KNX Building Automation

A building which can think for itself? The future is here. Our building automation offer in Tebis.KNX can turn a building into an intelligent machine. It provides true control of heating, lighting and privacy and creates energy savings all year round. Be in control or let it do the work for you. Automation so intuitive, you won't even know it's there.

06

Building
Automation

Hager makes
things easy
KNX overview

KNX is an established standard everywhere, and one that our whole system range is fluent in. Any easy installation can be extended using quicklink wireless solutions or imported fully into the ETS software. Hager considers it essential that each one of its customers experiences this consistent concept, and by providing it, ensures they benefit from a solution that will hold up over the long term and offer as many expansion options as possible. **Guaranteed fit for the future**

Comparison of systems

quicklink wireless modules
– Solution for individual rooms
– Retrofitting of existing buildings

Visit hager.ie to view our full KNX solutions catalogue or contact us to request a printed catalogue.

easy configurations
– Complete solution for residential buildings
– Excellent functions for private households

Visit hager.ie to view our full KNX easy catalogue or contact us to request a printed catalogue.

system programming
– Premium solution for residential buildings
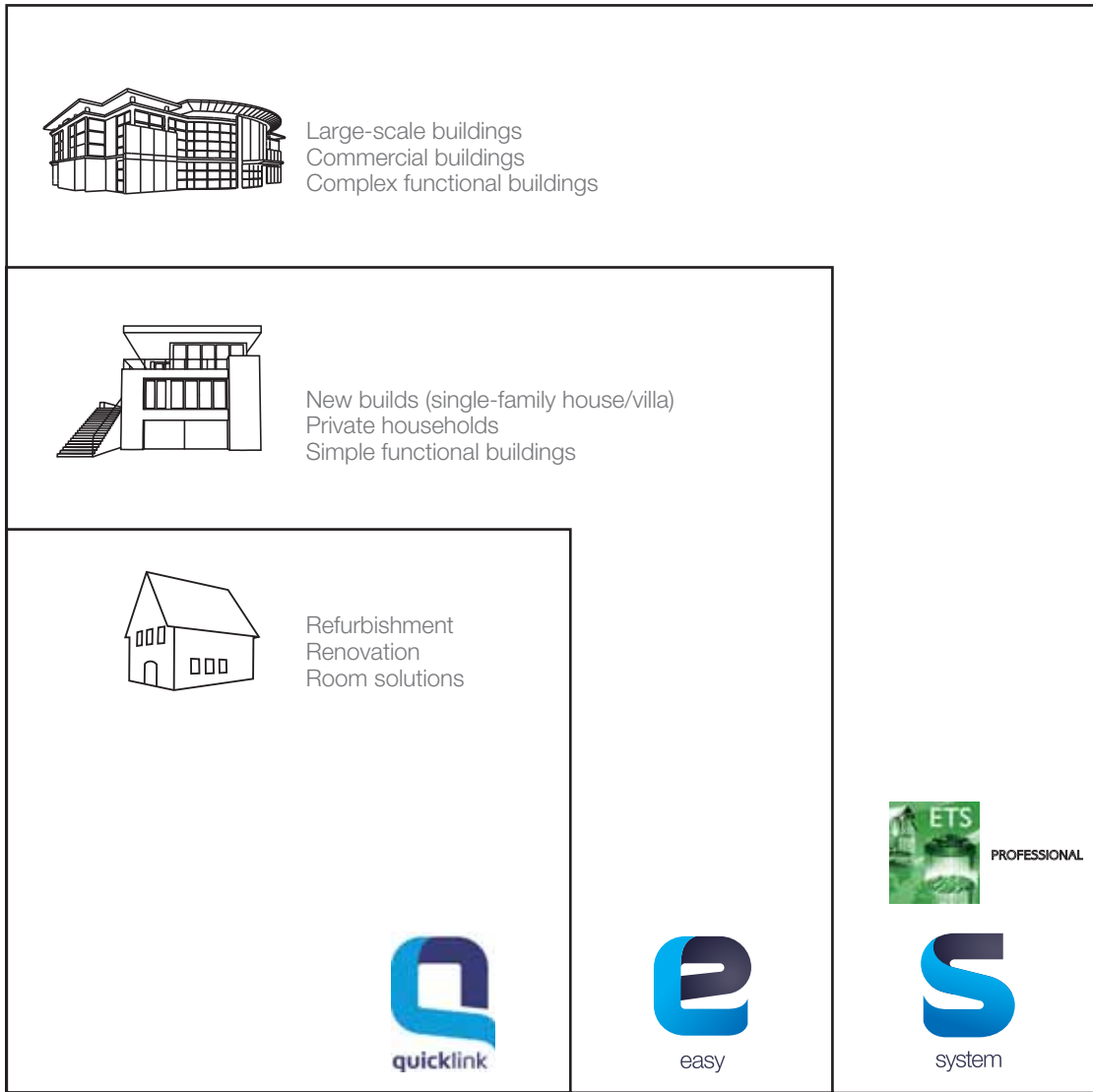– Meets complex requirements of functional buildings

