designs. Its slender structure creates a modern and elegant appearance in homes, offices, and hotels. On the high-resolution display, several functions and tailored scenes can be put in place easily and intuitively.

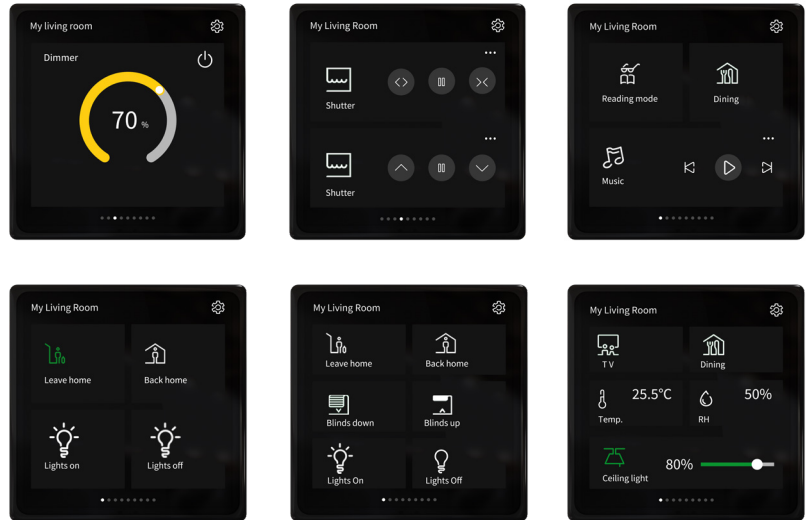
- Frameless design
- Low profile
- 4 inch LCD Touch screen (10 cm)
- High resolution display 480 x 480 px
- Intuitive operation
- Up to 6 functions on 9 screens
- Plain symbols
- Free text
- Personalized screensaver and background image
- Tailored icons / symbols



All in one control

The KNX 4" Touch Unit gives maximum freedom. You can manage one or more rooms from one is a breeze, thanks to its nine screens and up to six functions each. It is the ideal choice for the comprehensive control of all building functions in one go, and its energy monitoring can assist in finding ways to reduce energy usage:

- Switch
- Dimmer, RGB and RGBW control
- Temperature control
- Temperature set point shift
- Air Condition
- Fan coil
- Air quality
- Blinds, curtains and shutters
- Scenes
- Audio
- Monitor Energy consumption
- Time and date as screensaver



Limitless capabilities

The numerous and practical features leave nothing to be desired by the customer:

- The integrated temperature sensor send the current temperature thus allowing to regulate the underfloor heating.
- The proximity sensor activates the display without the need for touch.
- The orientation light can be switched on and used as such in night mode.
- The cleaning mode prevents unintentional activation by setting the display to inactive for a pre-set period of time.
- A stand by / night mode lowers energy consumption and prolongs the lifetime of the display.
- A locking function safeguards the device from potential damage and displays a clear symbol when it has been activated.
- An optional pin-code based device access offers added protection, such as in public spaces.
- The micro USB interface allows custom icons, backgrounds and screensavers to be uploaded.
- Three background themes can be selected several functions and tailored scenes can be put in place easily and intuitive.



