

BERKER INSTABUS KNX/EIB



Berker Switches and Systems

BECAUSE A HOUSE IS ALWAYS BUILT FOR THE FUTURE

Original location:
Home of family Kayser, Neuenrade, Germany
Product: Berker B.3 Alu
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Photographer: Werner Huthmacher, Berlin, Germany





BERKER EASE OF OPERATION

The Berker instabus KNX/EIB makes your home easy to operate, making for less work and more fun. What more can anyone want?

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BERKER ENVIRONMENTAL FRIENDLINESS

Using the Berker instabus KNX/EIB, your home consumes no more energy than it needs to, which is good for the environment and your pocket.

Page 20

BERKER AIR-CONDITIONING

The right temperature and air humidity in everyroom, and you don't have to lift a finger. The Berker instabus KNX/EIB controls them for you.

Page 22

BERKER ATMOSPHERE

If you need the perfect light, you'll just love the Berker instabus KNX/EIB. Because it makes storing individual light and shade scenarios child's play.

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BERKER SECURITY

How secure your home is also depends on how well it looks after itself. It's easy using the Berker instabus KNX/EIB to teach it.

Page 28

BERKER SIMPLICITY

Tell your home what it's got to do. It's as simple as making a phone call. And you can do it when you're a long way away.

Page 30

A HOME WITH POWER-ASSISTED STEERING

Can you remember? The first cars that had power-assisted steering were looked on in amazement. People said then that it was a luxury, too expensive, only for the top categories of cars. Today, all new cars have power-assisted steering. And now it's available for your home too.

It's perfectly easy to "steer" your home using the instabus system, making it more secure, providing you with an ease that you'll sense right away, allowing you to concentrate on more interesting things than steering. On life, for example.

BERKER EASE

is the control system which directs the blinds depending on the position of the sun and draws in the awning when it's beginning to rain.



BERKER INSTABUS KNX/EIB: A LEAP IN CONVENIENCE THANKS TO TECHNOLOGY

It doesn't take long to explain what's meant by the name instabus:
instabus is an artificial word, combining installation and bus technology.

Bus technology connects electrical equipment with a control line that can be used to transmit signals. The customary electrical installations thus become an intelligent system that can be used to control several items of equipment at the same time, just via a single line.

COMFORTABLE, BUT NOT A LUXURY

If you choose to rely on Berker instabus today, this is not a sign that you have too much money – but rather a sign that you know how to handle it. You are aware of the inevitable trend to network home conveniences. Beyond PC, and climate control, even televisions and HiFi systems will be integrated.

Those who prepare for this now will be saving money.

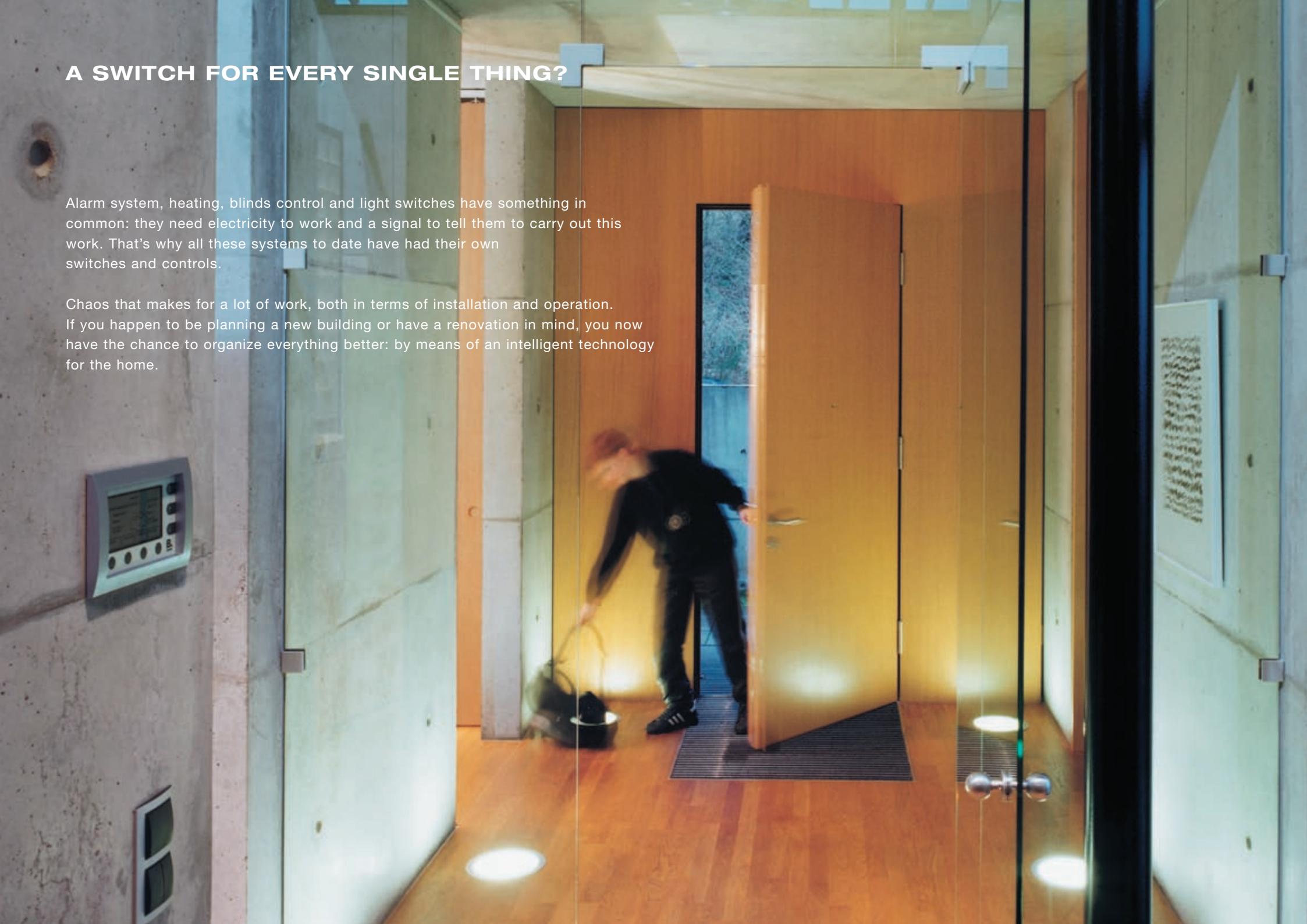
For example, because instabus technology can drastically lower energy costs. And it's also true that every additional element becomes easier and more cost-effective to install.