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T +353 (0)1 8835844

E customer.service@hager.ie

W hager.ie

Large-scale buildings
Commercial buildings
Complex functional buildings

New builds (single-family house/villa)
Private households
Simple functional buildings

Refurbishment
Renovation
Room solutions

ETS
PROFESSIONAL

Building types

quicklink

easy

system

Installation complexity

Come and join us
in the wireless revolution

If you're considering retrofitting, modernizing or upgrading a house, you're probably tempted by the benefits of a smart home. But the cost and time of hard-wiring systems may make you think twice.

Fortunately, there's a simple solution. With coviva, you can transform existing electrical installations into a smart home without any construction work or cable routing.

Simply combine coviva's micromodules with a smartbox and the coviva app to create a smart home that's easy to install, monitor and control.

Micromodules:
the foundation of home automation

When it comes to home retrofitting, less is more.
Less cabling through the walls and less rebuilding work means more convenience for you. And it's all possible thanks to coviva micromodules.

Micromodules are the first step towards a smart home.
Once installed behind existing switches or connection boxes, they communicate wirelessly to automate multiple functions throughout the home, including lights and blinds.

Quick installation. Easy implementation

Once the micromodules are connected, they're ready to go.
In an instant, they can control dimming settings, on/off switches and raise/lower functions.*

Universal controls

Each micromodule can be linked to a button, which is fast and easy to program.

Superior wireless reach

The micromodules are designed to deliver exceptional wireless reach. Indoors, they can cross through 2 concrete slabs and still transmit up to 30 meters. Outdoors, their range extends as far as 100 meters in an open field.

Update
as desired with
KNX standard.

Some providers of smart home solutions use closed proprietary systems. Hager uses the internationally-recognized KNX standard, which is compatible with more than 300 brands. Which means you can guarantee your customers a high-quality system well into the future.

quicklink
The perfect retrofit solution, quicklink is our wireless alternative to Intelligent Building System technologies. There's no need to lay costly control lines. And, with no programming tools required, system launch couldn't be easier.

easy
Designed for new constructions and extensive renovations, easy offers a simple solution for configuring a KNX system quickly and intuitively. All you need is an easy configuration server, a tablet and the easy app. And if you want to expand your easy configuration in the future, just add a quicklink wireless solution.

KNX ETS
ETS is the standard software used in building automation. The bus system, its actuators and its sensors are used for a wide range of applications – to control lights and blinds, regulate the temperature in individual rooms and much more.

Hager offers a complete
range of KNX systems
and a variety of applications

system (ETS)
High-end solutions for residential, commercial and administrative buildings

easy
Complete home solutions

quicklink wireless module
For individual rooms and retrofitting

quicklink

easy

system

Making it really easy
To create an intelligent home

You can program lighting scenarios to suit your customers' wishes, allowing them to create the atmosphere they are looking for quickly and easily. **Dimming control for setting the mood**.

