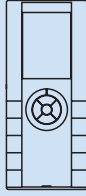

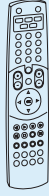










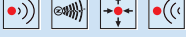


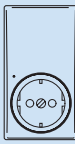

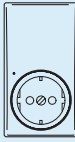







## Radio transmitters

Function	Channels	Transmitter
<ul style="list-style-type: none"> <li>- CONNECT radio system, central control and visualisation</li> <li>- Eight freely programmable operating buttons</li> <li>- Administration of central functions of the radio system (32 scenes, time switch with 20weekly and 12 annual time switch programs, 1 history function)</li> <li>- IP address: adjustable or can be assigned dynamically via DHCP</li> <li>- Integrated web server for PC, touch panel, PDA operation with merten@home</li> <li>- Integrated real-time clock with reserve power of 4 hrs.</li> <li>- Piezo loudspeaker for acoustic alarm</li> <li>- Alarm/message display and additional e-mail forwarding</li> <li>- Signalling when e-mails arrive</li> <li>- Multimedia application: Control of network mp3 players or streaming clients</li> <li>- JPG image slide shows (FTP server on the Internet)</li> <li>- Displaying current news (RSS feeder)</li> <li>- Interface for the Microsoft Multimedia Center edition</li> <li>- Radio range: up to 50 m outdoors, up to 20 m indoors</li> </ul>	<p>8 fixed + 1,000 that are configura- ble via soft- ware</p>	 <p>CONNECT radio central unit, merten@home, colour 5059.. CONNECT radio central unit, merten@home, monochrome 5050..</p> 
<ul style="list-style-type: none"> <li>- Radio remote control and IR remote control of the radio receivers and TV, VCR/DVD, SAT, AMP in the Merten CONNECT radio system.</li> <li>- Update via the Internet</li> <li>- IR functions are programmable via code input or via direct programming</li> <li>- Macro functions</li> <li>- 20 scenes</li> <li>- Radio range: up to 100 m outdoors, up to 30 m indoors</li> <li>- IR range: up to 15 m</li> </ul>	20	 <p>CONNECT radio universal remote control 506922 Battery: 4 microcells (IEC LR 03, AAA)</p>  <p><b>i</b> The device can assume the features and characteristics of a system administrator. As it concerns a mobile device, we recommend that you select a fixed device as system administrator. Instead, use for example a CONNECT radio push-button, 1-gang.</p>
<ul style="list-style-type: none"> <li>- Battery-powered radio transmitter for controlling the Merten CONNECT radio system's radio receiver.</li> <li>- Radio range: up to 100 m outdoors, up to 30 m indoors</li> </ul>	2	 <p>CONNECT radio push-button, 1-gang System M 5061.., 5051.. System Design 5071.. Battery: 1 lithium button cell (CR 2450)</p> 
<ul style="list-style-type: none"> <li>- Battery-powered radio transmitter for controlling the Merten CONNECT radio system's radio receiver.</li> <li>- Radio range: up to 100 m outdoors, up to 30 m indoors</li> </ul>	4	 <p>CONNECT radio push-button, 2-gang System M 5062.., 5052.. System Design 5072.. Battery: 1 lithium button cell (CR 2450)</p> 
<ul style="list-style-type: none"> <li>- Battery-powered radio transmitter for connecting up to 4 floating switch contacts (e.g. standard push-buttons).</li> <li>- For the remote control of other receivers from the Merten CONNECT radio system via push-buttons from the Merten switch ranges.</li> <li>- Automatic recognition of the connected devices, for example sensor, switch or push-button.</li> <li>- Radio range: up to 100 m outdoors, up to 30 m indoors</li> </ul>	4	 <p>CONNECT radio transmitter flush-mounted, 4-gang 506004 Battery: 1 lithium button cell (CR 2450)</p> 
<ul style="list-style-type: none"> <li>- Mains-supplied radio transmitter for controlling the Merten CONNECT radio system's radio receiver.</li> <li>- Radio range: up to 100 m outdoors, up to 30 m indoors</li> </ul> <p>Note: The device is rounded off by the electronic switch insert, art. no. 576799 or the relay switch insert, art. no. 576897.</p>	1	 <p>CONNECT radio sensor cover, for switch inserts System M: 5034.., 5024.. System Design: 5044..</p> 
<ul style="list-style-type: none"> <li>- Mains-supplied radio transmitter for controlling the Merten CONNECT radio system's radio receiver.</li> <li>- Radio range: up to 100 m outdoors, up to 30 m indoors</li> </ul> <p>Note: The device is rounded off by a universal super dimmer insert, art. no. 577099.</p>	1	 <p>CONNECT radio sensor cover for dimmer inserts System M: 5036.., 5026.. System Design: 5046..</p> 
<ul style="list-style-type: none"> <li>- Mains-supplied radio transmitter for controlling the Merten CONNECT radio system's radio receiver.</li> <li>- Radio range: up to 100 m outdoors, up to 30 m indoors</li> </ul> <p>Note: The device is complemented by a blind control insert, art. no. 580698 or by a blind control insert with extension input, art. no. 580699.</p>	1	 <p>CONNECT radio roller shutter push-button with sensor connection System M: 5035.., 5025.. System Design: 5045..</p> 