A SWITCH FOR EVERY SINGLE THING?

Alarm system, heating, blinds control and light switches have something in common: they need electricity to work and a signal to tell them to carry out this work. That's why all these systems to date have had their own switches and controls.

Chaos that makes for a lot of work, both in terms of installation and operation. If you happen to be planning a new building or have a renovation in mind, you now have the chance to organize everything better: by means of an intelligent technology for the home.



INSTABUS KNX/EIB MAKES IT EASY

A single standard, the European Installation Bus (EIB), makes everything in the home easier. It allows all items to be connected, even if they've been made by different manufacturers. The EIBA, the association of manufacturers that are involved in this standard, now has more than 120 members in 15 countries.

Berker has already gone a very long way in developing this system. Using only one control display or a few switches, you can operate the light just as you operate the heating or the blinds, enabling you to use the same "switches" in future for heating, light and almost everything in your home: simply, easily and clearly.

HOW SIMPLE IS SIMPLE?

A single cable, which connects all items of equipment with one another, is used to network everything in your home. When the mains cable for 230 V is being installed, a network of control lines is also installed with the Berker instabus KNX/EIB. The additional outlay involved in installation is thus relatively small. And suddenly, a switch can do more than just switch on the light.

Make controlling your entire home as simple as it's never been before: for example, using the Berker information display, enabling you to see in clear language what functions you have available. No more long-winded operating instructions!

SWITCH TO CONVENIENCE

You soon have everything under control when you use the switching elements of the Berker instabus system.

You can either mount a special switch for every control system, which then looks the way that you're used to it looking. Or you make things a little easier. For example, using displays which can control a number of elements. Clear to read, simple to operate as well as being intelligent.

In addition, you can use sensors to teach your home to look after itself in certain areas. For example, for light and shade, heat or coolness. And it's so much easier not to have to take care of everything yourself.



HOW DOES CONVENIENCE BECOME EVEN MORE CONVENIENT?

Berker B.IQ makes intelligent homes even simpler to operate. Up to four different functions can be controlled in a single room-related operating element, using a display which makes selecting the functions quite simple via a text-led menu.

B.IQ is especially ideal for controlling heating and lighting scenarios. Using the integrated timer switch, it is easy to specify recurring actions and contexts. And if you'd like to change a setting at any time, you can do it quite simply yourself. The B.IQ software makes setting the system child's play.

The removable labelling strip makes everything even clearer and more manageable. Once you've noted the functions of the push buttons, you can simply remove the strip. What's left is an advanced design that meets all the requirements for modern living.

BERKER EASE OF OPERATION

is increased still further by the B.IQ operating concept. There's no easier way to operate the Berker instabus KNX/EIB functions.

The Berker B.IQ makes systematic and pioneering use of the capabilities of the Berker instabus KNX/EIB, so that intelligent homes are easy to operate, more attractive and more comfortable. The design of the B.IQ has been reduced to its essentials and has already won a number of design awards. High-quality materials show off this design to the full and make operating it an experience.

You can find out more about B.IQ on page 38 of this brochure.

Clearly worded display. It displays the menu steps when you want to make settings. Or it displays important information about your home.

Status LED. Enables you to identify easily which functions are activated at any one time. If the labelling strip is fitted, the labelling is illuminated by the status LED.



Key sensor. Easy to operate, with a large operating area. It makes setting, for example, the temperature, blinds or lighting easier.

Transparent labelling strip. This can be individually labelled, can be easily changed at any time and, if you want, can also be removed after a familiarization phase.



reddot design award
winner 2004



Designpreis der
Bundesrepublik
Deutschland
Nominiert 2004



DO YOU TRUST THE WEATHER FORECAST?

Roller blinds, awnings and windows have a clear function: letting good weather in and keeping bad weather out. Why should that be more complicated than it need be?

Using the Berker instabus KNX/EIB, your home's able to learn how to recognize good and bad weather itself. While sensors register sun, rain, cold and wind, your home responds to them all by itself.

This means that even if you're not at home, you can be sure that your home's thinking for you.