Design, operation and functionality at the peak of perfection. Hager makes smart home solutions an affordable option for anyone, with technology that is making inroads into average private households. Your customers are sure to love the new level of convenience it affords them. **Intelligent control centre.**
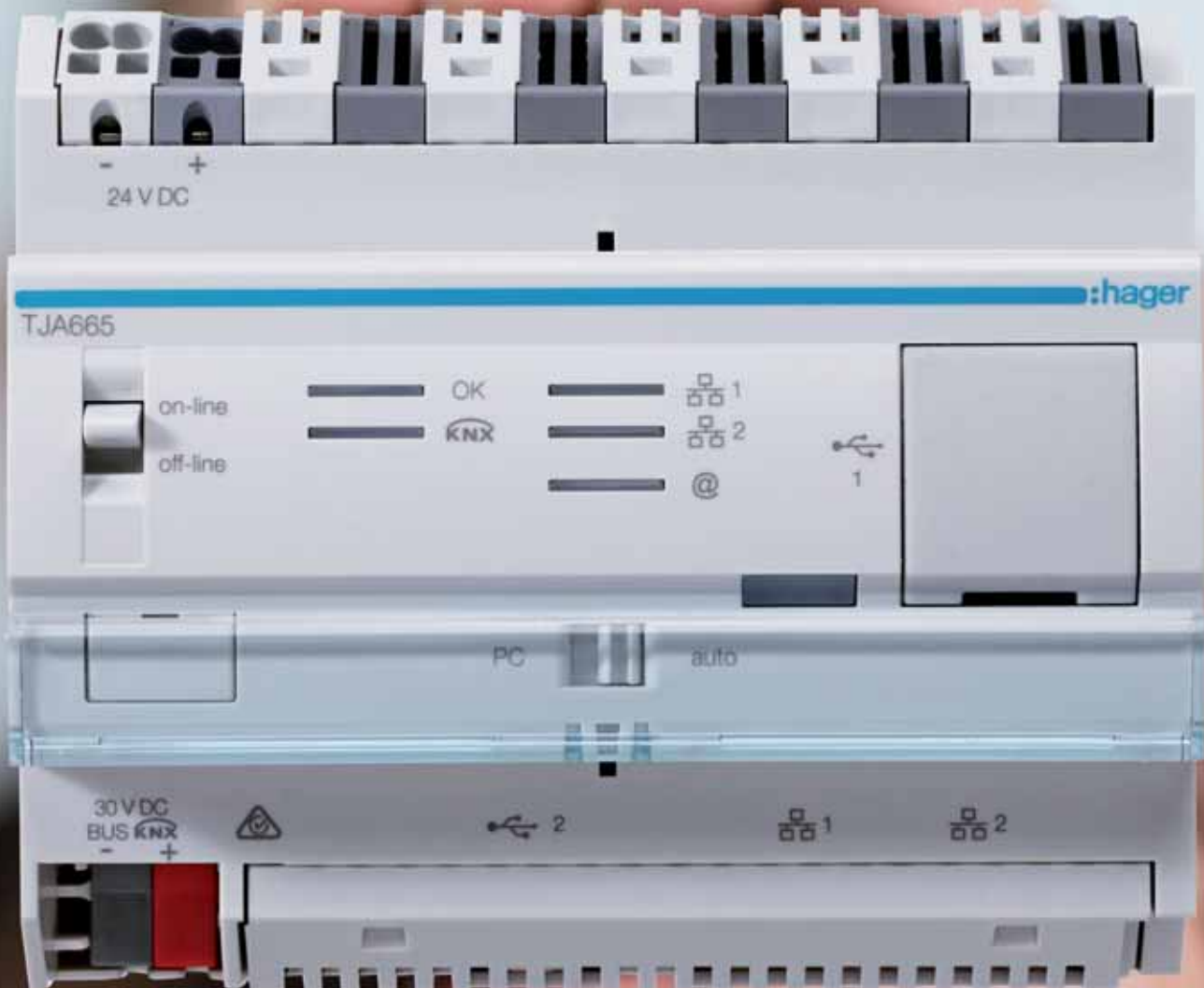
The system makes operating roller shutters and blinds convenient and so easy, even a child could do it. The option to shade or darken a space at the touch of a button creates more comfortable surroundings for your customers. **Raised potential**.