KNX Push-button dynamic labeling

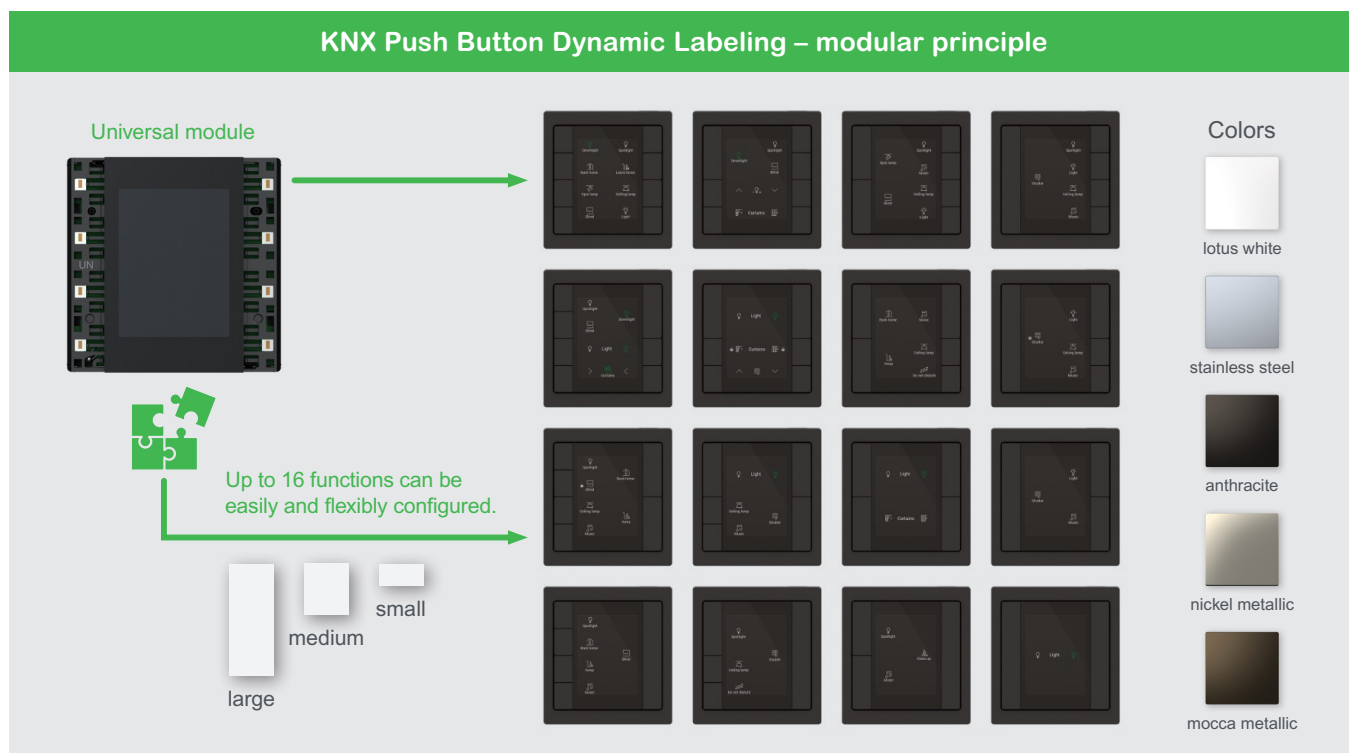
Flexibility to the core

The new KNX Push Button with dynamic labeling brings the highest flexibility and ease of use:

- Rockers are provided separately, reducing storage space and costs.
- Fast reaction on changes or late customer decisions.
- Configuration in ETS and eConfigure.
- Front programming mode allows to put the already installed device into programming mode without dismounting.
- Integrated temperature sensor with set point shift.

The new smart brick concept

Thanks to the smart modular concept of the Universal module, changes can be easily made at any time during project planning or beyond - even if the device is already installed. In total 16 different combinations are possible for maximum flexibility.





Dynamic labeling

Thanks to the dynamic display and digital labeling, no paper is needed, reducing preparation time and offering more flexibility.

- Dynamic, paper-free labeling changeable at any time
- Labeling in ETS or eConfigure
- Clear and intuitive icons
- More than 50 icons for a variety of functions in homes, hotels and offices
- Text customizable
- Free combinations of text and icons: only text, only icons, text and icons
- 5 colors can be combined within one device

System Design

The KNX Push-button with dynamic labeling comes in five appealing and modern colors of the Merten System Design switch range matching the interior trends and styles of investors, and homeowners.