A CLEVER HOME IS SECURE AND EASY TO OPERATE

If you've left a skylight open, your home will close it when it starts to rain. Your home controls the shade in the height of summer by itself. And heat-insulating roller blinds are controlled by the Berker instabus when it gets dark earlier in winter.

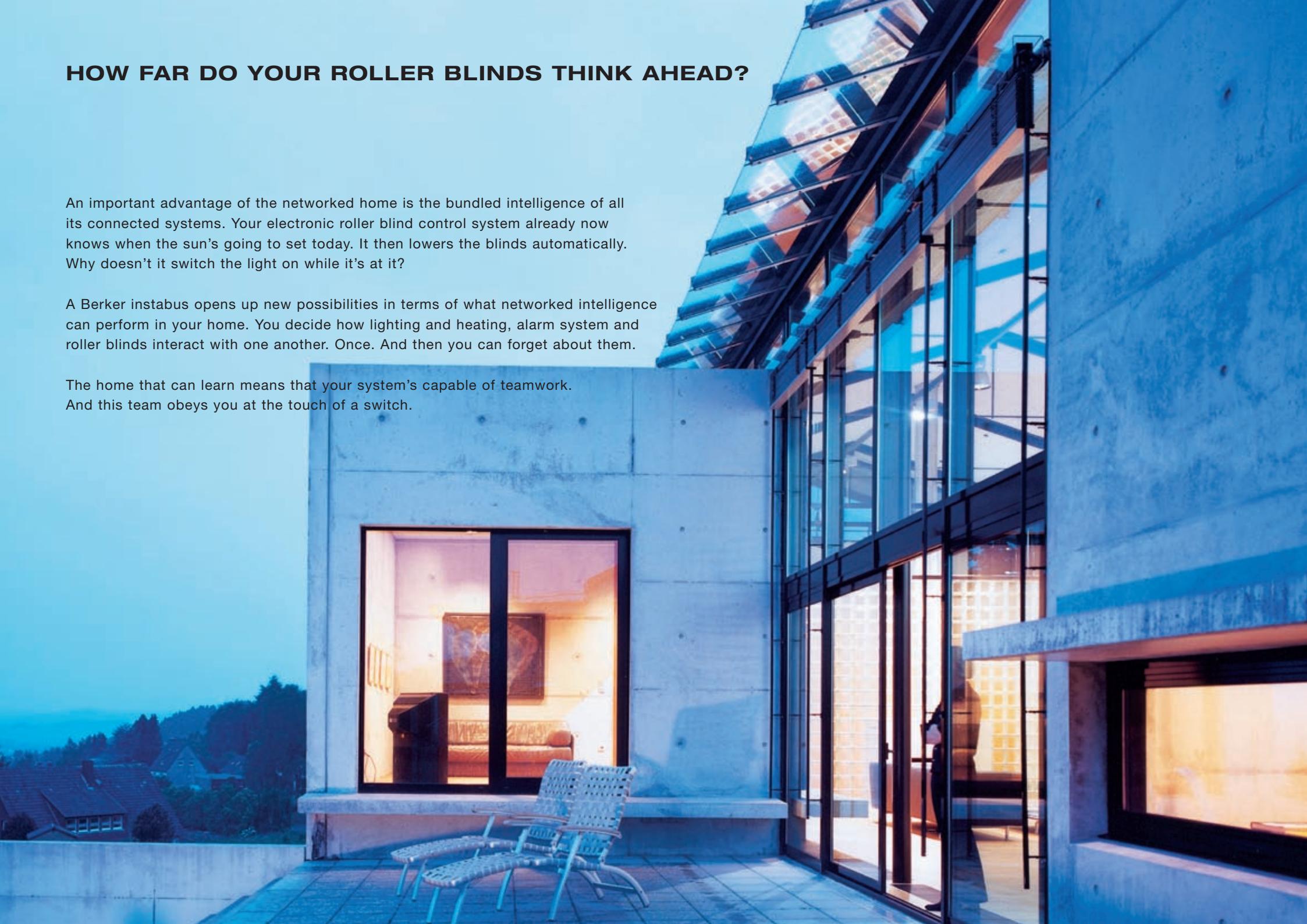
Just a few examples for the security and ease of operation that an intelligent home has to offer. And it goes without saying that these automatic elements can spare the elderly considerable physical effort.

HOW FAR DO YOUR ROLLER BLINDS THINK AHEAD?

An important advantage of the networked home is the bundled intelligence of all its connected systems. Your electronic roller blind control system already now knows when the sun's going to set today. It then lowers the blinds automatically. Why doesn't it switch the light on while it's at it?

A Berker instabus opens up new possibilities in terms of what networked intelligence can perform in your home. You decide how lighting and heating, alarm system and roller blinds interact with one another. Once. And then you can forget about them.

The home that can learn means that your system's capable of teamwork. And this team obeys you at the touch of a switch.



You know yourself best of all how you need to organize your home. And you simply teach it how.

With approaching nightfall:

- the windows are closed,
- the shutters lowered,
- the alarm system is switched on,
- outside lighting reacts immediately when someone approaches the house,
- the heating system senses inside and outside temperatures and regulates the temperature accordingly.

You have specified each of these steps yourself. It's as simple as making a phone call. And it ensures that you have less to worry about.

IS THERE SUCH A THING AS INTELLIGENT HEATING?

