

merten

INTELLIGENT SOLUTIONS FOR HOTELS

FIVE STARS FOR EFFICIENCY, COMFORT AND DESIGN



INTELLIGENT MERTEN SOLUTIONS CHECK-IN FOR YOUR NEEDS



Running a hotel successfully is a demanding task. At the end of the day, your guests expect friendly service and a high standard of comfort, and both at a reasonable price.

Wouldn't it be nice if some things could run automatically in the future? With intelligent building technology, they will. Regardless of whether it's a matter of lighting, blinds, heating, building management, interfacing to property management systems, new extensions or renovations.

For many years, Merten has been internationally renowned for its superior technology, design and consulting expertise. As well as 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 hotels.

Some examples:

- Convenient, design-oriented product solutions for hotel rooms
- Innovative, high-performance control technology for seminar and conference areas
- Merten KNX for the control of all building functions
- Complete, sophisticated electrical installation systems, from the underground car park through to the kitchens and the hotel suite

Any special requests? We would be happy to customise our products to your individual needs.

Wherever you check in, our many years of international experience means that our project management can meet all your needs, anywhere.

INDIVIDUAL SOLUTIONS FOR HOTEL ROOMS

ARRIVAL MADE EASY

In a hotel, it's the small things that make for perfect service. For example, when your guests don't have to get out of bed in order to switch off all the lights, or to control the air conditioning.

We have developed special products for hotel rooms, adapted to our System M switch range. Here are a few examples.

Signs say more than a thousand words – LED light signals from Merten



Access control and LED light signal, aluminium, M-PLAN design



LED light signal and switch, 2-gang, aluminium, M-PLAN design



Card switch and rocker for two-circuit switches with imprint, 2-gang, aluminium, M-PLAN design

Merten LED light signals let your guests make their wishes known to hotel staff more quickly, simply and conveniently. Maybe your guests do not wish to be disturbed. Or perhaps they want the room to be tidied. No problem. All your guests have to do is push a single button in the hotel room. From the LED display in front of the room, the staff see straight away

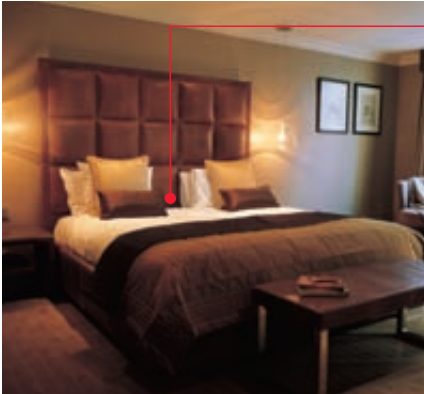
what your guests want. Just as practical when it comes to opening the hotel room conveniently and safely: the combination of the LED light signal with the non-contact access control (Dialock system from Häfele).

INDIVIDUAL SOLUTIONS FOR HOTEL ROOMS
UNPACK AND MAKE YOURSELF AT HOME





Dream-like comfort – the Merten Bed Side Panel



Bed Side Panel, type A, aluminium, M-PLAN design

Do you want your hotel to be an oasis of comfort for your guests? Then why not spoil them at every opportunity. With the comfort offered by the Merten Bed Side Panel, for instance. With this central control unit, your guests can control all room functions

remotely from their bed: lighting, air conditioning, ventilation, curtains, service, wake-up function or central ON/OFF. The Merten Bed Side Panel comes in both built-in and table-top versions.



Bed Side Panel, type B, aluminium, M-PLAN design



Bed Side Panel, type C, aluminium, M-PLAN design

The Merten Bed Side Panel comes in three versions, with different features. Every version offers the convenience of dimmable lighting, a clock with alarm function and a “Do Not Disturb” function - all of which can be operated from the comfort of your bed. The types A and B also have integrated automatic heating and air conditioning (fan coil). On top of all these convenient features, the Bed Side Panel also helps you keep costs down, thanks to occupancy detection and efficient energy management.

Experience the Merten Bed Side Panel and all it has to offer on the Internet as well: www.bedsidepanel.com



INDIVIDUAL SOLUTIONS FOR HOTEL ROOMS

FEEL AT HOME

Connecting the world: the Merten universal socket-outlet



Universal socket-outlet, aluminium,
M-PLAN design*

One adapter for England? Another for America? Another for China? Merten makes it simpler. The universal socket-outlet takes any plugs. From now on, your guests can leave their adapter at home.

