

merten

INTELLIGENT SOLUTIONS FOR OFFICE BUILDINGS

WORKING MADE EASY



INTELLIGENT MERTEN SOLUTIONS COMPLETE SATISFACTION GUARANTEED



Anyone planning to build or renovate an office building will be faced with the same old questions: Can I achieve long-term savings of energy costs? Can I secure the building against break-ins? How can I save time and expense if the building needs to be converted later for a different use? And how does comfort fit into all of this? Intelligent building technology from Merten provides the answers.

For many years, Merten has been internationally renowned for its superior technology, design and consulting expertise. In addition to a wide variety of switch ranges and innovative products covering all aspects of KNX and security, Merten is also an outstanding provider of complete system solutions. Solutions tailored specifically to the needs and demands of office complexes.

Some examples:

- Convenient, design-oriented product solutions for every type of room
- Innovative, high-performance control technology for seminar and conference areas
- Merten KNX for the control of all building functions

And if you have a very special request, we are always happy to adapt our products to your individual needs. After all, Merten's project managers feel right at home wherever their many years of international experience can be put to the most challenging use.



LIGHTING CONTROL THAT MEETS YOUR NEEDS LEAVE NOTHING TO CHANCE



Examples chosen to reflect actual scenarios show you how Merten's intelligent technology helps you adapt lighting to suit

your own particular requirements. Not forgetting the chance to save energy and improve security as well.

Get your costs under control - with the Merten multi-function push-button with IR receiver



Push-button 4-gang with IR receiver, M-PLAN, aluminium

Intelligent technology from Merten promotes safety and security, for example when it comes to fire prevention. But it also helps keep your operating costs to a minimum. For example, just press the "Central OFF" button and your intelligent Merten office will ensure that the lights switch off automatically after a short period of time. And that the power will be switched off for all socket-outlets which are connected to devices such as photocopiers and kettles. And the heating, as well. And that

the blinds are raised automatically – important for the appearance of your offices, and to protect the blinds themselves from storm damage.

Of course, each function can be activated individually as well, by push-button or by remote control.

The Merten LED light signal shows the way



Merten LED light signal, M-PLAN, aluminium

Which way to the conference room? To the lift? To the WC? Merten LED light signals provide clear and instructive answers to these questions. They don't just look good, they are also

difficult to overlook thanks to the display window, which is backlit with LEDs. This means that the signs get noticed both day and night.

LIGHTING CONTROL THAT MEETS YOUR NEEDS BRIGHT IDEAS FOR GREATER SECURITY AND EFFICIENCY



Office life presents a whole host of very different challenges, not only for those who work there but also for the building lighting – at reception, in the corridors and in the offices themselves. Merten's intelligent technology not only allows you

to flexibly adjust lighting to your individual requirements – it can also have a positive influence on your energy bill and your safety and security.

Use movement to control lighting – with Merten indoor and outdoor movement detectors



Merten indoor movement detector, M-PLAN, aluminium



Merten outdoor movement detector, aluminium

With Merten indoor movement detectors, the lighting in corridors, stairwells, offices, toilets, basement access steps or seldom-used rooms can be switched on as it is needed. As soon as someone enters, and not before, the light is switched on – automatically, conveniently and energy saving. A positive side effect of the higher installation position of the ARGUS 180/2.20 m flush-mounted is that it offers the best possible protection against damage. And if you want to install Merten indoor movement detectors in damp rooms, basements or

outdoors, that's no problem either. The waterproof ARGUS 180 flush-mounted AQUADESIGN is specially designed for these applications.

Outdoor movement detectors from Merten are also ideally suited for the all-round surveillance of your office building. They ensure there is sufficient lighting in areas far from a light switch. They also put uninvited guests into the spotlight – whether they want to be or not.

Save up to 30% on heating and electricity costs with Merten presence detectors



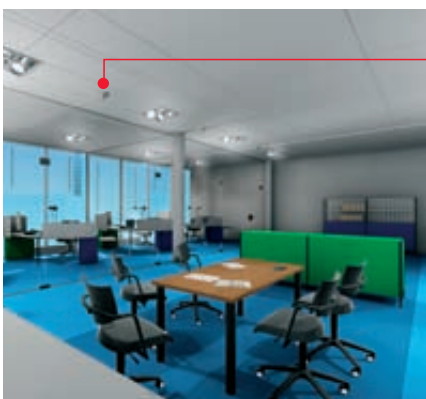
Merten presence detector,
polar white

With Merten presence detectors, you can save up to 30% on your heating and electricity costs. The lighting only switches on when the presence detectors installed in the corridors and offices detect that someone is in the vicinity. The lighting then switches off again when not required. If the lighting can be dimmed, it will be automatically adjusted to the external brightness. Even long corridors can be monitored throughout. You can of course manually switch the lighting on and off at any time using a push-button.