## Radio receiver complete devices

Function		Receiver
<ul style="list-style-type: none"> <li>- For switching external loads with SCHUKO plug.</li> <li>- Manual operation is possible via the sensor surface and can be controlled remotely via Merten CONNECT radio system transmitters.</li> <li>- Radio functions: Switch on, switch off, scene.</li> </ul>		 <p><b>CONNECT radio plug adapter, switch</b> 508519 AC 230 V, 50 Hz 16 A, <math>\cos \phi = 1</math>, max 35 <math>\mu\text{F}</math></p> 
<ul style="list-style-type: none"> <li>- For switching and dimming external loads with SCHUKO plug.</li> <li>- Manual operation is possible via the sensor surface and can be controlled remotely via Merten CONNECT radio system transmitters.</li> <li>- For ohmic, inductive and capacitive loads, e.g. incandescent lamps, dimmable wound transformers or electronic transformers.</li> <li>- Phase control or phase alignment</li> <li>- Memory function that can be switched off</li> <li>- Automatic load detection.</li> <li>- Radio functions: Switch on, switch off, dim, scene.</li> </ul>		<p><b>Caution!</b> Only suitable for dimmable lights. Do not plug in any other loads like TV, vacuum cleaner etc. Observe maximum load.</p> <p><b>Caution!</b> Do not connect any mixed loads.</p>  <p><b>CONNECT radio plug adapter, universal dimmer</b> 508619 AC 230 V, 50 Hz 40 VA - 350 VA</p> 
<ul style="list-style-type: none"> <li>- For switching a load via a floating make contact.</li> <li>- Can be controlled remotely via transmitters in the Merten CONNECT system.</li> <li>- Radio functions: Toggle, on, off, push-button operation.</li> </ul>		<p><b>Caution!</b> Contact scanning should be regarded just like a 230 V connection. Take appropriate measures to prevent direct contact.</p>  <p><b>CONNECT radio receiver, flush-mounted, 1-gang switch</b> 507001 AC 230 V, 50 Hz 10 A, <math>\cos \phi = 1</math>, max 35 <math>\mu\text{F}</math></p> 
<ul style="list-style-type: none"> <li>- For manually adjusting the desired room temperature locally.</li> <li>- with the CONNECT radio central unit, it is possible to reduce/increase the temperature by about 4 °C.</li> <li>- Functions: Toggling between comfort and standby</li> </ul>		 <p><b>CONNECT radio valve drive for heaters, comfort/standby</b> 509201 Battery: 2 Mignon 1.5 V (IEC LR 6, AA)</p> 







## Radio receiver for flush mounting

Function	Inserts	Design covers	Manual operation is possible via the sensor surface and can be controlled remotely using Merten CONNECT radio system transmitters.		
			CONNECT radio sensor cover for switch inserts	CONNECT radio sensor cover for dimmer inserts	CONNECT radio roller shutter push-button with sensor connection
		System M System Design	5034.., 5024.. 5044..	5036.., 5026.. 5046..	5035.., 5025.. 5045..







### Electronic switch (2 conductors - neutral conductor is not required)

<b>Switching of ohmic loads</b> - Incandescent lamps, 230 V halogen lamps		<b>Electronic switch insert</b> 576799 (40 - 300 W)	 	■		
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

### Relay switch (3 conductors - neutral conductor is required)

<b>Switching of ohmic, inductive or capacitive loads</b> - Incandescent lamps, fluorescent lamps, energy-saving lamps, LV halogen lighting etc.		<b>Relay switch insert</b> 576897 0 - 1000 W/VA, max. 140 $\mu\text{F}$	    	■		
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### Dimmer (2 conductors - neutral conductor is not required)

<b>Dimming of ohmic, inductive and capacitive loads</b> - Incandescent lamps, 230 V halogen lamps, dimmable wound transformers, electronic transformers - Phase control or phase alignment - Extension input for push-buttons and extension TELE inserts		<b>Universal super dimmer insert</b> 577099 at 50 Hz: 25 - 420 VA; at 60 Hz: 25 - 340 W	    	■		
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### Roller shutter

<b>Controlling a blind/roller shutter drive</b> - Local operation of a blind/roller shutter motor with limit switch. - Motor protection by interlocked relay contacts. - Neutral conductor required		<b>Standard blind control insert</b> 580698 (max. 1 motor 1000 VA)			■	
<b>Controlling a blind/roller shutter drive</b> - Local operation of a blind/roller shutter motor with limit switch. - Extension input for roller shutter switch/push-button or additional blind control insert for group/central control. - Wind alarm function can be implemented - Motor protection by interlocked relay contacts - Neutral conductor required		<b>Blind control insert with extension input</b> 580699 (max. 1 motor 1000 VA)			■	

## Merten CONNECT radio system

The Merten CONNECT radio system is a bi-directional radio network. That means that all devices can transmit and receive signals simultaneously. It is possible so for example for signals to be routed or for alternative radio transmission paths to be searched for (e.g. during temporary faults).

There are two configuration methods:

- The EASY CONNECT method: For the connection of max. five devices which are in the direct vicinity of one and other (e.g. in one room). Configuration is carried out manually.
- Using the CONNECT radio configurator: For systems between different rooms with up to 100 devices and extensive functions (scenes, central switching function, switch times, individual key assignment).

For both types of installation method a so called "system administrator" must always be integrated.

