

Operating- and installation instructions

WAREMA Mobile System

WMS Wall-mounted transmitter basic



Keep for future use!
Valid from 01. august 2016

General information



Fig. 1 WMS Wall mounted transmitter basic

The WAREMA Mobile System (WMS) wall-mounted transmitter basic is used for the remote control of WAREMA WMS receivers. The receivers send a confirmation of the received commands, and the wall-mounted transmitter indicates that it received the confirmation.

The WMS Wall mounted transmitter basic is a 1-channel transmitter and supports five different product types (awning, roller shutter, external venetian blind, window, light). Only one receiver or a group of receivers of the same product type can be actuated at any one time.

The comfort control functions can be switched on and off via the WMS Wall mounted transmitter basic.

Comfort positions can be saved at the press of a button.

If a control function is preventing operation of the product (e.g. a wind alarm), this is also displayed on the WMS Wall mounted transmitter basic.

Intended use

The WMS wall-mounted transmitter basic was developed to control WAREMA Mobile System (WMS) receivers. The approval of the manufacturer must be obtained for uses outside of the purposes listed in these instructions.

Safety instructions



CAUTION

The WMS Wall mounted transmitter basic is for indoor use only. It is not water-proof.



CAUTION

Never activate buttons on your WMS Wall mounted transmitter basic arbitrarily without visual contact to the sun shading product. Children must not play with this product – remote controls or transmitters must not get into the hands of children!

To ensure trouble-free operation of the unit,

- Read these instructions carefully,
- Check that the system is functioning correctly.

Installation

The WMS Wall mounted transmitter basic consists of a mounting frame and control.

- Attach the mounting frame to the wall using the countersunk screws and dowels included.
- Position the central frame/plate of the switch program you require.
- Clip on the wall-mounted transmitter.
- ▶ Clipping the wall-mounted transmitter and central frame/plate into the available snap-in latches will hold them in place on the mounting frame.

NOTE Only use countersunk screws so that the screws are flush with the mounting frame and the WMS Wall mounted transmitter basic can be securely clipped on.

NOTE When planning the installation location, be sure to allow enough space for the central frame/plate that you require for your particular installation. The central frame/plate can be ordered as an optional accessory if needed.

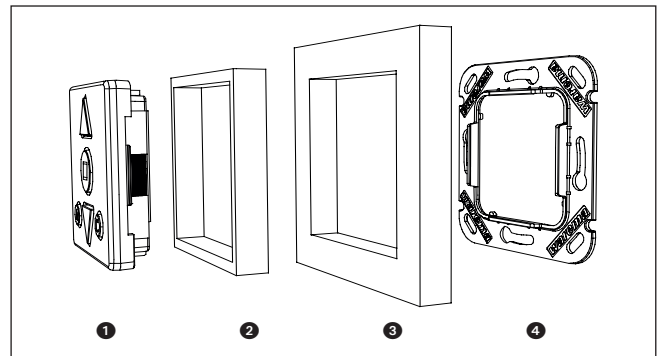


Fig. 2 Mounting structure for the WMS Wall-mounted transmitter

- 1 WMS Wall mounted transmitter basic (included in the scope of delivery),
- 2 Central frame/plate (on-site or can be ordered as an optional accessory),
- 3 Switch program frame (on-site or can be ordered as an optional accessory),
- 4 Mounting frame (included in the scope of delivery).

Operating elements and displays

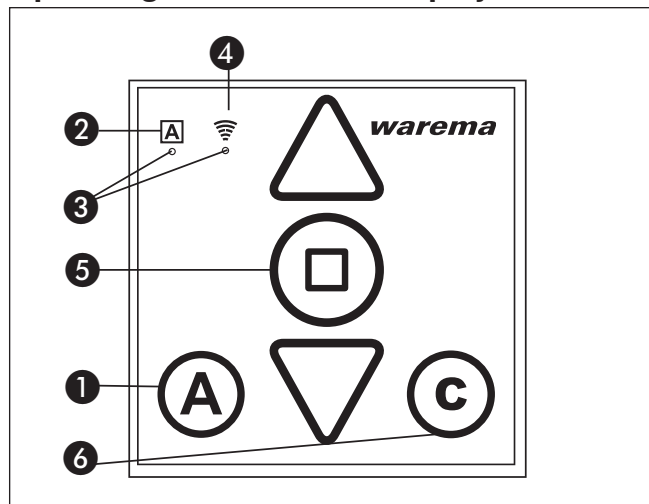


Fig. 3 Operating panel of WMS Wall mounted transmitter basic (front)