The option to switch everything off saves customers looking back over their shoulders after leaving the house. The simple control concept creates an intelligent home – even when the occupants are outside it. **Reassuring security solution.**

easy
installation

The easy configuration server is at the heart of the system. It is connected to the KNX system and acts as
an intelligent partner during configuration. The easy configuration server forms the programming interface between
the KNX installation and you while you are performing the configuration work on a tablet. Central management.

The new easy actuators are equipped with all the functions that residential buildings need – whether these involve switching lights on and off or dimming them, moving blinds, creating light scenes, or adapting to wind and weather conditions. easy systems come complete with all the security and comfort functions customers expect.

Visually speaking, the only way in which the easy actuators differ is their light-grey operation buttons – and inside the system, the easy functionality is virtually the sole difference.
Whether customers want to switch lights on and off and move blinds using combination actuators, or dim state-of-the-art lighting using dim actuators, easy actuators are capable of all this and more.

The new flush-mounted switching outputs are available as 1gang and 2gang switching outputs (in two versions). The 1gang output can be used for all types of lighting control – meaning not just switching lights on and off, but time, override, logic and scene functions too. With the 2gang output, there is the option of controlling two lighting circuits, a roller shutter/blind motor or a fan (2-stage activation).

A new feature comes in the form of the actuators that have been specifically developed for project business, which accommodate a high number of channels at an attractive price. In the 16gang and 20gang versions for lighting and blinds, as well as the 12gang versions for blinds at 230 V, they combine a large number of channels within a small space.

easy
products

A place in the sun

The new easy actuators feature not only multifunctional binary outputs, but also specialist KNX blind outputs. Together with the new GPS weather station, this makes it possible to create a variety of comfort scenarios – including gradual roller shutter motions or blind slats that rotate in line with the sun. This both creates a more comfortable atmosphere for users and reduces lighting and heating costs.

KNX weather station with GPS

The new weather station, featuring a GPS antenna, measures precipitation, temperature, wind speed and the sun's position with accuracy. Based on this information, convenient shade and heat protection functions – such as position tracking and sun tracking – can be configured for up to four building facades.