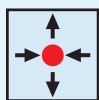
### Properties:

- Secure transmission using frequency range 868 MHz
- Clear addressing enables interference-free operation of multiple radio systems side by side
- Very flexible installation and configuration
- No cable routing required, due to the use of battery-powered transmitters
- Extension of existing installations
- Implementation of groups, scene controlling options and central functions
- The extensive product spectrum covers all areas of application such as lighting control, roller shutter control, scene and heating control.
- Simple teaching in of freely programmable functions
- Extremely flat battery-powered push-button e.g. for attaching to glass
- Indoor transmission range: around 30 m (depending on place of installation and building characteristics such as materials and wall strengths)
- Range in free field: approx. 100 m

### Explanation of symbols:



The device can assume the functions of the system administrator. We recommend you use only fixed devices as system administrator (e.g. CONNECT radio push-button, 1-gang).



The device has the routing function. It automatically relays signals and maintains fault-free operation.



The device transmits signals.



The device receives signals and switches accordingly e.g. light or roller shutter.



Z-Wave standard  
The device is compatible with Z-wave products from other manufacturers.

## CONNECT radio system, central unit



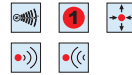
### CONNECT radio central unit, merten@home, colour

Central device with eight freely programmable operator buttons and 3.5" colour display for the central control and visualisation of a Merten CONNECT radio system. The user interface is merten@home.

Radio features: **System administrator, router**

The radio central unit is configured with the CONNECT radio configurator.

It is installed in a flush-mounted double box. For the optional flush mounted power supply an additional flush-mounted box is covered in the radio central unit.



### Functions:

- Administration of central functions of the radio system (32 scenes, time switch with 20 weekly and 12 annual time switch programs, 1 history function)
- IP address: adjustable or can be assigned dynamically via DHCP
- Integrated web server for PC, touch panel, PDA operation with merten@home
- Integrated real-time clock with reserve power of 4 hrs.
- Piezo loudspeaker for acoustic alarm
- Alarm/ message display and additional e-mail forwarding
- Signalling when e-mails arrive
- Multimedia application: Controlling of network mp3 players or streaming clients
- JPG image slide shows (FTP server on the Internet)
- Displaying current news (RSS feeder)
- Interface for the Microsoft Multimedia Center edition

**Power consumption:** approx. 7 W

**Power supply:** DC 24 V, 0.3 A

**Operating elements:** Clickwheel, arrow buttons, back key, home key, 8 operator buttons

**Display size:** 3.5" (8.9 cm)

**Resolution:** 320 x 240 pixels

**Display type:** TFT with 16 million colours

**Interfaces:** 1 x RJ45 Ethernet 10/100 MBit/s, CONNECT radio system

**Memory:** 8 MB Flash/RAM

**Radio frequency:** 868 MHz

**Radio range:** up to 50 m free field, up to 20 m indoors

**Dimensions:** 220x105x50 mm (HxWxD)

**Type of protection:** IP 20

- **Accessories:** Power supply, flush-mounted, art. no. 505599.
- **Transmitter:** All transmitters of the Merten CONNECT radio system.
- **Receiver:** All receivers of the Merten CONNECT radio system.
- **Note:** A RJ45 connector suitable for field assembly is recommended for the Ethernet connection, e.g. FM45 from Reichle+De-Massari. The CONNECT radio configurator for the Merten CONNECT radio system is available via the Internet or on the Merten info CD.
- **Contents:** With design frame.
- **Availability:** Available July 2007.

Version	Art. no.	PU	PG	Info
polar white	505919	1/1	8	
aluminium	505960	1/1	8	



## CONNECT radio central unit, merten@home, monochrome

Central device with eight freely programmable operator buttons and 3.5" monochrome display for the central control and visualisation of a Merten CONNECT radio system. The user interface is merten@home.

Radio features: **System administrator, router**  
The radio central unit is configured with the CONNECT radio configurator.

It is installed in a flush-mounted double box. For the optional flush mounted power supply an additional flush-mounted box is covered in the radio central unit.

### Functions:

- Administration of central functions of the radio system (32 scenes, time switch with 20 weekly and 12 annual time switch programs, 1 history function)
- IP address: adjustable or can be assigned dynamically via DHCP
- Integrated web server for PC, touch panel, PDA operation with merten@home
- Integrated real-time clock with reserve power of 4 hrs.
- Piezo loudspeaker for acoustic alarm
- Alarm/ message display and additional e-mail forwarding
- Signalling when e-mails arrive
- Multimedia application: Controlling of network mp3 players or streaming clients
- JPG image slide shows (FTP server on the Internet)
- Displaying current news (RSS feeder)
- Interface for the Microsoft Multimedia Center edition

**Power consumption:** approx. 7 W

**Power supply:** DC 24 V, 0.3 A

**Operating elements:** Clickwheel, arrow buttons, back key, home key, 8 operator buttons

**Display size:** 3.5" (8,9 cm)

**Resolution:** 320 x 240 pixels

**Display type:** LCD with 16 grey scales

**Interfaces:** 1 x RJ45 Ethernet 10/100 MBit/s, CONNECT radio system

**Memory:** 8 MB Flash/RAM

**Radio frequency:** 868 MHz

**Radio range:** up to 50 m free field, up to 20 m indoors

**Dimensions:** 220x105x50 mm (HxWxD)

**Type of protection:** IP 20

- **Accessories:** Power supply, flush-mounted, art. no. 505599.