For the perfect appearance – the Merten shaver socket-outlet



Shaver socket-outlet, aluminium,
M-PLAN design

Just as a serviette should match the tablecloth in the dining room, a shaver socket-outlet in the bathroom should match the other switch-outlets. That is the consistency of style that guests expect from a truly first-class hotel.

*This article may not be installed in some countries.

LIGHTING CONTROL THAT MEETS YOUR NEEDS AS VARIED AS DAY-TO-DAY LIFE IN A HOTEL



Everyday life in a hotel is varied, and so is the type of lighting needed - particularly outdoors, in the foyer and in the corridors. To make a positive impact on the amount of energy you use,

you can flexibly adapt the hotel lighting to meet your needs using intelligent technology from Merten.

Save up to 70% on electricity with Merten presence detectors



ARGUS presence detector,
polar white

Do you know how many lamps and lights are switched on day in, day out in your hotel? And left on for hours on end and sometimes overnight? Take the opportunity to allow your lights to be switched on and off using Merten movement- and brightness-dependent presence detectors. The lighting only switches on when the presence detectors installed in the

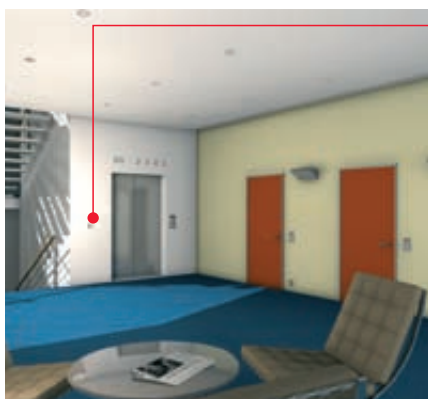
corridors of your hotel report the presence of your guests. The lighting then switches off again when required. In this way, even long corridors can be monitored without interruption, and their lighting can be intelligently controlled. These attractive presence detectors can reduce your electricity costs by up to 70%.

LIGHTING CONTROL THAT MEETS YOUR NEEDS PRESENTED IN THE RIGHT LIGHT



Radisson Edwardian, London

Control your lighting according to your needs with ARGUS indoor movement detectors



ARGUS indoor movement detector,
aluminium, M-PLAN design

Gone are the days when your guests have to search for the light switch in the dark, or when the lights are permanently on. So that your guests always find their way, lights in corridors and staircases can also be controlled as needed using Merten indoor movement detectors. As soon as someone

enters the corridor or staircase the light is automatically switched on – convenient and energy-saving!



Individual, time-based lighting control



Multi-function push-button with IR receiver, aluminium, M-PLAN design

Do you want your entrance area, foyer, reception and restaurant to have the right lighting mood at all times? Whether it is Monday, Wednesday or Sunday? All this is child's play with the intelligent Merten multi-function push-button. You can save lightscenes and activate them at the touch of a button.

Or maybe you would like the outdoor lighting and car park lighting to switch on automatically in the evening. That's a job for the Merten time switch. So your guests will never have to fumble around in the dark.

Showing the way: the LED light signal



LED light signal, aluminium, M-PLAN design

Which way to the conference room? Where's the lift? And the WC? Merten LED light signals can answer these questions clearly and visually. They don't just look good, they are also difficult to overlook thanks to the display window, which is

backlit with LEDs. The illumination means that the signs get noticed both day and night.

INDIVIDUAL CONFERENCE ROOM TECHNOLOGY READY FOR PRESENTATION AT THE TOUCH OF A BUTTON



Does your hotel host conferences and seminars? Why not offer your guests something they will particularly appreciate: convenient technology from Merten. Technology that allows the speaker to concentrate on what is important: the audience and the content of the presentation.

Instead of having to run around pressing switches before the start of the presentation, the speaker can control everything comfortably and centrally from a single switch unit.

Perfectly presented – with the PLANTEC multi-function control unit



PLANTEC control and display unit



PLANTEC multi-function push-button with room temperature control unit

By activating the “Presentation” scene, your guests automatically set off a series of actions: The screen moves automatically into position. The projector switches itself on. The blinds are lowered. The ventilation system ensures pleasant air conditioning. And last but not least, the lights are dimmed.

Whether you set up the presentation room with the touch of a single button, or whether you activate each function individually by using the buttons or the display, Merten’s convenient control unit is sure to meet all requirements.