This allows blinds to be used for cooling in summer and sunlight to be used for heating in winter. It is also possible to program a rain, frost and wind alarm, with 3 stages in each case. The date, time and exact location coordinates are received via the GPS signal, and the station switches from summer to winter time automatically. The easy visualisation concept allows advanced functions to be added, such as set-point settings, process logic and timers. The weather station is mounted horizontally on the outer wall, enabling the sensors to detect sun, wind and rain without obstructions.
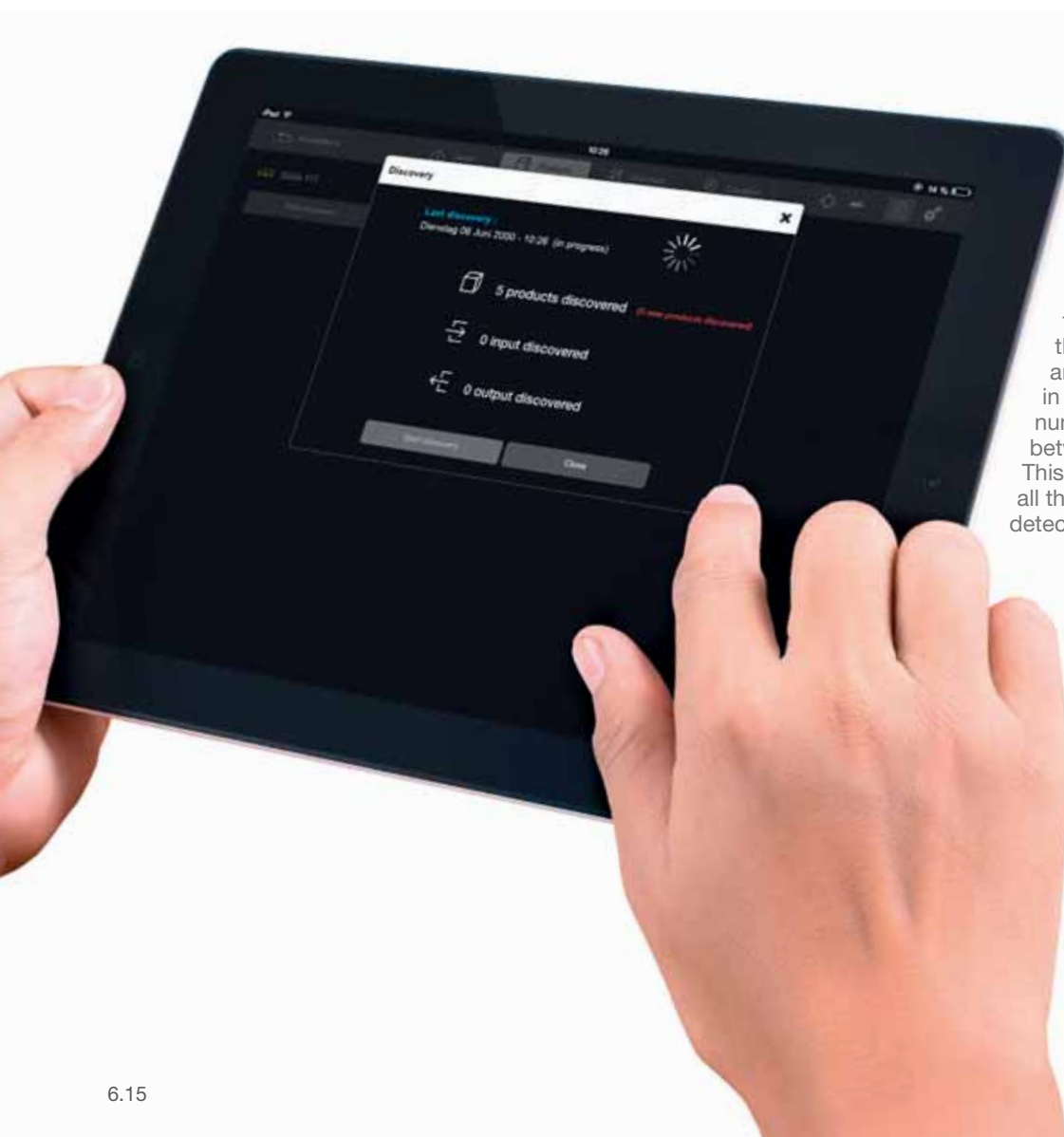
KNX blind outputs

Five easy actuators with an option of 4, 8 or – a new addition – 12 outputs are available for activating roller shutter and blind motors. The 12gang output can normally be used to control any kind of shutters found in a small bungalow.

The 12gang output is supplied with 230 V. Depending on the rated voltage of the roller shutter and blind motors, the 4gang and 8gang outputs are available for either 230 V or a 24 V extra-low voltage.

easy
configuration

KNX easy provides an intuitive means of configuring KNX systems. Just connect to the new easy service tool wirelessly using a tablet – and from that point, everything practically runs itself. **Brilliantly simple.**

Step 1: Reading in

Once you have created a new project, activate the 'Start discovery' function. All the KNX products installed in the system, plus their inputs and outputs, will now be read in and listed according to their number. The software distinguishes between wired and radio products. This allows you to check whether all the installed devices have been detected.

Step 2: Labelling

easy speaks in plain language – meaning no abbreviated forms and no codes! You start by creating a simple name for the building, then giving names to each individual room and assigning the rooms to each floor. The next step is to label all the KNX products with all the inputs and outputs. Once the individual functions and their parameters have been defined, the inputs and outputs are assigned to the rooms that have been created.

Step 3: Linking

You now select the inputs and outputs you require using the touchscreen function. You can simultaneously select multiple inputs and outputs that you wish to link. A filter function makes it possible to create quick and simple links for group switching, for instance.

Once you have selected the channels to be linked, press the 'Link' symbol.