**Transmitter:** All transmitters of the Merten CONNECT radio system.

**Receiver:** All receivers of the Merten CONNECT radio system.

- **Note:** A RJ45 connector suitable for field assembly is recommended for the Ethernet connection, e.g. FM45 from Reichle+De-Massari. The CONNECT radio configurator for the Merten CONNECT radio system is available via the Internet or on the Merten info CD.

**Contents:** With design frame.

**Availability:** Available July 2007.

Version	Art. no.	PU	PG	Info
polar white	505019	1/4	8	
aluminium	505060	1/4	8	



## Power supply, flush-mounted

For supplying power to the CONNECT radio central unit, merten@home.

The power supply is installed via a flush-mounted box directly above the radio central unit's flush-mounted double box.

**Primary supply:** AC 230 V, 48-63 Hz

**Output voltage:** DC 24 V +/- 3 %

**Output current:** max. 0.5 A

**Connecting terminals:** Screw terminals

- **For supplying power to:** CONNECT radio central unit, merten@home art. no. 5059..., 5050...

- **Availability:** Available July 2007.

Version	Art. no.	PU	PG	Info
	505599	1/1	8	

## CONNECT radio system, configurator



## CONNECT radio USB data interface

For connecting a PC equipped with a USB interface to the Merten CONNECT radio system.

The radio system is conveniently configured on the PC using the CONNECT radio configurator and is set up via the data interface.

Radio features: **System administrator**

### Functions:

- "plug and play" installation
- Driver for all common Windows operating systems
- Fastening clip for fastening on to a Notebook display
- Power supply via the PC's USB interface.

- **Transmitter:** All transmitters of the Merten CONNECT radio system.

**Receiver:** All receivers of the Merten CONNECT radio system.

- **Contents:** CONNECT radio configurator and driver on CD, USB cable.

**Availability:** Available July 2007.

Version	Art. no.	PU	PG	Info
	506801	1/12	8	



## CONNECT radio configuration tool

Software for conveniently programming the Merten CONNECT radio system components.

### Functions:

- Graphic user interface. Link the components by dragging the connection lines with the mouse.
- Analysis and search functions
- Diagnostics functions: e.g. single diagnosis of the radio system at the installation location
- Conformance measurement
- Documentation of installation and diagnostics report
- Diagram of the routing table

- **Note:** The CONNECT radio configurator for the Merten CONNECT radio system is available via the Internet or on the Merten info CD.

## CONNECT radio system, push-button



### CONNECT radio universal remote control

20 channel radio remote control and IR remote control in a single device. For operating the radio receiver of the Merten CONNECT radio system and TV, VCR/DVD, SAT, AMP.

Radio features: **System administrator (see note)**

#### Functions:

- Update via the Internet
- IR functions are programmable via code input or via direct teaching in
- Macro functions

**Radio:** 20 channels, 20 scenes

**Radio Range:** up to 100 m free field, up to 30 m indoors

**IR Range:** up to 15 m

**Battery:** 4 microcells (IEC LR 03, AAA)

**Display elements:** 5 LEDs for status display and programming

**Dimensions:** 225 x 50 x 27 mm (H x W x D)

▶ **Receiver:** All receivers of the Merten CONNECT radio system.

■ **Note:** The device can assume the features and characteristics of the system administrator. As it concerns a mobile device we recommend that you preferably select a fixed device as system administrator. Instead use for example a CONNECT radio push-button, 1-gang.

**Contents:** With battery. With a codes table for nearly all conventional devices, like TV, VCR, DVD, SAT, AUX, ...

**Availability:** Available July 2007.

Version	Art. no.	PU	PG	Info
black	506922	1/1	8	



### CONNECT radio push-button, 1-gang

For System M.

Battery-powered radio transmitter with 2 channels. For controlling the Merten CONNECT radio system's radio receiver.

Radio features: **System administrator**

High installation flexibility due to flat design. A flush-mounted socket-outlet is not necessary. The push-button is suitable for sticking onto walls or glass, screwing onto walls or flush-mounted outlets as well as installing in a multiple combination.

**Channels:** 2

**Range:** up to 100 m free field, up to 30 m indoors

**Battery:** 1 lithium button cell (CR 2450)

**Display elements:** LED for transmission confirmation/programming

▶ **Receiver:** All receivers of the Merten CONNECT radio system.

■ **Contents:** Battery, retaining plate, double-sided adhesive strips, single-sided adhesive foils aluminium-coloured, screws, dowels.

**Availability:** Available July 2007.

Version	Art. no.	PU	PG	Info
<b>▶ Thermoplastic brilliant</b>				
white, glossy	506144	1/40	8	
polar white, glossy	506119	1/40	8	
active white, glossy	506125	1/40	8	
<b>▶ Thermoplastic classy matt</b>				
white	505144	1/40	8	
polar white	505119	1/40	8	
anthracite	505114	1/40	8	
aluminium	505160	1/40	8	

▶ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



## CONNECT radio push-button, 2-gang

For System M.  
Battery-powered radio transmitter with 4 channels. For controlling the Merten CONNECT radio system's radio receiver.  
Radio features: **System administrator**  
High installation flexibility due to flat design. A flush-mounted socket-outlet is not necessary. The push-button is suitable for sticking onto walls or glass, screwing onto walls or flush-mounted outlets as well as installing in a multiple combination.