Knowing how to present itself – the multi-function push-button with room temperature control unit

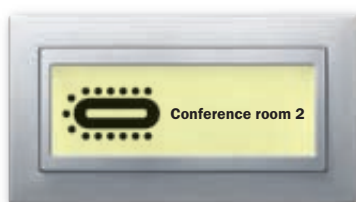


Multi-function push-button room temperature control unit, 4-gang, aluminium, ARTEC design

With the convenience it offers for controlling lighting, light-scenes, blinds and heating, the Merten multi-function push-button with room temperature control unit is a popular guest in any hotel, and not only in the conference rooms. The integrated room temperature control unit allows rooms to 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 piezo-electric buzzers to report faults and malfunctions. Five stars for flexibility.

Everything in its place – with the Merten orientation sign



Orientation sign, aluminium, M-PLAN design

Looking for the right conference room? With a Merten orientation sign in front of conference rooms and other rooms, your guests are never left guessing what's behind a door. The illuminated

version guarantees optimum legibility. Day or night. For an unmistakable and consistent look for your hotel.

ALL-ROUND FACILITY MANAGEMENT EFFICIENCY TO ORDER



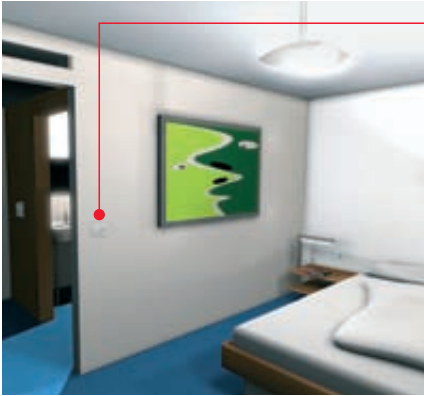
The hotel pool heated to 28 degrees, the banquet festively lit or the conference room pleasantly air conditioned. Your guests may take these things for granted but they're a challenge for any hotel. Particularly if you want to clearly control and operate the increasing number of different building functions from a central location.

Until now, many functions could only be controlled separately and decentrally. Merten's building management system KNX puts you in control, offering you an all-in-one solution.

KNX connects all areas of your hotel using an intelligent bus line. In this way, information can be exchanged for all building functions.

The great advantage is that you can control a multitude of building functions centrally. A milestone in the progress of technology towards convenient, secure and efficient facility management.

Relax & feel good – the Merten room controller



Room controller, aluminium, M-PLAN design

Control the hotel room climate using the room controller – simply, precisely and cost-effectively. Thanks to the fan coil controller, central heating and cooling technology can be

easily and fully integrated into Merten's intelligent building system technology, KNX.

Building management via PC with Merten visualisation software



Merten visualisation software

The KNX functions are also available on your PC using visualisation software. This means that lighting and blind control, heating, air conditioning and ventilation systems, and surveillance and signalling systems can all be comfortably integrated and centrally controlled and monitored – even remotely via the Internet.

Merten program modules provide you with turnkey functions. For processing and forwarding fault messages or for time and energy management, for example.

An example: At times of intense activity in your hotel, at midday for example, the peak values agreed upon with your energy provider are quickly exceeded. And that can become expensive. But it doesn't have to. Use the Merten visualisation software to include energy-intensive loads in the monitoring of your load management. In this way, a load peak in the main kitchen can be compensated by shutting down other loads on a short-term basis.

SWITCH RANGES

MERTEN DESIGN – STYLISH, EXCLUSIVE AND VARIED

No matter what atmosphere characterises your hotel, Merten switch ranges come in a great variety of designs. Some classic, some modern, some exclusive. So that your electrical installations also form a visually coherent whole, with user interfaces matching elements such as the socket-outlets and antenna socket-outlets, our switch ranges offer many types to choose from. Just about everything your hotelier's heart desires, not to mention satisfying the discerning eye of your guests.

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

Special requests? No problem. We would be happy to customise our products to your individual needs.