You can tell the difference if your heating system's connected to the Berker instabus KNX/EIB. Because heat is used sensibly, without waste:

- if a window's open, the heating element in the room is switched off;
- if the oven's on, the air temperature in the kitchen is adjusted accordingly;
- if the light's on until late into the night because, for example, you're having a party, the heating is not reduced for the night;
- if no one's at home, the heating's turned down.

You always have the heating on in the way that makes most sense. That doesn't just save nerves. It saves money too: up to 70% of a home's energy costs are accounted for by heating and hot water. Costs which you can reduce considerably using the Berker instabus.

BERKER'S ENVIRONMENTAL FRIENDLINESS

begins by optimizing energy consumption. And goes on to clear savings of energy costs for heating and lighting.

A person in a red shirt and striped pajama bottoms is sitting on a bed, looking out a window at a beach. A tray with coffee and cookies is on the bed.

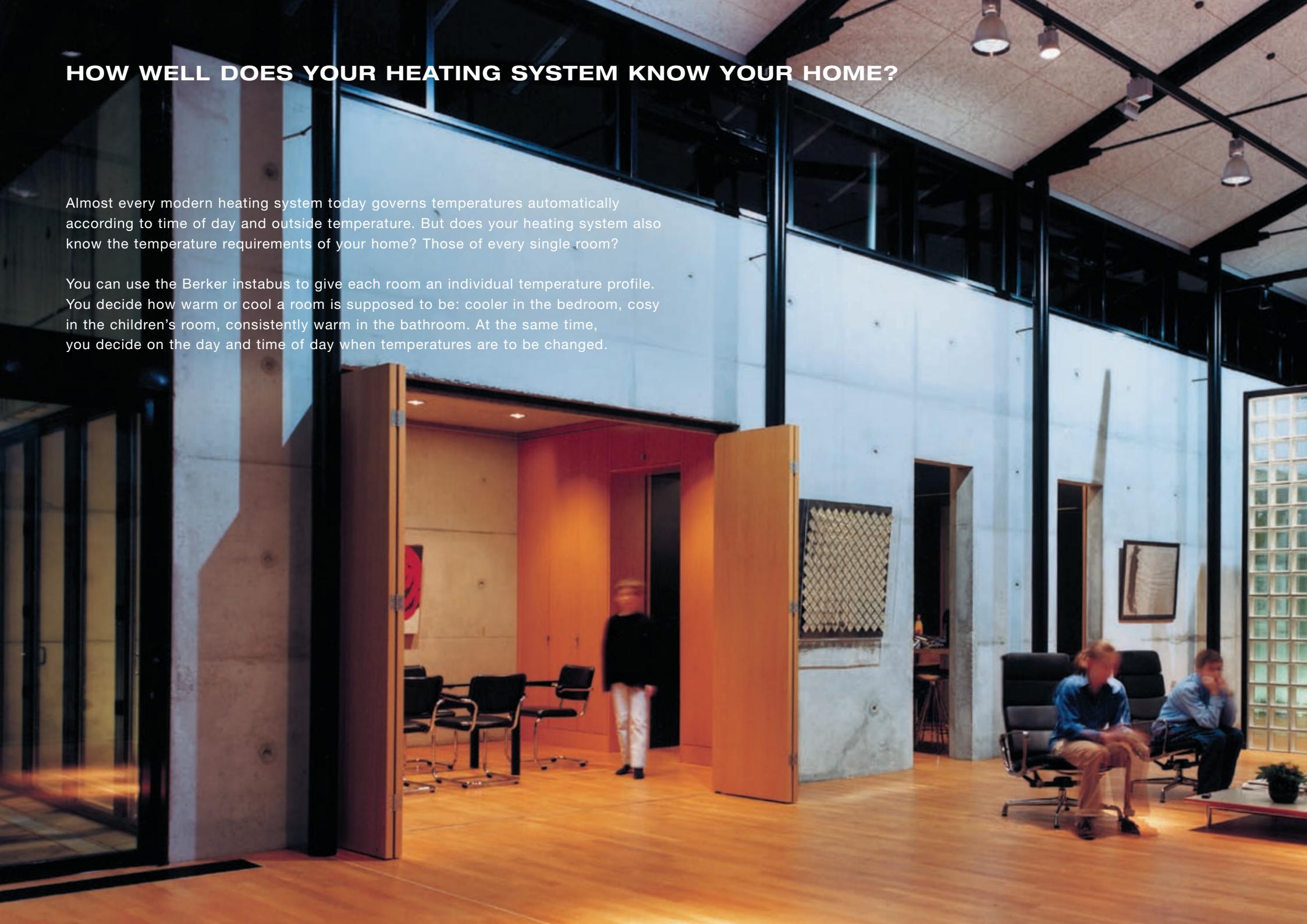
YOU JUST FEEL BETTER

Using the instabus means that you reduce heating costs, so you can feel your comfort level considerably increased. Never come back to a cold home after you've been on holiday. With the Berker instabus, you can use your mobile phone to switch on your heating, while you're still on your way home. On the other hand, if you've forgotten to switch off a heating element, you can do it while you're lying on the beach. One simple phone call's enough. You can rely on control via the instabus. And on just the right temperature in your home too.

HOW WELL DOES YOUR HEATING SYSTEM KNOW YOUR HOME?

Almost every modern heating system today governs temperatures automatically according to time of day and outside temperature. But does your heating system also know the temperature requirements of your home? Those of every single room?