Potential energy savings can be exploited even further when the heating is integrated into the same system. For example, the heating can be turned down automatically to night economy if the presence detector does not report any movement.

In addition, the sleekly designed presence detectors also function as alarm units at night to increase the security of your office building. If they detect a movement, an alarm signal will be sent to the gate keeper, for example.

Intelligent lighting – with Merten KNX presence detectors



Merten KNX presence detector,
aluminium



Merten KNX presence detector
flush-mounted, M-PLAN,
aluminium

The Merten KNX presence detector makes it possible to light specific areas in large offices with its four sensor ranges. Different functions such as heating or blinds can be controlled via five channels. If movement is detected in area A, only the copier lighting, for example, is switched on. If movement is detected in all four areas, the entire room is lit up.

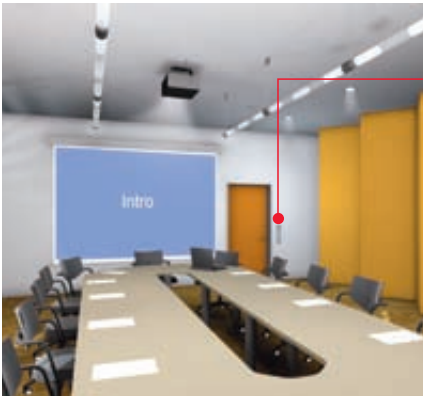
If ceiling mounting is not possible the KNX ARGUS presence detector 180/2.20 m flush-mounted with two sensor ranges can be used.

INTELLIGENT CONFERENCE ROOM TECHNOLOGY IMPRESS AT THE PUSH OF A BUTTON

Relax – in future, presentations in your conference room are going to be that bit easier to handle. From a technical point of view at any rate. Instead of running around pressing buttons

before the start of your presentation, an intelligent conference room lets you control everything conveniently from a central switch unit. And that with just one touch of a button.

Perfect presentation – with the multi-function push-button with room temperature control unit



ARTEC 4-gang multi-function push-button with room temperature control unit, aluminium

Before you begin your presentation, you can ensure that everything is in place by activating the “Presentation” scene. The screen moves automatically into position. The projector switches itself on. The blinds are lowered. The light is dimmed. The integrated room temperature control unit ensures that the temperature is pleasant. In this way every kind of office can be individually and conveniently heated or cooled as needed. And also with precision, thanks to a time control function.

All display functions can be controlled simply and conveniently using the flip-up display cover. The multi-function push-button with room temperature control unit comes with an integrated IR receiver for convenient control via remote control and piezoelectric buzzers to report faults and malfunctions.

Additional designs:



ARTEC, 2-gang, aluminium



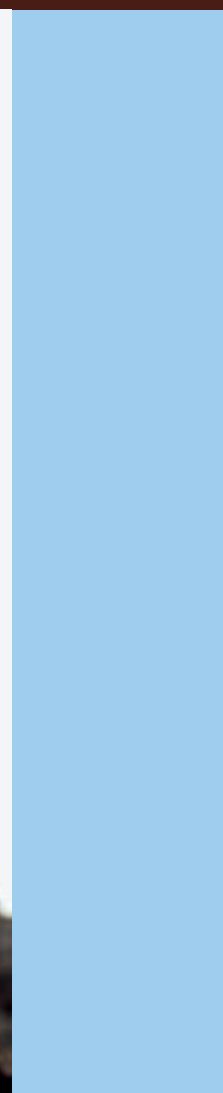
ARTEC, 4-gang, polar white



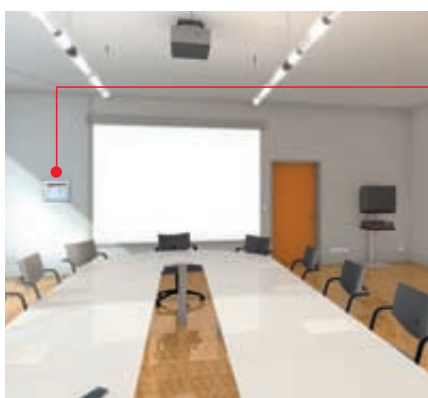
M-SMART, 2-gang, bright polar white



M-PLAN, 4-gang, aluminium



Intuitive operation – with the IP touch Panel 10"