D-Life lotus white



D-Life anthracite



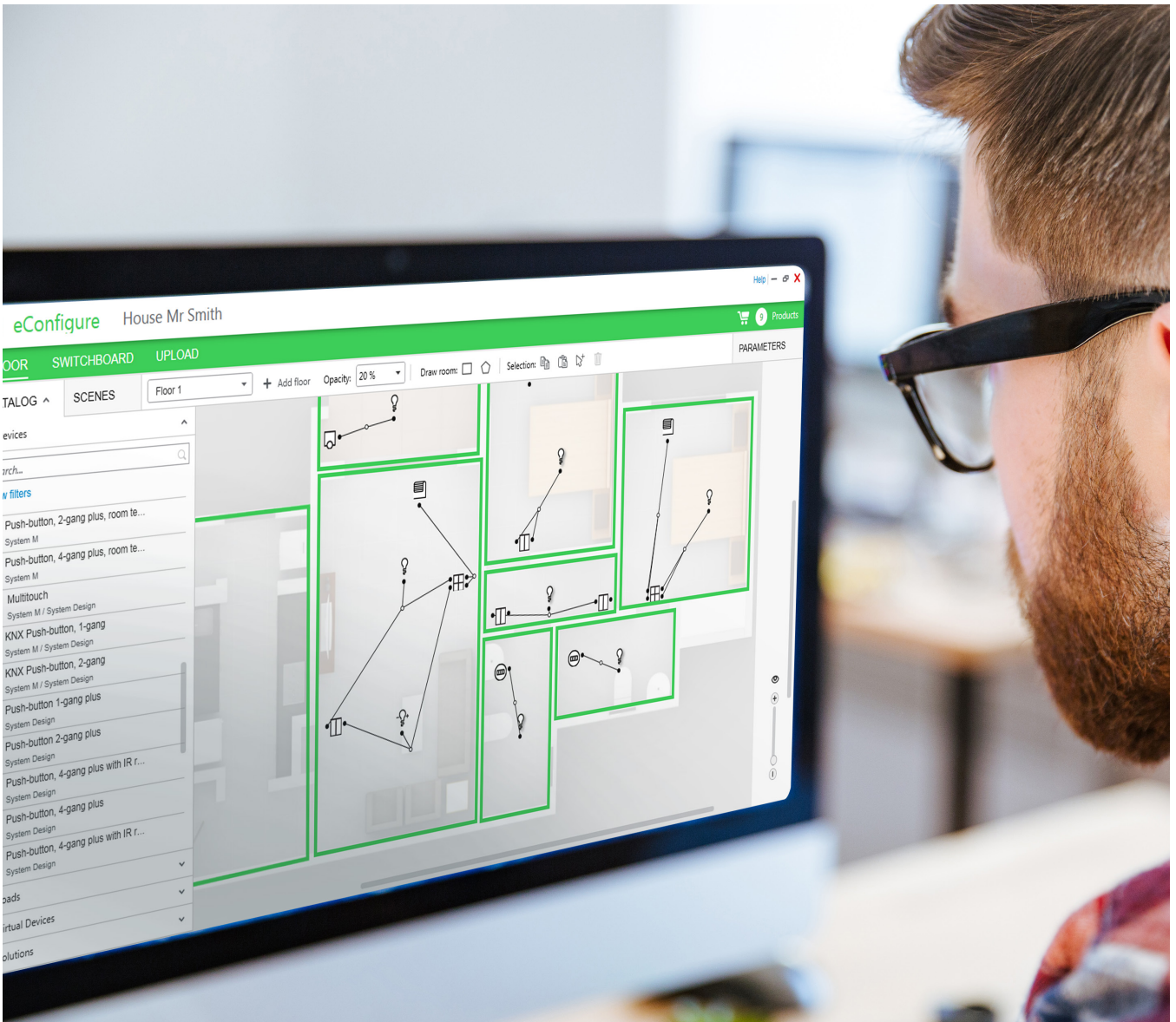
D-Life stainless steel



D-Life mocca metallic



D-Life nickel metallic



eConfigure KNX 2.0

eConfigure KNX 2.0 is the graphic design and commissioning tool for time-saving, easy-to-use and intuitive design and commissioning of home and building automations with KNX.

It gives Electricians and System Integrators the capability to design and commission automation installations for lighting, shutters, blinds, and temperature control for residential projects (villas, chalets) and small and medium commercial buildings (offices, schools, stores, restaurants, etc.)

With implementing the Hybrid solution to our SpaceLogic KNX offer, now our Zigbee protocol based Wiser products, can be also commissioned in the latest eConfigure KNX 2.0 software version.

A fast, easy to use and intuitive software

From design to installation and maintenance, eConfigure KNX 2.0 can be used easily: Click, move, drop - no programming!

Time Savings:

Own libraries of solutions can be created and reuse across projects.

Reliable:

Only products and loads that are relevant can be linked thus avoiding mistakes!

Quality:

The diagnosis page helps the partner to identify devices of the network and detects configuration inconsistencies.

Peace Of Mind:

KNX is the most used and reliable protocol in home and building automation.