Pos.	Fig.	Function
1	A	Control function on/off button Switch on and off the comfort control functions of the receivers that were learned in.
2	A	Control function LED A with two functions ► When you press the control mode button (A) the LED A only shows the transmission of an "On" control function command. When an "OFF" control function command is sent, the LED A does not light up. ► If operation is blocked on your WMS Wall mounted transmitter basic, for example due to a wind alarm, this LED flashes red. (The wind alarm keeps your sun shading systems safe. When the set wind speed limit is exceeded, the blinds are retracted and manual operation is blocked during this time.)
3	A + wireless signal icon	The control function LED A and transmission LED wireless signal icon flash ORANGE: WMS Wall mounted transmitter basic is in its factory state (does not belong to a network, still needs to be learned in). NOTE If the two buttons flash red, you pressed the button for too long and you are now in the "Reset hand-held transmitter" mode. To leave this mode, press the learn button briefly  .
4	wireless signal icon	The transmission LED wireless signal icon flashes GREEN: The WMS Wall mounted transmitter basic is transmitting. RED: The WMS Wall mounted transmitter basic did not receive a response from the receiver. ORANGE: Change the batteries.
5	UP/STOP/DOWN buttons	UP/STOP/DOWN buttons Send move or switch commands to the selected receiver. If the WMS Wall mounted transmitter basic is in the info or learn mode, the buttons can be used to change or store settings.
6	C	Comfort button C This button can be used to store and call up comfort positions.

Operating elements on the back

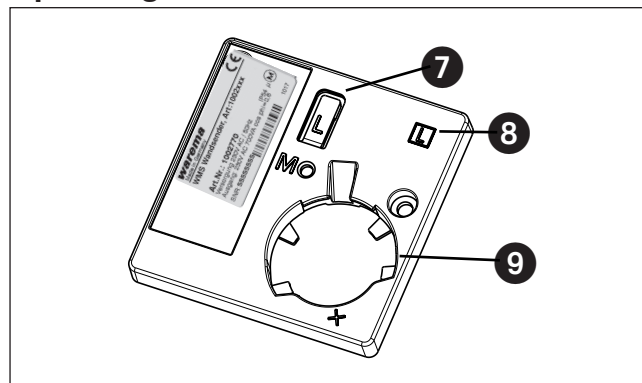


Fig. 4 Back of the WMS Wall mounted transmitter basic

Pos.	Fig.	Function
7	Learn button icon	Learn button Activates or closes the learn mode of the WMS Wall mounted transmitter basic
8	L LED icon	L LED Indicates that the WMS Wall mounted transmitter basic is in learn mode (lights up green)
9	Battery icon	Battery The WMS Wall mounted transmitter basic requires a coin cell CR 2032 battery

Operation

Button/ display	Action/result
To learn in the comfort position:	
	■ Operate the selected product using the UP/STOP/DOWN buttons. ■ The operating instructions of the respective receiver describe which operating options are available to you (e.g. UP=ON, DOWN=OFF, STOP=switch).
	► The transmission LED  indicates the transmission status: Flashes GREEN: WMS Wall mounted transmitter basic is transmitting, then: Lights up GREEN for 2s: The receiver has confirmed the command. Lights up RED for 2s: The command has not been confirmed (e.g. the receiver is outside of the transmission range), or the WMS Wall-mounted transmitter was added to the network but a channel has not yet been copied onto the WMS Wall mounted transmitter basic. Lights up GREEN for 2s + control symbol is red: The receiver confirms the command, but does not execute it because of the displayed control function (e.g. the awning is not extended because the wind alarm is active). ► The transmission LED  indicates the transmission status: Lights up RED for 2s: The WMS Wall-mounted transmitter was added to the network but a receiver has not yet been assigned.