**Channels:** 4  
**Range:** up to 100 m free field, up to 30 m indoors  
**Battery:** 1 lithium button cell (CR 2450)  
**Display elements:** LED for transmission confirmation/programming

- ▶ **Receiver:** All receivers of the Merten CONNECT radio system.
- ▶ **Contents:** Battery, retaining plate, double-sided adhesive strips, single-sided adhesive foils aluminium-coloured, screws, dowels.
- Availability:** Available July 2007.

Version	Art. no.	PU	PG	Info
<b>Thermoplastic brilliant</b>				
white, glossy	506244	1/40	8	
polar white, glossy	506219	1/40	8	
active white, glossy	506225	1/40	8	

<b>Thermoplastic classy matt</b>				
white	505244	1/40	8	
polar white	505219	1/40	8	
anthracite	505214	1/40	8	
aluminium	505260	1/40	8	

- ▶ **Duroplastic, highly scratch-resistant:** With this article, use thermoplastic brilliant



## CONNECT radio push-button, 1-gang

For System Design.  
Battery-powered radio transmitter with 2 channels. For controlling the Merten CONNECT radio system's radio receiver.  
Radio features: **System administrator**  
High installation flexibility due to flat design. A flush-mounted socket-outlet is not necessary. The push-button is suitable for sticking onto walls or glass, screwing onto walls or flush-mounted outlets as well as installing in a multiple combination.

**Channels:** 2  
**Range:** up to 100 m free field, up to 30 m indoors  
**Battery:** 1 lithium button cell (CR 2450)  
**Display elements:** LED for transmission confirmation/programming

- ▶ **Receiver:** All receivers of the Merten CONNECT radio system.
- ▶ **Contents:** Battery, retaining plate, double-sided adhesive strips, single-sided adhesive foils aluminium-coloured, screws, dowels.
- Availability:** Available July 2007.

Version	Art. no.	PU	PG	Info
<b>Thermoplastic brilliant</b>				
white	507144	1/40	8	
polar white	507119	1/40	8	
aluminium	507160	1/40	8	

<b>metallic</b>				
varnished stainless steel	507146	1/40	8	



## CONNECT radio push-button, 2-gang

For System Design.  
Battery-powered radio transmitter with 4 channels. For controlling the Merten CONNECT radio system's radio receiver.  
Radio features: **System administrator**  
High installation flexibility due to flat design. A flush-mounted socket-outlet is not necessary. The push-button is suitable for sticking onto walls or glass, screwing onto walls or flush-mounted outlets as well as installing in a multiple combination.

**Channels:** 4  
**Range:** up to 100 m free field, up to 30 m indoors  
**Battery:** 1 lithium button cell (CR 2450)  
**Display elements:** LED for transmission confirmation/programming

- ▶ **Receiver:** All receivers of the Merten CONNECT radio system.
- ▶ **Contents:** Battery, retaining plate, double-sided adhesive strips, single-sided adhesive foils aluminium-coloured, screws, dowels.
- Availability:** Available July 2007.

Version	Art. no.	PU	PG	Info
<b>Thermoplastic brilliant</b>				
white	507244	1/40	8	
polar white	507219	1/40	8	
aluminium	507260	1/40	8	

<b>metallic</b>				
varnished stainless steel	507246	1/40	8	



## CONNECT radio transmitter flush-mounted, 4-gang

Battery-powered radio transmitter for connecting up to 4 floating switch contacts (e.g. standard push-buttons). For the remote control of other receivers from the Merten CONNECT radio system via push-buttons from the Merten switch ranges. Automatic recognition of the connected devices, like for example sensor, switch or push-button. Suitable for installation underneath push-button inserts or in empty flush-mounted boxes.

**Channels:** 4  
**Range:** up to 100 m (free field)  
up to 30 m (building)  
**Battery:** 1 lithium button cell (CR 2450)  
**Display elements:** LED for send confirmation  
**Dimensions:** 43 x 41 x 14 mm (H x W x D)

- ▶ **Receiver:** All receivers of the Merten CONNECT radio system.
- ▶ **Availability:** Available July 2007.

Version	Art. no.	PU	PG	Info
	506004	1/100	8	

## CONNECT radio system, switching/dimming

### CONNECT radio sensor cover for dimmer inserts

For System M.  
Operator button to toggle or switch/dim an output.  
Manual operation and remote control possible via Merten CONNECT radio system transmitters.  
Radio features: **Router**

#### Functions:

Switch on, switch off, toggle, scene, dimming.



- To be completed with:** Universal super dimmer insert, art. no. 577099 from version 3A.  
**Transmitter:** All transmitters of the Merten CONNECT radio system.
- Availability:** Available July 2007.