Flexible:

Devices from different open protocols can be integrated: KNX, Zigbee, DALI.

Customizable:

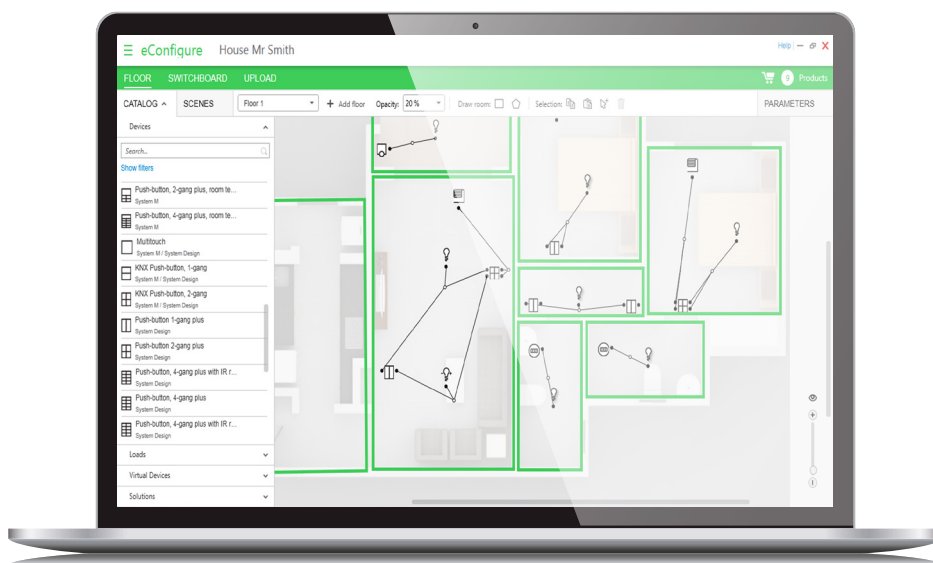
Allows partners to import floor plans and place graphically devices on it.

Efficient:

design solutions once and use them for future projects.

Simple and smart:

a professional bill of material can be generated and shared with stakeholders.



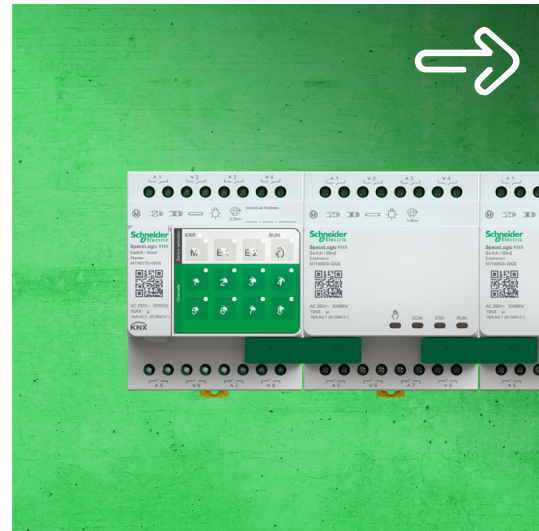
Latest launches – new offers



At Schneider Electric, we are constantly expanding our portfolio by developing new products, solutions, and innovations within the SpaceLogic KNX family.



SpaceLogic KNX Push Button Interface Basic/Pro



SpaceLogic KNX DALI Broadcast Gateway



Resi9 Energy Meter Wired



KNX Secure



SpaceLogic KNX Push Button Interface Basic/Pro

With the new KNX Push Button Interfaces, you can turn conventional switches or push buttons into KNX-compatible control devices. Additionally, windows or other auxiliary contacts can be integrated into the KNX system thanks to the interfaces.

The new Push Button Interfaces are available with 2, 4, or 8 channels, the 8-channel interface also available as a Pro variant.

All Push Button Interfaces are Data Secure and feature lighting, shading, heating, security, and energy functions. The 8-channel Push Button Interface Pro additionally offers two analog inputs for a temperature sensor, logic functions, and pulse counting. The maximum cable length is 10 meters, and for the Pro version, it is 30 meters.