Learning/recalling the comfort positions

A comfort position can be stored for the receivers in the network (e.g. awning half extended). The awning can be automatically moved to this comfort position at the press of a button.

Button/ display	Action/result
To learn in the comfort position:	
	■ "Move your product to the position that is to be stored as the comfort position (see "Operating the products")."
	■ Hold down the comfort button  for 5 seconds until the transmission LED  lights up.

Button/ display	Action/result
	► The transmission LED  indicates the transmission status: 2s GREEN: The comfort position is stored. 2s RED: The command was not confirmed (e.g. receiver outside of transmission range); repeat the procedure.
To recall a comfort position:	
	■ Briefly press the comfort button .
	► The transmission LED  flashes green. ► The comfort position for the selected product is restored automatically.

NOTE If a product is already in the comfort position or if a comfort position has not been stored, the selected product does not respond to pressing of the comfort button .

NOTE When the comfort position is not moved to correctly, the run time in the receiver must be adjusted with a WMS Central transmitter or a WMS Hand-held transmitter (please see the operating instructions of the respective receiver).

Switching on/off the comfort control functions

Button/ display	Action/result
	■ Press the control button .
	► The transmission LED  flashes green. ► The transmission LED  lights up: GREEN: The control functions are switched on in all receivers. RED: Not all receivers could be reached; switch the control functions OFF and ON again (or ON and OFF).
	► The A LED  lights up: GREEN: Switch on the control functions. RED: Switch off the control functions.

The WMS Wall mounted transmitter basic always remembers the command last sent. When the control button  is pressed again, the WMS Wall mounted transmitter basic sends the opposite command (ON - OFF - ON -...).

Commissioning

Films on commissioning can be found at:
<http://www.warema.de/inbetriebnahme-funksysteme>



We recommend commissioning using the WMS studio PC software.

- The supplied battery is already inserted and the device is ready to operate.

NOTE To spare the button cell of the WMS Wall mounted transmitter basic during learning, the waking time of the WMS Wall mounted transmitter basic was reduced to 1 minute. If your device stops responding, simply wake it up by pressing the Stop button, for example.

- To replace an empty battery, please read the section on "Maintenance and cleaning".

NOTE Before WMS receivers can be operated via a WMS Wall mounted transmitter basic, the WMS Wall mounted transmitter basic or the receiver must be included as a device in a radio network.

NOTE If you purchased the WMS Wall mounted transmitter basic separately, we recommend the "WMS Studio" PC software in combination with WMS Stick for commissioning.

NOTE If the WMS Wall mounted transmitter basic is still in its delivered state (no products have been learned in yet), it is available for 1 minute after any button is pressed.

The application examples below are intended to make it easier for you to perform the procedures you require.

Example 1:

The existing system with a WMS Hand-held transmitter is expanded to include a WMS Wall mounted transmitter basic

Step 1:

Add the WMS Wall mounted transmitter basic to the existing network

Button/display	Action/result
	■ Wake up the WMS Wall mounted transmitter basic with the STOP button .
	■ Wake up the (large) WMS Hand-held transmitter with any product button.
	■ Press the learn button on the large WMS Hand-held transmitter for approx. 5 s.
+	▶ lights up green; the transmission LED flashes. For several seconds, the hand-held transmitter scans the range for devices.
E.g.	▶ When the scanning procedure is completed, the located devices are displayed in the upper row of LEDs (here, for example, 2 receivers). RED: New device GREEN: The device already belongs to the network. Devices that already belong to a different network are not located during scanning.