You can use the Berker instabus to give each room an individual temperature profile. You decide how warm or cool a room is supposed to be: cooler in the bedroom, cosy in the children's room, consistently warm in the bathroom. At the same time, you decide on the day and time of day when temperatures are to be changed.



INDIVIDUAL ROOM TEMPERATURE CONTROL SAVES MONEY

Every family, every home, has an individual temperature requirement. Using the Berker instabus, you have the ideal solution. Set according to your home, the day and the individual patterns of your life.

Because this control system takes much more accurate consideration of the actual conditions, it saves you money in comparison with conventional heating control systems. One example: if you reduce the temperature by on average only 1°C, you're already saving about 6% of your heating costs. Overall, you can save up to 30% of your heating energy costs.

BERKER AIR-CONDITIONING

is the individually controlled temperature and fresh-air intake in every room, without having to make constant adjustments. Berker instabus KNX/EIB controls this for you.

HOW IMPORTANT IS GOOD LIGHT?

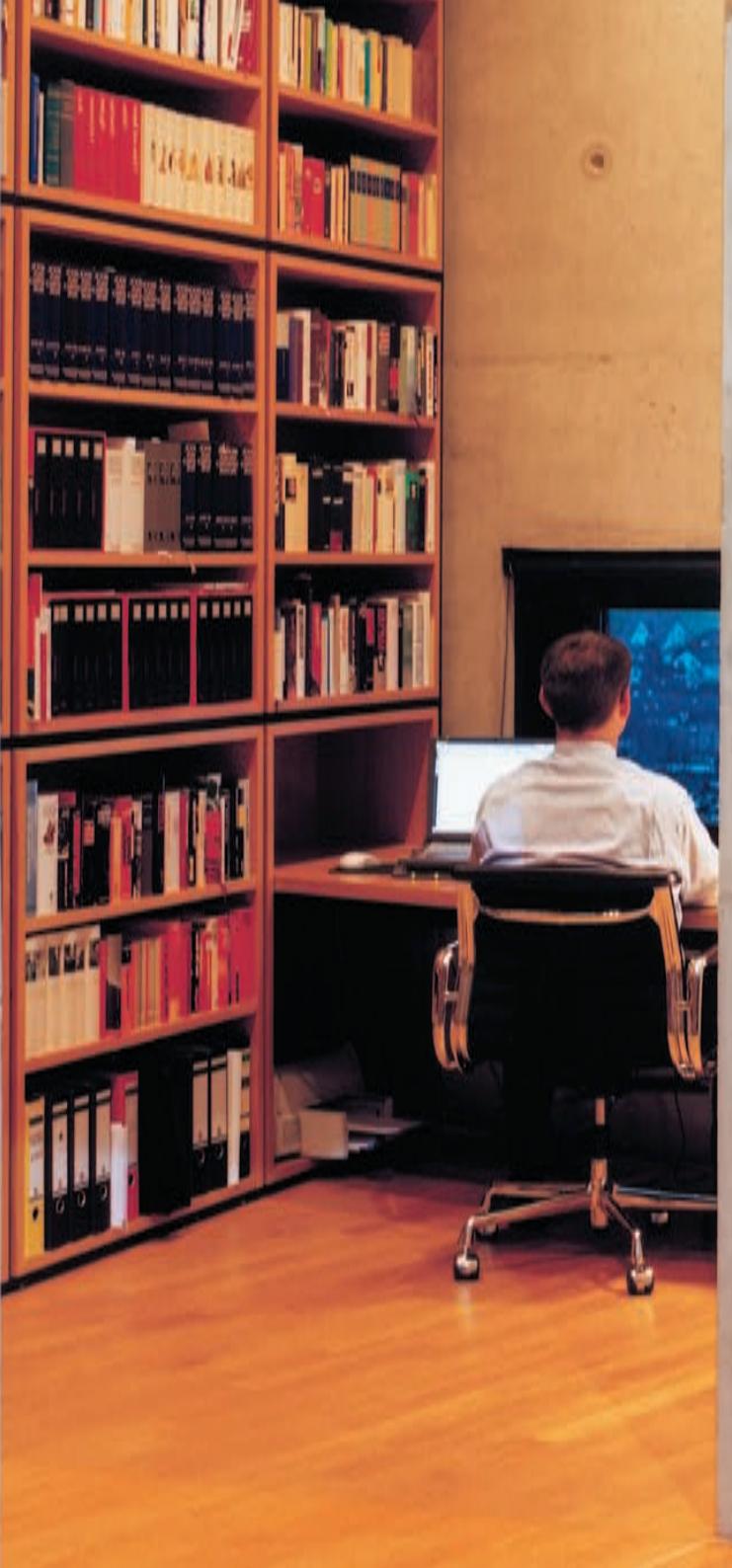
We've come to take light for granted. So much so, that we hardly notice it any longer. But light's very important.

If the lighting's too bright, we can't relax. If it's too low, we can't find our way around. And finally, if there's no light at all, we don't feel at ease.

Whereas there are nowadays more and more ways of exploiting light in rooms, it seems that we're still satisfied with just a few switches to control it. But are they really enough?

BERKER ATMOSPHERE

is the result of the ideal lighting in each room, at any time of day, on any occasion. At the push of a button, of course.