KNX Secure

All new Push Button Interfaces are KNX Data Secure



Push Button Interface Basic,
2 channels
MTN6002-0002S



Push Button Interface Basic,
4 channels
MTN6002-0004S

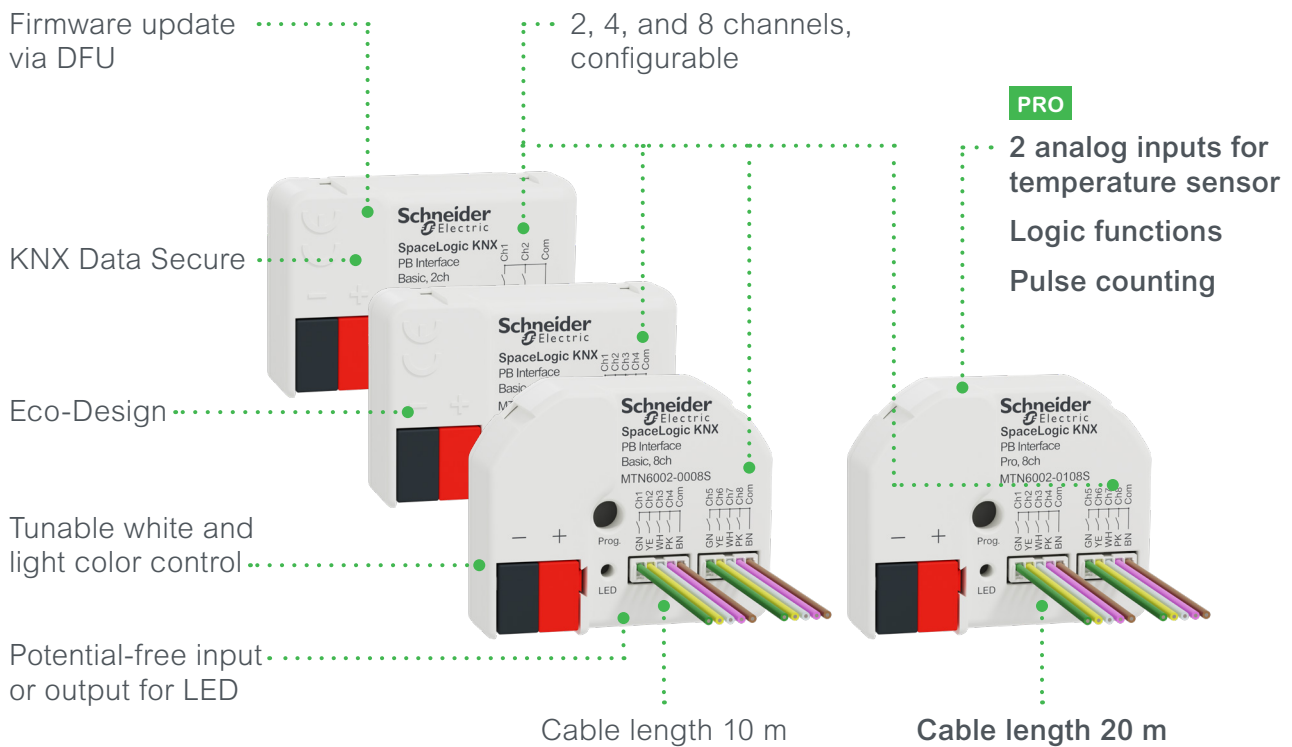


Push Button Interface Basic,
8 channels
MTN6002-0008S



Push Button Interface Pro,
8 channels
MTN6002-0108S

Discover the various features of the new KNX Push Button Interfaces



Funktion	MTN6002-0002S	MTN6002-0004S	MTN6002-0008S	MTN6002-0108S
Channels	✓	✓	✓	✓
KNX Data Secure	✓	✓	✓	✓
Configurable	✓	✓	✓	✓
Tunable white and light color control	✓	✓	✓	✓
Eco-Design	✓	✓	✓	✓
Firmware update via DFU	✓	✓	✓	✓
Potential-free input/output for LED	✓	✓	✓	✓
Pulse counting	✗	✗	✗	✓
2 analog inputs for temperature sensor	✗	✗	✗	✓
Logic functions	✗	✗	✗	✓
Cable length	10 m	10 m	10 m	30 m



SpaceLogic KNX DALI Broadcast Gateway

Introducing the innovative KNX DALI Broadcast Gateway, a game-changer in smart lighting control! This advanced device simplifies the management of electronic control gear (ECGs) by allowing for seamless operation of up to 32 devices per channel across 4 channels.