Button/display	Action/result
	■ Select a device using the arrow buttons. (Briefly press to check which device is currently selected. The product waves*.)
E.g.	▶ The LED of the selected device flashes on the large WMS Hand-held transmitter.
	■ Press the STOP button on the large WMS Hand-held transmitter to add the WMS Wall mounted transmitter basic to the network.
E.g.	▶ The LED of the selected device flashes green. The WMS Wall mounted transmitter basic has been successfully learned into the network.
You can now add additional scanned products in the same manner.	
	■ Briefly press the learn button to leave the learn mode.

Step 2:

Copy a channel from a WMS Hand-held transmitter or a WMS Central transmitter to a WMS Wall mounted transmitter basic.

Button/display	Action/result
	■ Wake up the large WMS Hand-held transmitter with any product button. ■ Select the channel of the hand-held transmitter that you wish to copy.
	■ Briefly press the learn button on the large WMS Hand-held transmitter. ▶ The L LED lights up green.
	■ Briefly press the learn button on the TARGET TRANSMITTER, the WMS Wall mounted transmitter basic in this case. ▶ The L LED lights up green.
	▶ The transmission LED on the WMS Wall mounted transmitter basic flashes. GREEN During the transmission of data from the WMS hand-held transmitter/ Central transmitter to the target transmitter (WMS Wall mounted transmitter basic); this ends with GREEN Lights up continuously for 2 seconds, transmission successful RED Light up continuously for 2 seconds, error during transmission
	▶ The L LED on the WMS Wall mounted transmitter basic goes out.

* The product responds with short movements or by lighting up briefly and in this way indicates that it received the sent command.

Example 2: The existing system with a WMS Central transmitter is expanded to include a WMS Wall mounted transmitter basic

Step 1:

Add the WMS Wall mounted transmitter basic to the existing network with a WMS Central transmitter

- Wake up the WMS Wall mounted transmitter basic
- Select the "Learn in/out hand-held transmitter/central control unit" menu item on your WMS Central transmitter under:

Main menu

↳ System

↳ Commissioning (logged in as specialist partner)

↳ Learn in/out hand-held transmitter/central transmitter

- Confirm the selected menu item with
- ▶ The control function LED and transmission LED light up on the WMS Wall mounted transmitter basic (red and green).
- ▶ The WMS Wall mounted transmitter basic was added to the network.

Step 2:

Copy a channel from a WMS Central transmitter to a WMS Wall mounted transmitter basic

- Select the "Allocate channel to another control panel" menu item on your WMS Central transmitter under:

Main menu

↳ Products

↳ Product type

① → Context menu

↳ Allocate

↳ Allocate channel to another channel

- Briefly press the learn button on the WMS Wall mounted transmitter basic.
- ▶ The transmission LED on the WMS Wall mounted transmitter basic flashes green.
- ▶ The channel was copied.

The exact description of these procedures can be found in the instructions of the WMS Central transmitter (art. no. 890 405).

Example 3:

An existing system with a WMS Wall mounted transmitter basic is expanded to include another WMS Wall mounted transmitter basic

Step 1:

Add the WMS Wall mounted transmitter basic (2) to the existing network with a WMS Wall mounted transmitter basic (1)

Button/display	Action/result
	■ Wake up the WMS Wall mounted transmitter basic (1) with the STOP button .
	■ Wake up the WMS Wall mounted transmitter basic (2) with the STOP button .
	■ Press the learn button on the WMS Wall mounted transmitter basic (1) for approx. 5 seconds.

Button/display	Action/result
	▶ lights up green; the transmission LED flashes. For several seconds, the WMS Wall mounted transmitter basic (1) scans the range for devices.
	The WMS Wall mounted transmitter basic (1) does not find any device during scanning: ▶ The transmission LED lights up. ORANGE: No receiver found.
	If the WMS Wall mounted transmitter basic (1) finds a receiver, transmitter or sensor that has not yet been learned in, scanning is stopped. It is indicated as follows: ▶ The transmission LED lights up. RED: New receiver
	■ When you press the control button , you can check WHICH target device was just found. ▶ The product then waves and the control function LED flashes. RED: The target device (transmitter or sensor) can be added to the network.
	■ Press the STOP button .
	▶ The found target device (transmitter or sensor) is added to the network. ▶ The target device waves in confirmation.
	■ Briefly press the learn button to leave the learn mode.