Merten IP touch panel 10", M-PLAN glass design

You can intuitively and conveniently control lighting or blinds in large offices and conference rooms via the IP touch panel. This is enabled by the TP VISU software which clearly presents the control elements. This means looking for the right switch is a thing of the past. By setting up specific scenes, such as

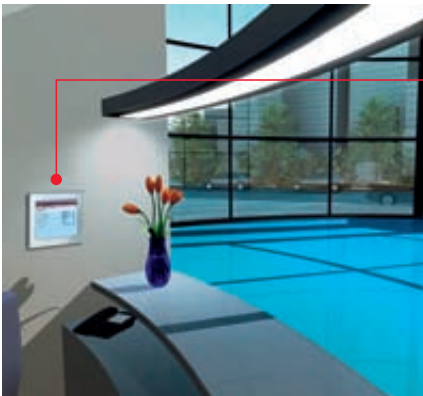
“Presentation” everything your require is set up with a single command and you can start your presentation straight away.

ALL-ROUND FACILITY MANAGEMENT

KEEP YOUR CONTROLLERS HAPPY

If you want to keep your energy costs under control, you don't necessarily have to employ another controller. KNX can do the job just as easily. It provides you with direct access to a whole array of functions which are normally controlled, monitored and operated decentrally and separately from one another. A bus line connects the various utilities in your office building. In this way, information can be exchanged for all building functions.

Control building functions centrally – with the Merten IP touch panel 10"

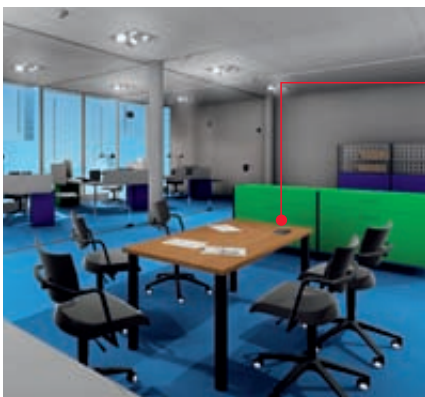


Merten IP touch panel 10", M-PLAN glass design

Want to check the occupancy of conference rooms from reception? Or control lighting and blinds from the same place? Perhaps view statuses and readings? Change set values? Set scenes or list group signals? No problem.

The KNX gives you access to all of your building technology, presented via the Merten IP touch panel 10". The gate keeper can see at a glance if people are still in the building in the evening or if the windows are open.

MERTEN CONNECT RADIO SYSTEM FLEXIBLE AND ADAPTABLE



CONNECT radio push-button,
M-PLAN, aluminium



CONNECT radio push-button,
2-gang, M-PLAN, aluminium

Companies are constantly in flux. Take reorganisation as an example: an open-plan office is to be created from many smaller offices. This change in the use of a building would previously have required significant expenditure of time and money to adapt the electrical installations accordingly. But there is another solution. It's cheaper and more flexible. Intelligent building system technology from Merten lets you

modify or expand functions at any time. Instead of running from your desk to the light switch at the door, in an intelligent office from Merten you can control the lighting just as required, conveniently and wirelessly from your desk. All you need for this is the Merten CONNECT radio system.

SWITCH RANGES

MERTEN DESIGN – AS VERSATILE AS YOUR COMPANY

No matter what your office building is like, Merten has a switch range to go with it. Classic, modern, exclusive – whatever you need, for wherever you need it, indoors, outdoors, or in damp rooms. To ensure your electrical installations have a uniform appearance, all our switch ranges cover a large spectrum of individual appliances and functions.

Best of all: if you want to change the design of your switches – because of modernisation, for example – it's easy to match the new frames and rockers with the existing flush-mounted inserts.