With its broadcast communication feature, commissioning and maintenance become quick and hassle-free, eliminating the need for DALI commissioning. The KNX DALI Broadcast Gateway not only supports easy device replacement but also enables precise control over color and color temperature, all while ensuring top-notch security with its KNX Secure certification.



Discover the various features of the new KNX DALI Broadcast Gateway



Control Capabilities:

- Manage up to 32 devices per channel.
- Supports 4 channels for enhanced flexibility



Effortless Commissioning & Maintenance:

- Quick setup with no DALI commissioning required.
- Easy replacement of faulty devices without addressing or grouping



Advanced Features:

- Supports color and color temperature control (DALI Device Type 8).
- Power and energy metering according to DALI type 51



KNX Secure:

- KNX Secure certified to protect against manipulation and data misuse



SpaceLogic KNX
DALI Gateway Broadcast Master
MTN6725-0005S

Product features overview:

- 4 DALI channels, electrically isolated into two groups
- 32 devices per channel
- DALI-2 certified
- Single-master application controller
- Integrated power supply
- Compact design (4TE)
- Manual control of the 4 channels via buttons on the front of the product
- LED status and error indication
- KNX Secure
- 16 scenes per channel
- Color and color temperature according to DALI Type 8
- Power and energy metering according to DALI type 51
- Dimming time, scene module, staircase timer delay, lock, priority, alarm, failure
- Firmware update via KNX Bus



Discover Resi9 Energy Meter Wired

Load availability and energy metering in a KNX installation

The new Resi9 Energy Meter Wired is a powerful enabler of energy usage analysis, monitoring and alarming capabilities close to final loads. It is available in two versions, for measuring 1 phase circuits or 3 phases circuits.

The Resi9 Energy Meter Wired can be easily integrated into a KNX system to monitor energy consumption. It provides accurate view of how energy is used at every level, from the incoming circuit to the final electrical load.

Resi9 Energy Meter Wired, 1 phase

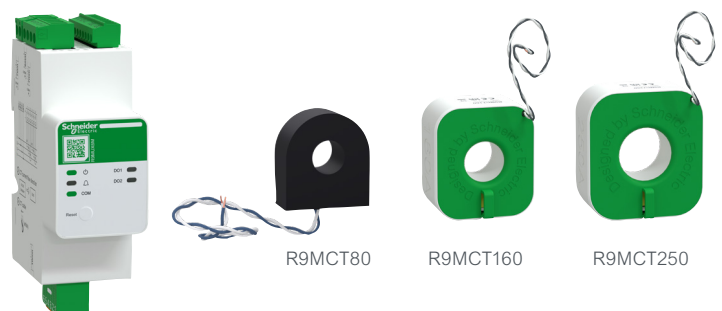
The Resi9 Energy Meter Wired for 1 phase can be connected to 6 metering points and comes with a compact design, ideally for retrofitting to existing cabinets.



Resi9 Energy Meter Wired, 3 phase

The Resi9 Energy Meter Wired for 3 phase supports 6 measurement channels.

They can be mixed in between 3 phase and 1 phase circuits measurement, leading to an extremely flexible product for projects or upgrade of existing electrical cabinets. The Energy Meter can also be used for single phase circuits.




Energy measurement from source to loads

The Energy Meter measures current, voltage, active power, power factor and active energy received and delivered in case of Photovoltaic installation, and communicates this data via Modbus serial RS485 communication to the KNX controllers Wisier for KNX or spaceLYnk.


All the Values are measured in accordance with the IEC 61557-12 standard for 1% accuracy (class1). The energy data is displayed in the controller web pages and Wisier KNX app.

Resi9 Energy Meter Wired




R9M80X6M




R9MUX6M



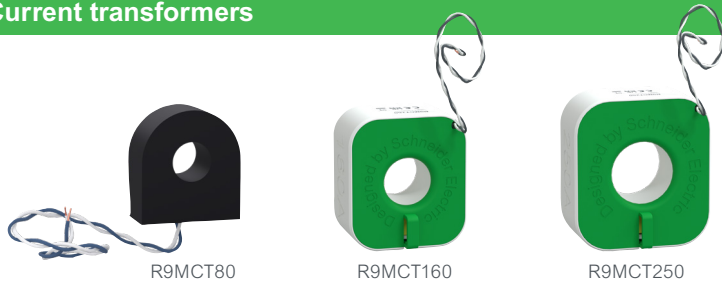
KNX Connectivity



RS485

Current transformers



Three current transformers are proposed with different ratings : 80/160/250A. For single phase Energy Meter, only CT80A is compatible. Specific marking on the CT is showing the current flow to avoid mismatch on the power cable.