SYSTEM DESIGN

ARTEC



Polar white



Light grey



Aluminium



Stainless steel



Black grey

ANTIK



Polar white



White



Dark brazil



Antique brass



Polished brass/polar white

TRACENT



Saturated



Transparent



TRACENT aluminium frame/
ARTEC aluminium rocker



SYSTEM M

M-SMART



Polar white
Thermoplastic classy matt



Polar white/anthracite
Thermoplastic classy matt



White
Duroplastic glossy



Polar white
Duroplastic glossy



Active white
Thermoplastic brilliant glossy

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 real glass



Diamond/polar white



Diamond/aluminium



Mahogany/polar white



Sapphire/anthracite



Ruby/aluminium

M-STAR



Chrome/polar white



Chrome/anthracite



Satin silver/anthracite



Polished brass/polar white



Polished brass/white

Other attractive colour combinations are possible.

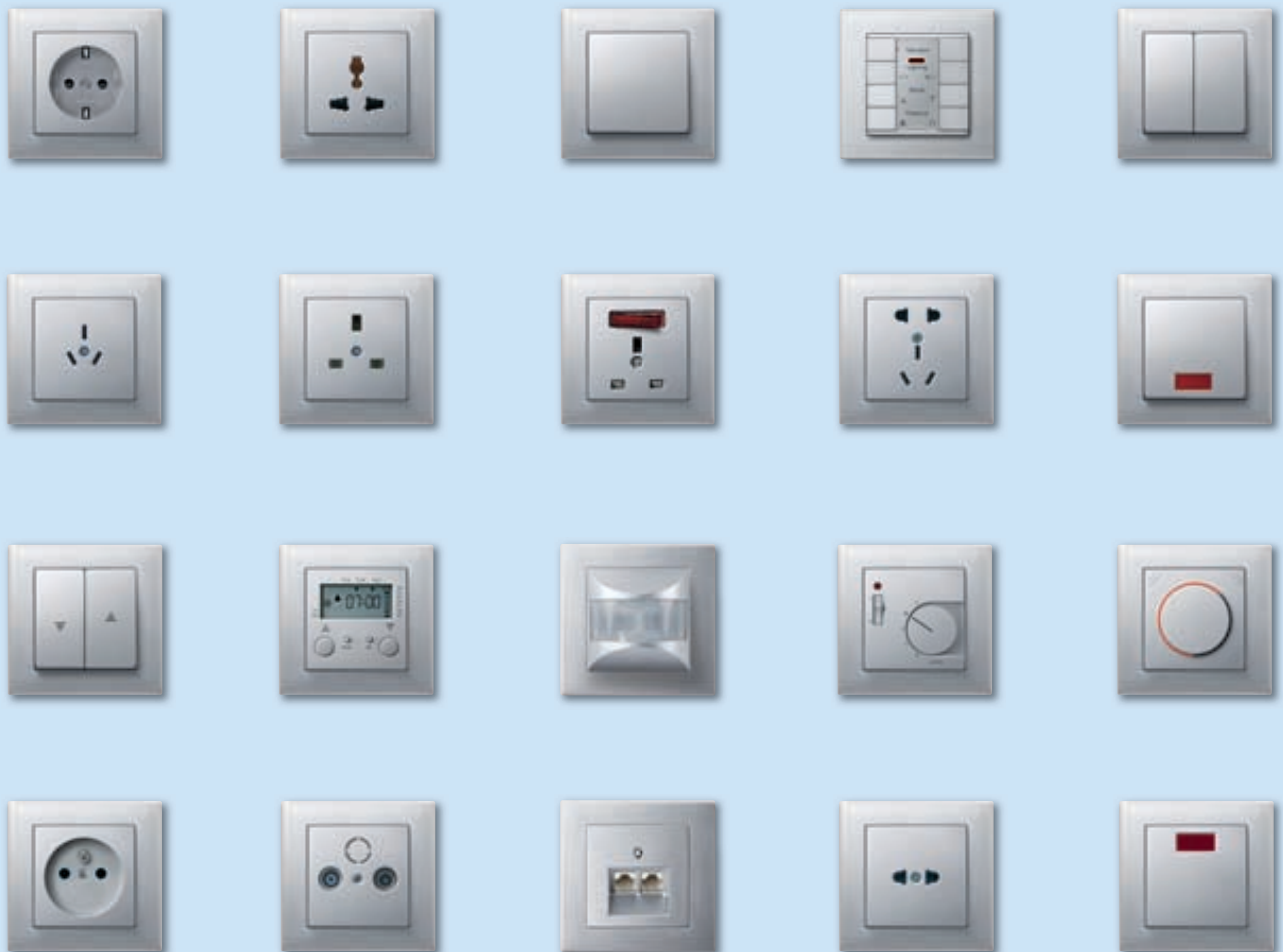
**A RANGE OF SWITCHES WITH THE RIGHT PRODUCT DEPTH
SYSTEMATIC RIGHT DOWN TO THE LAST DETAIL**



Whether in the restaurant or the hotel room. Controlling blinds, connecting the TV or radio – Merten switch ranges have a lot to offer. M-PLAN is presented here as just one example of the wide variety of tasks and functions that our switch ranges are able to provide. Naturally, all Merten switch ranges are available with this variety of functions.