Version	Art. no.	PU	PG	Info
<b>Thermoplastic brilliant</b>				
white, glossy	503644	1/100	8	
polar white, glossy	503619	1/100	8	
active white, glossy	503625	1/100	8	
<b>Thermoplastic classy matt</b>				
white	502644	1/100	8	
polar white	502619	1/100	8	
anthracite	502614	1/100	8	
aluminium	502660	1/100	8	

- Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**

### CONNECT radio sensor cover for dimmer inserts

For System Design.  
Operator button to toggle or switch/dim an output.  
Manual operation and remote control possible via Merten CONNECT radio system transmitters.  
Radio features: **Router**

#### Functions:

Switch on, switch off, toggle, scene, dimming.



- To be completed with:** Universal super dimmer insert, art. no. 577099 from version 3A.  
**Transmitter:** All transmitters of the Merten CONNECT radio system.
- Availability:** Available July 2007.

Version	Art. no.	PU	PG	Info
<b>Thermoplastic brilliant</b>				
white	504644	1/100	8	
polar white	504619	1/100	8	
aluminium	504660	1/100	8	
<b>metallic</b>				
varnished stainless steel	504646	1/100	8	



### Universal super dimmer insert

#### AC 230 V

For ohmic, inductive and capacitive loads, e.g. incandescent lamps, dimmable wound transformers or electronic transformers.

#### Phase control or phase alignment

The universal dimmer automatically recognises the connected load. Do not connect any mixed loads.

With memory function, can be switched off.

**Neutral conductor: not required** (2 conductor system)



- To be completed with:** Sensor cover, art. no. System M 5776..., 5701..., 5704..., System Basis 5741..., System Design 5737..., OCTO-COLOR 5742.. or TELE sensor cover, art. no. System M 5779..., 5703..., 5711..., System Basis 5748..., System Design 5709..., OCTO-COLOR 5749... In the TRACENT range with control electronics, 1-gang, art. no. 569090 and TRACENT glass sensor covers, art. no. 5691..., 5692..., 5693..., 5695... Central plate comfort rotating regulator for Universal super dimmer insert, art. no. System M 5678..., 5677... In the CONNECT radio system with the CONNECT sensor cover for dimmer inserts art. No. System M 5036..., 5026..., System Design 5046...

**Extension unit operation:** With mechanical push-buttons. With extension insert, art. no. 573999, extension TELE insert, art. no. 573998.

- Technical Information:** Universal dimmer (⇒ p. 456); Electronic sensor switch (⇒ p. 448); TRACENT functions and device overview (⇒ p. 433)

- Note:** The insert from version 3A only, can be used in conjunction with the CONNECT radio system.

Version	Art. no.	PU	PG	Info
25-420 VA	577099	1/50	8	

### CONNECT radio sensor cover, for switch inserts

For System M.  
Operator button for switching an output. Manual operation and remote control possible via Merten CONNECT radio system transmitters.  
Radio features: **Router**

#### Functions:

Switch on, switch off, toggle, scene.



- To be completed with:** Relay switch insert, art. no. 576897. Electronic switch insert, art. no. 576799 from version 2A.  
**Transmitter:** All transmitters of the Merten CONNECT radio system.
- Availability:** Available July 2007.

Version	Art. no.	PU	PG	Info
<b>Thermoplastic brilliant</b>				
white, glossy	503444	1/100	8	
polar white, glossy	503419	1/100	8	
active white, glossy	503425	1/100	8	
<b>Thermoplastic classy matt</b>				
white	502444	1/100	8	
polar white	502419	1/100	8	
anthracite	502414	1/100	8	
aluminium	502460	1/100	8	

- Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



## CONNECT radio sensor cover, for switch inserts

For System Design.  
Operator button for switching an output. Manual operation and remote control possible via Merten CONNECT radio system transmitters.  
Radio features: **Router**



### Functions:

Switch on, switch off, toggle, scene.

- ▶ **To be completed with:** Relay switch insert, art. no. 576897. Electronic switch insert, art. no. 576799 from version 2A.
- Transmitter:** All transmitters of the Merten CONNECT radio system.
- ▶ **Availability:** Available July 2007.

Version	Art. no.	PU	PG	Info
<b>Thermoplastic brilliant</b>				
white	<b>504444</b>	1/100	8	
polar white	<b>504419</b>	1/100	8	
aluminium	<b>504460</b>	1/100	8	
<b>metallic</b>				
varnished stainless steel	<b>504446</b>	1/100	8	



## Relay switch insert

AC 230 V

For ohmic and complex loads such as incandescent lamps, fluorescent lamps, energy-saving lamps, LV halogen lighting etc.



**Switching capacity:** 0-1000 VA

**Capacitive load:** max. 140 µF

**Neutral conductor: required** (3 conductor system)

- ▶ **To be completed with:** ARGUS 180 flush-mounted sensor module, art. no. System M 5755..., 5784..., System Basis 5782..., System Design 5786..., OCTOCOLOR 5753..., AQUADESIGN 5781... ARGUS 180 flush-mounted sensor module with switch, art. no. System M 5728..., 5785..., System Basis 5783..., System Design 5795..., OCTOCOLOR 5756... ARGUS 180/2.20 m flush-mounted sensor module, art. no. System M 5688..., 5687... In the radio system with sensor cover with radio receiver for switch insert, art. no. 5932..., 5933... In the CONNECT radio system with the CONNECT sensor cover for switch inserts art. no. System M 5034..., 5024..., System Design 5044...

- **Technical Information:** ARGUS flush-mounted overview (⇒ p. 506)
- ▶ **Note:** Replace the relay switch insert, art. no. 576899.