A photograph of a man with short brown hair, wearing a white button-down shirt, sitting in a black office chair at a dark wooden desk. He is facing away from the camera, looking at a computer monitor that displays a dark, possibly night-time scene. To his left is a large, light-colored wooden bookshelf filled with books of various colors. The floor is made of light-colored wood planks.

THE RIGHT LIGHTING CAN BE SAVED

Using the Berker instabus, light scenarios can be individually programmed, stored and called up by pressing a button. If you're having a candlelight dinner, romantically low lighting is all that you need. If you're working, a well-lit room's what you want. And a real party mood comes from making lively changes in various lighting scenarios.

Make yourself feel right at home. And enjoy the way your lighting thinks for you.

A photograph of a woman with short brown hair, wearing a black and white horizontally striped long-sleeved shirt and light-colored trousers. She is standing barefoot on a light-colored wooden floor, leaning against a light-colored wall. To her right is a large window with a dark frame, showing a night view of a city with lights. The floor in the foreground is a different shade of light blue, suggesting a different lighting scenario.

WHY DOES LIGHTING HAVE TO BE MANAGED?

Lighting has a great effect on rooms. So great, that a room that's wrongly lit can never show itself at its best.

But light management goes beyond this: far more than the effect that the light creates, the Berker instabus KNX/EIB is first and foremost practical. Because no one has the time and willingness to "invent" anew the perfect lighting scenario every time.

instabus makes even more complex demands quite simple. If, for example, you want a non-dazzle environment, you can control it via a light sensor, which ensures that the blinds or awnings are put in place automatically whenever the sun makes it necessary.

Light management enables you to reduce your energy costs. After all, you have an intelligent system that notices when there's no one in the room. instabus can then switch off the light by itself.

By contrast, the system switches on the light immediately that someone approaches a movement detector. This is just as practical in protecting you against break-ins as it is helpful when you don't happen to have a hand free.

Finally, you can have the room lighting adjusted individually by the system, depending on the amount of daylight. Thus, without it being obvious, you always have the right degree of lighting in the room, regardless of whether the sun's shining or not.

AN INVITATION TO BURGLARS?

The Berker instabus KNX/EIB system makes it very simple to plan in security from the very outset.

This EIB central alarm system is an intelligent and extremely effective alarm system, integrating all the components of the Berker instabus KNX/EIB and providing maximum security for your home. Sensors such as window and door contacts, broken glass detectors, movement and presence detectors, smoke detectors and even break-in detectors can be connected and ensure perfect protection.

But the Berker instabus KNX/EIB does even more to prevent break-ins actively and passively, whether you're at home or not: the Berker instabus doesn't give burglars the opportunity to notice this.

Using lighting scenarios that change from time to time and making windows and shutters close by themselves, it really looks as though someone's at home. This type of "presence simulation" can't be recognized as such even over longer periods. Irregularly recurring actions in your home ensure that this is the case.

Doesn't it put you at ease, knowing that your home's big enough to look after itself?

BERKER SECURITY

is the switch that handles a number of things at one when you leave your home: switching off the light, closing the roller blinds and checking the window contacts.

SECURITY BEGINS IN THE MIND

The more secure you build, the more secure you'll feel too. Security will become more and more important in the coming years. After all, it's a matter of protecting things of value in the best possible way. That's why you should plan in the Berker instabus at an early stage. Then you don't have to think about security again.

Integrate window contacts, for example, into the instabus system. The effect: when you close your house door, your home will automatically close the windows. And in the event of an alarm, you're the first to find out about it: simply by a call on your mobile phone. Security begins in the mind. The sooner, the better.



DOES YOUR HOME ANSWER THE PHONE?

A close-up, over-the-shoulder shot of a man with dark hair and glasses, wearing a white and orange striped shirt. He is looking down at a silver mobile phone held in his hands. The background is blurred, showing what appears to be a kitchen or laundry room environment.

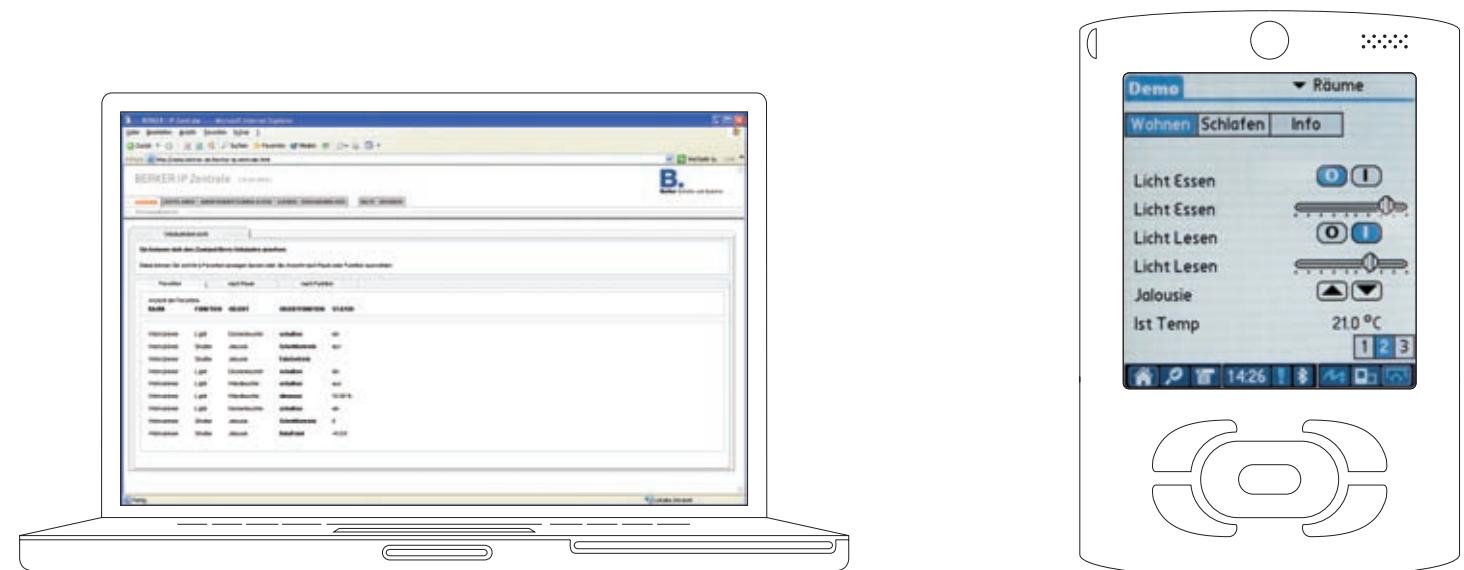
In principle, the Berker instabus KNX/EIB makes any electrical socket a point of contact for you. You don't know whether the iron's still on? Just phone your home and switch the socket off.