SYSTEM DESIGN

ARTEC



Polar white



Light grey



Aluminium



Stainless steel



Black grey

ANTIK



Polar white



White



Dark brazil



Antique brass



Polished brass/polar white

TRANCENT



Satinated



Transparent



TRANCENT aluminium frame/
ARTEC aluminium rocker

SPECIAL FLUSH-MOUNTED RANGE

AQUADESIGN



Polar white



White



Aluminium



Anthracite



Dark brazil



SYSTEM M

M-SMART



Polar white,
Thermoplastic brilliant



Active White,
Thermoplastic brilliant



Polar white,
Thermoplastic classymatt



Polar white,
Duroplastic extra scratch-proof



White,
Thermoplastic classymatt

M-ARC



Polar white



Aluminium



Anthracite



Sand/polar white



Midnight blue/aluminium

M-PLAN/M-PLAN II



Polar white



Aluminium



Anthracite



Aluminium/anthracite



Polar white/aluminium

M-PLAN glass



Diamond silver/polar white



Brilliant white/polar white



Onyx black/polar white



Mahogany brown/polar white



Ruby red/aluminium

M-STAR



Chrome/polar white



Chrome/anthracite



Satin silver/anthracite



Polished brass/polar white



Polished brass/white

Other attractive colour combinations are possible.

SWITCH RANGES WITH DEPTH BECAUSE GOOD CONNECTIONS ARE EVERYTHING



All our switch ranges cover a multitude of functions. From light switches and blind push-buttons to inserts for connecting telephones, computers and other communication technology, and not forgetting frames with labelling option and overvoltage socket-outlets.

M-PLAN is presented here as just one example of the wide variety of tasks and functions that our switch ranges are able to take on. Naturally, all Merten switch ranges are available with this variety of functions. And if you have a very special request, we are always happy to adapt our products to your individual needs.

**M-PLAN AS AN EXAMPLE OF THE SWITCH DESIGN RANGE
(APPROXIMATELY 210 DIFFERENT FUNCTIONS AVAILABLE)**



REFERENCES

HIGHLY RECOMMENDED



Bertelsmann Stiftung, Berlin
Photo: Rainer Mader

The world is getting smaller. And intelligent building system technology is winning over offices throughout the global village. So don't be surprised if you keep coming face to face with Merten. After all, solutions for intelligent buildings know no boundaries.

Our references:

- Office building of Dresdner Bank, Frankfurt, Germany
- Formula 1 racing track, Shanghai, China
- Exxon, Singapore
- Cologne Tower in Mediapark, Cologne, Germany
- Administrative headquarters of Bayer AG, Leverkusen, Germany
- Schattdecor, Rosenheim, Germany
- IG Metall, Frankfurt, Germany
- Mainterrassen, Frankfurt, Germany
- Volvo Cars, Ghent, Belgium
- Spreespeicher, Berlin, Germany
- Deichtorcenter, Hamburg, Germany
- Oval Office, Hamburg, Germany
- German Bishops' Conference, Bonn, Germany
- Bertelsmann Stiftung, Berlin, Germany
- Raffay VW car dealership, Hamburg, Germany
- Hitachi Power Office, Duisburg, Germany
- Deutsche Ausgleichsbank, Bonn, Germany
- Federal Office for the Protection of the Constitution, Berlin, Germany
- Europa Center, Berlin, Germany
- Headquarters of Verdi, Berlin, Germany
- Media Docks, Lübeck, Germany
- Unicom II, Bremen, Germany
- MEAG City Nord, Hamburg, Germany
- Alsterterrassen, Hamburg, Germany
- Mushwell Hill No. 8, Singapore
- Quartier 110, Berlin, Germany
- Falkenried, Hamburg, Germany

MERTEN FREE CD AN INTELLIGENT OFFICE IS JUST ONE CLICK AWAY



We are sure you have gained a first impression of the possibilities that Merten's innovative building system technology has to offer. You can get a second – multimedia – impression from the free Merten multimedia CD-ROM. With more examples of how the technology can be used in day-to-day office life, you can find out more about Merten's switch ranges as well as all you need to know about KNX.

Pay a visit to the virtual Merten office and discover how your office can also become more efficient, more comfortable and more secure with Merten's intelligent building system technology. Our internationally experienced project leaders are available to give you more information or to arrange a personal consultation.



Free: You can either order the Merten CD at www.mymerten.com or access it directly under the same link.



Clear, practical and informative – the Merten Multimedia CD-ROM, with examples reflecting day-to-day office life, shows

you all you need to know about KNX, and features an interactive product guide and much more.

merten

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