Step 2:

Copy channel from one WMS Wall mounted transmitter basic (1) to another WMS Wall mounted transmitter basic (2)

Button/display	Action/result
	■ Briefly press the learn button on the WMS Wall mounted transmitter basic (1). ▶ The L LED lights up green.
	■ Briefly press the learn button on the TARGET TRANSMITTER (WMS Wall mounted transmitter basic 2). ▶ The L LED lights up green.
	▶ The transmission LED on the WMS Wall mounted transmitter basic (1) flashes GREEN During the transmission of data from the WMS Wall-mounted transmitter (1) to the WMS Wall-mounted transmitter (2); this ends with GREEN Lights up continuously for 2 seconds, transmission successful RED Light up continuously for 2 seconds, error during transmission
	▶ The L LED on the WMS Wall mounted transmitter basic (1) and (2) goes out.

Example 4:
The existing system with a WMS Wall mounted transmitter basic is expanded to include a WMS Hand-held transmitter

Step 1:
Add the WMS Hand-held transmitter to the existing network with a WMS Wall mounted transmitter basic

Button/display	Action/result
	■ Wake up the WMS Wall mounted transmitter basic with the STOP button .
	■ Wake up the (large) WMS Hand-held transmitter with any product button.
	■ Press the learn button on the WMS Wall mounted transmitter basic for approx. 5 seconds.
	▶ lights up green; the transmission LED flashes. For several seconds, the WMS Wall mounted transmitter basic scans the range for devices.
	The WMS Wall mounted transmitter basic does not find any device during scanning: ▶ The transmission LED lights up. ORANGE: No receiver found.
	If the WMS Wall mounted transmitter basic finds a receiver, transmitter or sensor that has not yet been learned in, scanning is stopped. It is indicated as follows: ▶ The transmission LED lights up. RED: New device
	■ When you press the control button , you can check WHICH target device was just found. ▶ The product then waves and the control function LED flashes. RED: The target device (transmitter or sensor) can be added to the network.
	■ Press the STOP button .
	▶ The found target device (transmitter or sensor) is added to the network. ▶ The target device waves in confirmation.
	■ Briefly press the learn button to leave the learn mode.
You can now add additional scanned products in the same manner.	
	■ Briefly press the learn button to leave the learn mode.

NOTE If the large WMS Hand-held transmitter is still in its factory state (no products have been learned in yet), the lights up in red after the transmitter wakes up.

Step 2:
Copy channel from a WMS Wall mounted transmitter basic to a WMS Hand-held transmitter

Button/display	Action/result
	■ Press the learn button briefly. ▶ The L LED lights up green.
	■ Wake up the large WMS Hand-held transmitter with any product button. ■ Select the desired channel on the target transmitter by pressing and holding the button of the desired product.
	■ Briefly press the learn button on the TARGET TRANSMITTER. ▶ The L LED lights up green.
	▶ The transmission LED on the WMS Wall mounted transmitter basic flashes. GREEN During the transmission of data from the WMS Wall-mounted transmitter to the target transmitter; this ends with Lights up continuously for 2 seconds, transmission successful GREEN Lights up continuously for 2 seconds, transmission successful RED Light up continuously for 2 seconds, error during transmission
	▶ The L LED on the WMS Wall mounted transmitter basic goes out.

Example 5:
Learn the WMS Wall mounted transmitter basic into a new receiver (plug receiver, actuator, etc.)

NOTE The system can be comfortably commissioned using our PC software WMS Studio, a WMS Central transmitter or the WMS Hand-held transmitter.

NOTE Devices that do not belong to a network yet, and are not intended to be learned in, must be de-energised.