Using the phone, you can check everything remotely and at any time correct anything that you forgot in the morning rush. Of course, your call's coded so that only you have access to this system.

The Berker instabus simply makes your home secure. If the freezer stops working, the alarm system's triggered. Or if the washing machine runs over, Berker instabus KNX/EIB alarms can send freely definable clear text messages to any telephone connections, for example, your mobile phone or a security service.

It's now easy for you to use a user-friendly Windows interface to control and monitor the wide range of EIB functions via the internet. It doesn't matter whether you want to control your heating at home from your PC or whether you want to see from your office whether all your windows are closed at home. Using the IP Gateway, you can reach and control your home via the internet, with just a few clicks of the mouse.

A PALM or Tablet PC can make life even easier for you. You use Berker Bluetooth Gateway or the internet to control all room-related functions via central IP management and WLAN. For example, you thus no longer have to stand up in the living room: a touch of a key or a click of the mouse is enough to set the light scenario or temperature that you wanted.



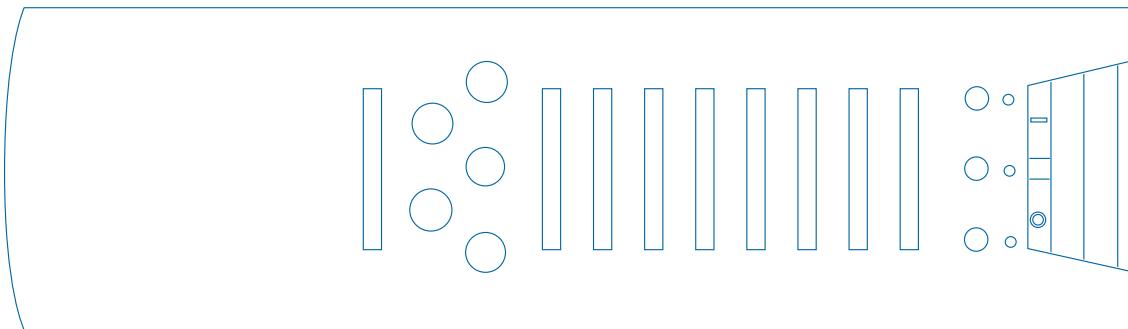
BERKER SIMPLICITY

is also exemplified in the IR Gateway, which you can use to operate your stereo system in the living room via your infrared remote control when, for example, you're in the kitchen.

THE BUS FOR TRAVELLING THROUGH WALLS?

Do you want to make things a little easier? Then integrate the Berker wireless bus into your instabus system and take matters in hand.

You can operate your home very easily by remote control. The wireless bus hand-held transmitter connects you with the receiver wherever you are in your home. It doesn't matter if it's the blinds, lighting or heating: a press of a button's enough. The signal even travels through walls for you.





COMPLETELY NETWORKED WITHOUT CABLES

The Berker wireless bus is the ideal choice if you don't want to install any new cables or if you're thinking of equipping your home with an extra level of convenience. This is because the wireless bus series transmitter and receiver are connected without cables by way of a radio signal.

They operate using batteries and are simply bonded or screwed onto the wall. This enables you, for example, to mount an external monitor to the wall of your home with hardly any labour. It's really quite simple: with little effort on your part, you achieve a much greater degree of convenience.

ISN'T THIS MUCH TOO COMPLICATED?

Not at all! The Berker instabus KNX/EIB makes everything much simpler. And more efficient. Just think how much you could save if your system heating individually controlled the temperature in every room.

Or because the light in your living room can be switched centrally when everyone's in bed. Or imagine how good you'd feel on holiday if you could check at any time by making a phone call that everything was as it should be.



BERKER SECURITY

Just one touch of a button enables you to switch on the light throughout your home. For example, when you hear a noise at night. Good for your security, bad for unwelcome guests.

BERKER AIR-CONDITIONING

Any heating system becomes more effective if it is connected with doors and windows via a contact. Because this makes it able to sense whether windows or doors have been left open. And can then turn itself down.