Resi9 Energy Meter Wired – Benefits at a glance



Compact design:
Ideal for retrofitting, needs less space in the cabinet.



Versatile metering:
Up to 6 metering points for single phase; 90 points / Wisier for KNX and spaceLYnk.



Connected:
With KNX systems via Wisier for KNX and spaceLYnk controllers.



Cost effective:
Competitive price.



Clear and intuitive:
Visualization via Wisier KNX app or the controllers (customized).



Fast and easy commissioning:
Modbus profiles are already stored in the Wisier for KNX and spaceLYnk controllers.



Modular and adaptable:
Perfectly suited to adapt to changing business needs, energy regulations or certifications, retrofit applications on final distribution circuits.



Sustainable:
It assists your ISO 50001 goals and supports your energy efficiency and carbon footprint reduction targets.



KNX Secure

In our increasingly digital world, cybersecurity is paramount. This holds especially true for building automation, where safeguarding systems against cyber attacks is of central importance. That's why Schneider Electric is progressively incorporating the KNX Secure Standard into all relevant products within our SpaceLogic KNX portfolio.

The specification for KNX Secure distinguishes between KNX IP Secure and KNX Data Secure. KNX IP Secure protects the communication over IP while on KNX TP the communication remains unencrypted. Thus, KNX IP Secure can also be used in existing KNX systems and with non-secure KNX TP devices. KNX Data Secure describes the encryption at telegram level. This means that the telegrams on the twisted pair bus are also encrypted.

**Devices supporting
KNX Secure**



KNX IP Secure for the router function

The coupling of individual KNX TP lines via IP is referred to as KNX IP routing. Routing communication is encrypted with KNX IP Secure. This means that only IP devices that know the encryption key can decrypt the communication and send valid telegrams. A time stamp in the routing telegram ensures that no previously recorded telegrams can be replayed. This prevents a replay attack.

The key for the routing communication is reassigned by ETS for each installation. If KNX IP Secure is used for routing, all connected KNX IP devices must support security and be configured accordingly.

KNX IP Secure for the interface function

When using a KNX IP device as an interface to the bus, access to the installation is possible without security for all devices that have access to the IP network. With KNX Secure a ETS project password is required. A secure connection is already established for the transmission of the password. All communication via IP is encrypted and secured.

In both modes, the interface forwards both encrypted and unencrypted KNX telegrams. The security properties are checked by the respective receiver or tool.

KNX Data Secure for the device

The KNX secure device also supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams. Encrypted telegrams are longer than the previously used unencrypted ones. For secure programming, the interfaces and line couplers used must support so-called KNX long frames.

New KNX Secure products

KNX Secure Push Buttons



4" Touch Unit
MTN6215-0410S



Dynamic Labeling Universal
MTN6194-6010S



Wiser for KNX
LSS100100



spaceLYnk
LSS100200

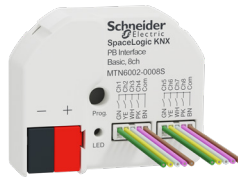
SpaceLogic KNX Push Button Interfaces



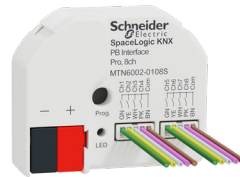
MTN6002-0002S
(2Channel)



MTN6002-0004S
(4Channel)



MTN6002-0008S
(8Channel)



MTN6002-0108S
(8Channel Pro)



SpaceLogic KNX
Switch / Blind Master
MTN6705-0008S

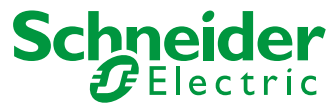


SpaceLogic KNX
Dimmer Master
MTN6710-0102S



SpaceLogic KNX
DALI Broadcast Gateway Master
MTN6725-0005S

Life Is On



Find out more about SpaceLogic KNX
se.com

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