Step 4: Function

The final step involves choosing the appropriate function. You may want the button to switch the lighting on or off, for example – but whatever the case, a whole range of KNX functions is available for selection. Once you have selected the function, operation can start immediately.

easy
operation

The new KNX sensors from Berker provide the perfect partners to easy actuators. Their design lines might be familiar, but they have a new stand-out feature – a reimagined sensibility. This allows customers to find the perfect solution to suit any need – from the attractively priced push-button option to the dimmable push-button, all the way through to the intuitive room controller. All the sensors can be combined with one another. **A versatile selection.**

Switch, illuminate, protect

The new KNX push-buttons with integrated BCU (bus coupling unit) appear so simple from the outside, but are so smart on the inside: they easily connect to the in-house KNX system via the integrated bus coupling unit. Rockers in the centre allow the upper and lower push-button areas to be assigned separate functions. The 1gang push-button is able to trigger two control commands and the 2gang push-button four control commands. Each rocker has a status LED that also serves as orientation lighting. The LED colour can be customised as red, green or blue as well. And to stop any sticky fingers making off with such an appealing item, the push-button module and supporting ring can be bolted firmly together – the perfect thief deterrent.

New:
1gang to 4gang KNX push-button

Switch on your senses. The new Berker KNX push-buttons make it possible to produce entire scenes and logic combinations. Users are also invited to use their senses of vision, hearing and touch, thanks to LEDs that can be dimmed in any required RGB colour combination, an integrated buzzer that can be felt when it is activated via the easy configuration, and a built-in temperature sensor to which a second sensor can be connected if required – for underfloor heating, to take one example.
Available in the design lines S, B, Q, K and R in all standard colours.