BERKER CONVENIENCE

The information display enables you to operate and check the entire system quite easily. From one location, by touching just a few buttons. And of course, with clear and easily understandable menu guidance.

Experience shows that no one who's lived in a house that has instabus installed wants to live without it any more. And in more and more homes, there's no need to miss it either. Because instabus is the technology of the future.

This brochure's already shown you how simple everything in your home can be. Your electrical planner or installer will explain to you how simple it is for everything to be installed. Start thinking of instabus right away. Then there are a lot of things that you don't have to think about later.



BERKER SIMPLICITY

Simple, clear and easy to understand: the information display is one of several possibilities of making controlling your home as straightforward as possible. So that you can start concentrating on the important things in life.

BERKER ENVIRONMENT FRIENDLINESS

The intelligent connection of temperature sensors, contact sensors and drives means that your home responds itself to a great variety of weather conditions. It governs your heating system exactly according to requirements, saving you time and money. And one side effect is that you're helping the environment.

BERKER ATMOSPHERE

There's the right lighting for every atmosphere. Simply store the perfect combination for eating, working and watching television. And just touch a button to call up this lighting scenario.

WHICH DESIGN WOULD YOU LIKE?



With the Berker EIB push-buttons you control the room-oriented functions of the instabus KNX/EIB-Systems only from one control-section. The push-buttons are available in a wide variety of forms, colours and materials, each in variants suitable for up to 5 functions. This allows them to blend in perfectly with nearly all the Berker design lines. With such a great selection, we have something that will certainly match your taste also.



S.1 Push-button 1gang
white glossy



S.1 Push-button 2gang
polar white glossy



B.1 Push-button 3gang
polar white mat



K.1 Push-button 3gang
with room thermostat
and display, polar white
glossy



K.5 Push-button 3gang
with room thermostat and
display, stainless steel



B.3 Push-button 4gang
alu/polar white



B.7 Glas Push-button
5gang with room
thermostat and display,
glass/polar white

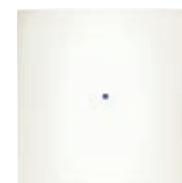
DO SWITCHES HAVE TO LOOK LIKE SWITCHES?



The Berker B.IQ gets by with no frame at all. With its puristic aesthetic, which has already won numerous international awards, you have a choice of three material variants: glass, plastic or stainless steel. Depending on the version, the Berker B.IQ offers a large number of functions in a minimum of space, and can display the most important information as desired. You will experience it yourself: Less is more.



Push-button 1gang
glass, glossy



Push-button 1gang
plastic, polar white



Push-button 1gang
stainless steel,
brushed



Push-button 2gang
stainless steel,
brushed



Push-button 3gang
with display,
stainless steel,
brushed



Push-button 4gang
with display,
stainless steel,
brushed



Push-button 5gang
with display,
stainless steel,
brushed



Designpreis der
Bundesrepublik
Deutschland
Nominiert 2004



HOW DOES THE CLEAREST FORM OF SWITCHING LOOK?



The members of the Berker TS design family are convincing by their clear contours and a minimalist, flat surface made of metal or glass. When it comes to operation, however, they set different accents.

The Berker TS works with push-button switches and brings with this each function "to the point". The clarity of the form language makes it elegant and timeless.

With the Berker TS Sensor, on the other hand, switching becomes a completely new experience: A gentle touch on the completely flat glass surface is all it

takes to operate the desired functions. Furthermore it can be installed practically flush with the wall and becomes thereby an extremely reduced operating element. Another unusual feature is the TS Sensor's labelling: The glass surface can be labelled uniquely on the back, where the labelling is ideally protected against dirt and abrasion.

Whether push-button switch or sensor surface: In the Berker TS family you will find trend-setting design which is a perfect match for the simple operation of the instabus KNX/EIB.



Berker TS in stainless steel and glass (also available with facet)



The basic model of the Berker TS Sensor is available as stock articles in polar white, black and aluminium



WHAT YOU SEE IS WHAT YOU SWITCH

The MT 701 ct is both at the same time: A display element and an operating element. The colour display can depict images, graphics and texts as desired, and at the same time serves as a sensor surface that can be operated directly with a finger.

- intuitive touch panel operation (without buttons)
- large, high-contrast colour screen
- freely configurable display

For example, you can have a picture of the room displayed in the background, for which the settings are to be made. Or select a screen background in the same colour as the wall – for a particularly unobtrusive appearance. And even the displayed buttons can be labelled and designed however you like. An ideal combination of comfort, design and function.



MT 701 ct with colour 5,7" touch panel



BERKER – THE RIGHT WAY.

Do you know how to design rooms with exceptional ease and with a more individual style? At Berker we have been working on that since 1919 – and we have found some highly attractive answers.

Berker switches and systems are in use all over the world, making life more beautiful, easier and more comfortable. We place the utmost emphasis on quality, design and innovation. This is confirmed by the numerous awards we have received both at home and abroad.

Berker is a leading supplier of high-quality electrical installations – from timelessly classic switch design through to intelligent building management systems. All new developments are created with just one thing in mind: the satisfaction of our customers. After all, we want you to feel at home with our products for decades to come.

Don't just let your life be guided by taste, but also by state-of-the-art technology, with Berker - the right way.



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