Special requests? No problem. We would be happy to customise our products to your individual needs.

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



REFERENCES

GRAND HYATT SINGAPORE



In the course of an extensive renovation of the Grand Hyatt in Singapore, the entire lighting control system was replaced as well. The switch range selected was the attractive aluminium version of M-PLAN. It is wholly in keeping with the exclusive atmosphere of this hotel in the heart of Singapore's commercial district.



M-PLAN

REFERENCES

RADISSON EDWARDIAN LONDON



Opened in 1927, this London hotel was given a 40 million pound makeover in 2005. During this renovation, Merten's high-quality switch range M-PLAN, in the aluminium finish, was installed in 480 rooms.



M-PLAN

REFERENCES

DOM AQUAREE/RADISSON SAS BERLIN GERMANY



Designed by the architects nps tchoban voss, a new hotel building was created for Radisson SAS at the historical address “Unter den Linden” in Berlin. Merten created a comprehensive KNX solution for the conference rooms, leisure facilities, restaurants, presidential suite and underground car park. This is used to control lighting, light-scenes and the automated partition walls. The switch ranges selected (including hotel keycard switches) were the aluminium versions of M-SMART and M-PLAN.



M-SMART

REFERENCES

THE RITZ-CARLTON BERLIN GERMANY



It is already one of the most exclusive addresses in Berlin: the Ritz-Carlton, designed by the architects Hilmer & Sattler and Albrecht. Merten developed an innovative glass push-button especially for the hotel and in keeping with its exclusive interior. The lightest of touches on the glass surface is enough to switch and dim the lighting and to control blinds and curtains easily. The switch ranges M-SMART and ANTIK were used as well.



Ritz-Carlton glass push-button

REFERENCES

AT HOME ANYWHERE IN THE WORLD



Whether you're in India, Singapore, Germany or Portugal, Merten's intelligent building system technology is a permanent guest at first-class hotels around the globe. Here are a few selected credentials:

- "Best Western Savoy" Düsseldorf, Germany
- "Four Seasons" Mumbai, India
- "Golden Tulip" Hotel Frankfurt, Germany
- "Grand Hyatt", Singapore
- "Howard Johnson Plaza", Shanghai, China
- "Intercontinental" Mumbai, India
- Kempinski "Mall of the Emirates", Dubai
- Kempinski "The Dome" Belek, Turkey
- Kempinski "Grand Hotel" Heiligendamm, Germany
- "Le Meridien" Barcelona, Spain
- "Le Meridien" Lisbon, Portugal
- "Le Meridien" Porto, Portugal
- "Maritim" Hamburg, Germany
- "Mövenpick" Amsterdam, Netherlands
- "Park Hyatt Golf Club", Dubai
- Radisson Edwardian "May Fair" London, Great Britain
- Radisson SAS Hotel Cologne, Germany
- Radisson SAS/Dom Aquaree, Berlin, Germany
- Regent Hotel, Singapore
- "Ritz Carlton" Berlin, Germany
- Schloss Hotel Bensberg, Germany
- "Sol Melia" Hard Rock Hotel Madrid, Spain
- "Walker Hill" Seoul, Korea

MERTEN CD

EXPERIENCE THE INTERACTIVE INTELLIGENT HOTEL

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

Check into the virtual Merten hotel and discover how your hotel can win five stars for efficiency, comfort and security 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.



CD missing? Don't worry.
It is all available online at www.mymerten.com



Clear, practical and informative – the Merten multimedia CD-ROM with examples of application from day-to-day hotel life, all you need to know about KNX, an interactive product guide, and much more...

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Merten GmbH & Co. KG
P.O. Box 100653
D-51606 Gummersbach, Germany
Tel. +49 2261 702-203
Fax +49 2261 702-328
export@merten.de
www.merten.com