Version	Art. no.	PU	PG	Info
0-1000 VA	<b>576897</b>	1/50	8	



## Electronic switch insert

AC 230 V

For ohmic load such as incandescent lamps, 230 V halogen lamps.

**Switching capacity:** 40-300 W

**Neutral conductor: not required** (2 conductor system)



- ▶ **To be completed with:** ARGUS 180 flush-mounted sensor module, art. no. System M 5755..., 5784..., System Basis 5782..., System Design 5786..., OCTOCOLOR 5753..., AQUADESIGN 5781... ARGUS 180 flush-mounted sensor module with switch, art. no. System M 5728..., 5785..., System Basis 5783..., System Design 5795..., OCTOCOLOR 5756... ARGUS 180/2.20 m flush-mounted sensor module, art. no. System M 5688..., 5687... In the radio system with sensor cover with radio receiver for switch insert, art. no. 5932..., 5933... In the CONNECT radio system with the CONNECT sensor cover for switch inserts art. no. System M 5034..., 5024..., System Design 5044...

- **Technical Information:** ARGUS flush-mounted overview (⇒ p. 506)

- ▶ **Note:** A maximum of two electronic switch inserts may be wired in parallel. The sensor cover with radio receiver for switch inserts, art. no. 5932..., 5933... can be used from version 1A with the electronic switch insert, art. no. 576799. The insert from version 2A only, can be used in conjunction with the CONNECT radio system.

Version	Art. no.	PU	PG	Info
40-300 W	<b>576799</b>	1/50	8	



## CONNECT radio receiver, flush-mounted, 1-gang switch

For switching loads via a make contact. Can be remote-controlled via transmitters in the Merten CONNECT system.

Radio features: **Router**

Suitable for installation in a ceiling socket-outlet, in a flush-mounted box or on a ceiling hook.

### Functions:

Switch on, switch off, toggle, push-button operation.

**Nominal voltage:** AC 230 V

**Nominal current:** 10 A

**Connected loads:**

**Incandescent lamps:** AC 230 V, 2000 W

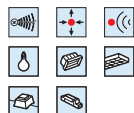
**Halogen lamps:** AC 230 V, 2000 W

**Fluorescent lamps:** 1200 W

**Capacitive load:** 35 µF

**Dimensions:** 48 x 48 x 23 mm (H x W x D)

**Display elements:** LED



- ▶ **Transmitter:** All transmitters of the Merten CONNECT radio system.
- ▶ **Availability:** Available July 2007.

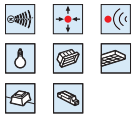
Version	Art. no.	PU	PG	Info
	<b>507001</b>	1/60	8	



## CONNECT radio plug adapter, switch

**AC 230 V, 50 Hz**

For switching external loads with SCHUKO plug.  
Radio features: **Router**  
Manual operation via the sensor surface and remote control possible via Merten CONNECT radio system transmitters.



### Functions:

Switch on, switch off, scene.

**Nominal voltage:** AC 230 V, 50 Hz

**Nominal current:** 16 A,  $\cos\phi = 1$

**Incandescent lamps:** AC 230 V, max. 2000 W

**Halogen lamps:** AC 230 V, max. 2000 W

**Capacitive load:** max. 35  $\mu\text{F}$

**Dimensions:** 120x65x38 mm (HxWxD)

**Display elements:** LED for status display

**Operating elements:** Sensor surface for local operation and programming

**Type of protection:** IP 20

- ▶ **Transmitter:** All transmitters of the Merten CONNECT radio system.
- ▶ **Availability:** Available July 2007.

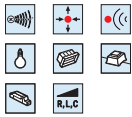
Version	Art. no.	PU	PG	Info
polar white	<b>508519</b>	1/16	8	



## CONNECT radio plug adapter, universal dimmer

**AC 230 V, 50 Hz**

For switching and dimming external loads with SCHUKO plug.  
Radio features: **Router**  
For ohmic, inductive and capacitive loads, e.g. incandescent lamps, dimmable wound transformers and electronic transformers.



### (Phase control or phase alignment).

Manual operation via the sensor surface and remote control possible via Merten CONNECT radio system transmitters.

The integrated universal dimmer automatically recognises the connected load. Do not connect any mixed loads.

With memory function, can be switched off.

### Functions:

Switch on, switch off, dim, scene.

**Nominal voltage:** AC 230 V, 50 Hz

**Minimum load:** 40 VA

**Maximum load:** 350 VA

**Dimensions:** 120x65x38 mm (HxWxD)

**Display elements:** LED for status display

**Operating elements:** Sensor surface for local operation and programming

**Type of protection:** IP 20

- ▶ **Transmitter:** All transmitters of the Merten CONNECT radio system.
- ▶ **Technical Information:** Universal dimmer ( $\Rightarrow$  p. 456)
- ▶ **Availability:** Available July 2007.

Version	Art. no.	PU	PG	Info
polar white	<b>508619</b>	1/16	8	

## CONNECT radio system, roller shutter



## CONNECT radio roller shutter push-button with sensor connection

For System M.

Operating button for roller shutter motors. Manual operation and remote control possible via Merten CONNECT radio system transmitters. With electronic locking device.

Possible to connect sun/twilight sensor.