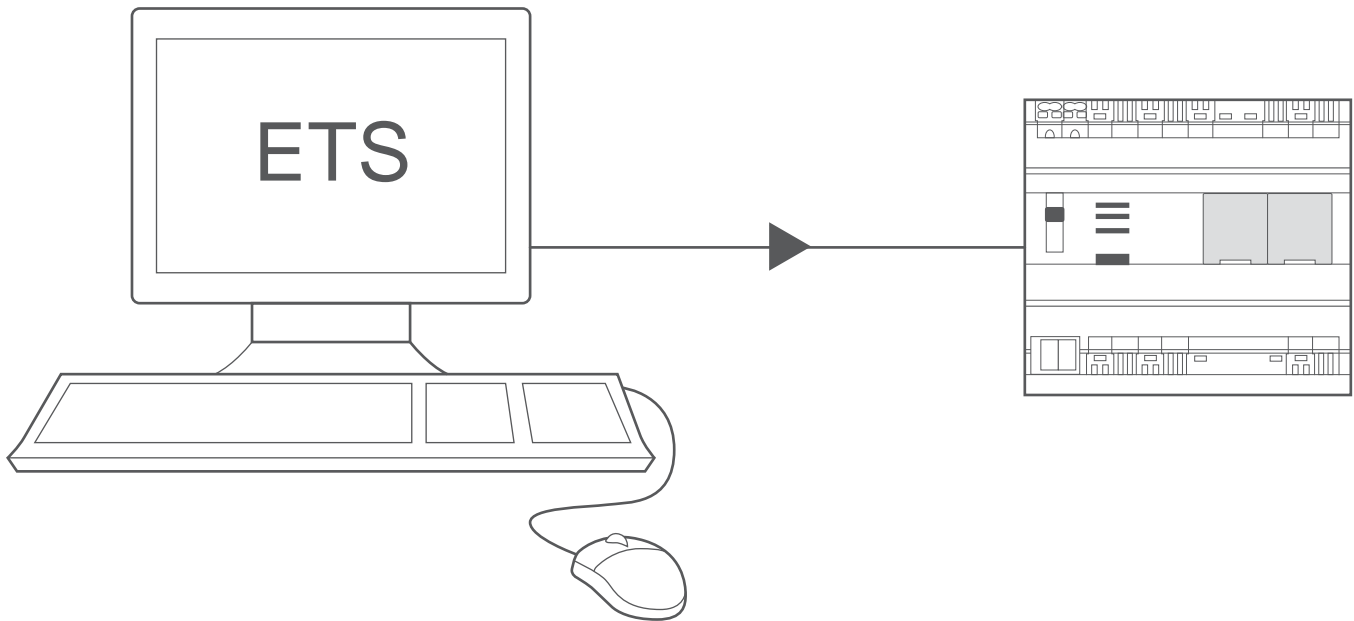**KNX**®

KNX room thermostat
and room controller

The new Berker KNX room thermostat and room controller make an impact not once, but twice – thanks both to their attractive design and to their innovative operating concept featuring the wipe-and-type function that is exclusive to Berker. Simply wipe along the sensor strip and tap to select from a whole range of building functions. **Beautifully smart.**

System programming
premium KNX solution

For large-scale and commercial projects requesting a whole range of functionalities, system is the most adapted solution. Our KNX system range has been developed for the most complex and demanding installations. Our wide range of KNX devices offers very advanced configuration possibilities in ETS software. The range of KNX modules consists in output devices for shutters and lighting management as well as binary modules with current measurement.

KNX®

Configuration

ETS is the software used for the configuration of every KNX solution. To configure the products, the computer has to be plugged to the installation via a gateway.

The software includes many features, such as:
- easy and quick integration of wireless KNX products in the installation
- user-friendly interface
- simple database
- possibility to track changes related to the project...

Benefits

- Efficient installation: ETS 5 configuration software has become so simple and intuitive to use for a quick configuration
- A wide range of products to answer all type of projects
- Comfort as its best: possibility to set unlimited number of various scenarios
- Safer installations: would any problem occur, it is possible to troubleshoot easily and quickly

KNX inputs, outputs and system components

With KNX, a building provides a significant contribution to looking after itself: motion detectors activate lighting as necessary. Windows and doors left open by accident are signalled using magnetic contacts and can be closed automatically. In addition, when the windows are open, the heating/cooling system reduces output. Using the KNX bus system, your house can learn to adapt to changed environmental conditions.

KNX remote control and visualisation

Intuitive control: one interface to manage your home.
domovea is the dashboard for your home, providing you
with intuitive control of the different devices in your home.
Lights, shutters, heating, air conditioning or alarm system;
for each room or the full floor... It's so simple to use:
everything can be controlled from one single point.
You can enjoy domovea from your home computer, laptop,
smartphone, tablet or dedicated touch panel, all with the
same look & feel.

Berker B.IQ

A wide array of alternative materials and colours have been added to the convenient variety of KNX functionality of the Berker B.IQ.

– Frameless KNX push-button with full-material rockers (glass, stainless steel and aluminium)
– High scope of functions in the KNX applications through devices integrating thermostats
– The attractive appearance is rounded off using white status LEDs and a blue operation LED
– Suitable variants for all materials and colours of sockets in the Berker B.7 switch range.

Berker TS Sensor

Understatement is an art, and the Berker TS Sensor makes it perfect. Up to eight functions are concealed under a pure surface that is practically flush with the wall, and can be custom-labelled on request. A single touch is all it takes to control lights, heating or blinds. In this way, the Berker TS Sensor can offer an exciting variety of possibilities – and, at the same time, still seems as calm as possible.

Berker TS/TS Crystal

Behind its elegantly purist exterior, there is an unexpected wealth of technical options: the Berker TS allows operation, not only of multiple light sources, but, if so desired, also of intelligent building control systems. With their fine platform and switching knobs MADE WITH SWAROVSKI ELEMENTS, the Berker TS Crystal lends refinement to any atmosphere.

Berker R.1/R.3
Touch Sensors

Just right for the switch programmes in the R.-Design is the Berker Touch Sensor – in a soft (R.1) and cornered (R.3) contour as well as in the glass surfaces black and polar white.

The KNX-Touch Sensor has the same assembly height as the switches in the R.-Design.

With its integrated bus coupling unit, a variety of building functions can be read and controlled through it.

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