Radio features: **Router**

A screw terminal on the blind control insert connects the sensor cable with the roller shutter push-button. Brightness value of sun sensor set to approx. 20000 lux.

### Functions:

Radio: Roller shutter UP, DOWN, stop

- ▶ **To be completed with:** Blind control insert, art. no. 580698, 580699.
- ▶ **Accessories:** Sun/twilight sensor, art. no. 580691.
- ▶ **Transmitter:** All transmitters of the Merten CONNECT radio system.
- ▶ **Availability:** Available July 2007.

Version	Art. no.	PU	PG	Info
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### ▶ Thermoplastic brilliant

white, glossy	<b>503544</b>	1/60	8	
polar white, glossy	<b>503519</b>	1/60	8	
active white, glossy	<b>503525</b>	1/60	8	

### ▶ Thermoplastic classy matt

white	<b>502544</b>	1/60	8	
polar white	<b>502519</b>	1/60	8	
anthracite	<b>502514</b>	1/60	8	
aluminium	<b>502560</b>	1/60	8	

- ▶ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



## CONNECT radio roller shutter push-button with sensor connection

For System Design.

Operating button for roller shutter motors. Manual operation and remote control possible via Merten CONNECT radio system transmitters. With electronic locking device.

Possible to connect sun/twilight sensor.

Radio features: **Router**

A screw terminal on the blind control insert connects the sensor cable with the roller shutter push-button. Brightness value of sun sensor set to approx. 20000 lux.

### Functions:

Radio: Roller shutter UP, DOWN, stop

- ▶ **To be completed with:** Blind control insert, art. no. 580698, 580699.
- ▶ **Accessories:** Sun/twilight sensor, art. no. 580691.
- ▶ **Transmitter:** All transmitters of the Merten CONNECT radio system.
- ▶ **Availability:** Available July 2007.

Version	Art. no.	PU	PG	Info
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### ▶ Thermoplastic brilliant

white	<b>504544</b>	1/60	8	
polar white	<b>504519</b>	1/60	8	
aluminium	<b>504560</b>	1/60	8	

### ▶ metallic

varnished stainless steel	<b>504546</b>	1/60	8	
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## Standard blind control insert

**AC 230 V, 50 Hz**

For local control of a blind/roller shutter motor with limit switch.  
Motor protection through interlocked relay contacts. Without extension input.

**Nominal voltage:** AC 230 V, 50 Hz

**Neutral conductor:** required

**Switching capacity:** max. 1 motor 1000 W

**Outputs:** 2 make contacts (interlocked)

**Pulse duration:** 2 minutes

**Connecting terminals:** Screw terminals for max. 2.5 mm<sup>2</sup> or 2x1.5 mm<sup>2</sup>

▶ **To be completed with:** Blind push-buttons and blind time switches for the blind control system. In the CONNECT radio system with the CONNECT radio roller shutter push-button with sensor connection art. No. System M 5035..., 5025..., System Design 5045...

■ **Technical Information:** Standard blind control insert, art. no. 580698 (⇒ p. 463)

Version	Art. no.	PU	PG	Info
1000 W	580698	1/50	8	



## Blind control insert with extension input

**AC 230 V, 50 Hz**

For controlling a blind/roller shutter motor with limit switch.

A mechanical roller shutter switch/push-button or an additional blind control insert can be connected via the extension input to implement group/central control. Wind alarm function possible with extension input. Motor protection through interlocked relay contacts.

**Nominal voltage:** AC 230 V, 50 Hz

**Neutral conductor:** required

**Switching capacity:** max. 1 motor 1000 VA

**Outputs:** 2 make contacts (interlocked)

**Reversing time:** minimum 500 ms

**Connecting terminals:** Screw terminals for max. 2.5 mm<sup>2</sup> or 2x1.5 mm<sup>2</sup>

▶ **To be completed with:** Blind push-buttons and blind time switches for the blind control system. In the CONNECT radio system with the CONNECT radio roller shutter push-button with sensor connection art. No. System M 5035..., 5025..., System Design 5045...

**Accessories:** Wind sensor interface, art. no. 580693.

■ **Technical Information:** Blind control insert with extension input, art. no. 580699 (⇒ p. 463)

■ **Note:** In combination with the standard blind time switch, art. no. 5809..., 5859..., 5839..., 5819..., the extension input does not work.

Version	Art. no.	PU	PG	Info
1000 VA	580699	1/50	8	

## CONNECT radio system, heating



## CONNECT radio valve drive for heaters, comfort/standby

Heating thermostat for manually adjusting the desired room temperature in situ. Additionally it is possible to reduce/increase the temperature by 4 °C by radio via the CONNECT radio central unit. With limitation facility of the mechanical adjusting range.

Thermostat head is suitable for Heimeier valves M 30 x 1.5.



**Operating elements:** Programming button, key for toggling between comfort/standby

**Display elements:** Comfort (Sun), standby (Moon)

**Battery:** 2 Mignon 1.5 V (IEC LR 6, AA)

**Battery service life:** approximately 2 heating periods

**Temperature range:** 8 - 28 °C

■ **Transmitter:** CONNECT radio central unit, merten@home art. no. 5059..., 5050...

■ **Further thermostat heads available on request.**

**Availability:** Available July 2007.

Version	Art. no.	PU	PG	Info
polar white	509201	1/1	8	