Button/display	Action/result
	■ Press the learn button on the WMS Wall mounted transmitter basic for approx. 5 seconds.
	▶ The L LED lights up green; the transmission LED flashes. For several seconds, the WMS Wall mounted transmitter basic scans the range for receivers.
	■ By pressing the learn button again, the process can be aborted. ▶ The L LED goes out.
	If, while scanning, the WMS Wall mounted transmitter basic finds a target device (receiver, transmitter, sensor) that has already been learned in: ▶ The transmission LED lights up. GREEN: Lights up continuously for 2 seconds Then scanning continues.

Button/ display	Action/result
	The WMS Wall mounted transmitter basic does not find any device during scanning: ► The transmission LED  lights up. ORANGE: No receiver found.
	If the WMS Wall mounted transmitter basic finds a receiver, transmitter or sensor that has not yet been learned in, scanning is stopped. It is indicated as follows: ► The transmission LED  lights up. RED: New receiver
	- When you press the control button , you can check WHICH target device was just found. - The product then waves and the control function LED  flashes. GREEN: The target device is a receiver for which the product type can be adjusted.
	By pressing the UP and DOWN arrow buttons, you can select the desired receiver/product type: - Press UP - Flashing increases by one - Press DOWN - Flashing decreases by one
	► Depending on the frequency with which the control function LED  flashes, the corresponding product type is displayed: 1 x GREEN: Awning 2 x GREEN: Roller shutter 3 x GREEN: External venetian blind 4 x GREEN: Light 5 x GREEN: Window
	- To check which product type was set, press the control button . - The flashing of the control function LED  indicates which product type was selected.
	- Press the STOP button . - The appropriate product type is now assigned to the receiver.
	► The transmission LED  lights up for 2 seconds. GREEN This confirms the assignment.
NOTE	The first receiver that is learned into the WMS Wall mounted transmitter basic defines the channel type. If an external venetian blind is learned in as the receiver first, the channel type is defined as an external venetian blind channel and only external venetian blinds can be learned in.
	- The transmission LED  flashes GREEN: The scan process is now repeated automatically until no more new devices are found. - The transmission LED  lights up. ORANGE: The scan is ended.
	► Briefly press the learn button to leave the learn mode.

Example 6:

Delete learned-in products from the WMS Wall mounted transmitter basic and the network

You can remove the learned-in products completely from the WMS Wall mounted transmitter basic and the network. First, scanning is repeated (see example 5 on page 6) to identify the learned-in devices.

NOTE Devices that do not need to be deleted must be de-energised.

As soon as the transmission LED lights up orange, you can start the deletion process.

Button/ display	Action/result
	► Press the learn button on the WMS Wall mounted transmitter basic for approx. 5 seconds.
 + 	► The L LED  lights up green; the transmission LED  flashes. For several seconds, the WMS Wall mounted transmitter basic scans the range for receivers.
	- By pressing the learn button again, the process can be aborted. - The L LED goes out.
	If, while scanning, the WMS Wall mounted transmitter basic finds a target device (receiver, transmitter, sensor) that has already been learned in: ► The transmission LED  lights up. GREEN: Lights up continuously for 2 seconds Then scanning continues.
	► The transmission LED  lights up for 2 seconds. ORANGE Scanning stops.
 + 	- Press the STOP button  and  simultaneously. - The delete command is sent to all learned-in receivers. - Those receivers that are still learned-in wave when they are deleted from the WMS Wall mounted transmitter basic and the network.
	The transmission LED  indicates the result of the deletion process: ► The transmission LED  flashes GREEN: The devices are deleted. ► The transmission LED  flashes RED: Not all target devices have been deleted.
	- Press the STOP button . - The deletion command is sent repeatedly to find receivers that were not within the radio range during the first deletion command and to delete them as well.
	► Briefly press the learn button to leave the learn mode.

NOTE When you delete a receiver from the network, it can no longer be operated via other transmitters. It must be relearned into a network.

NOTE It only makes sense to delete products via the WMS Wall mounted transmitter basic in smaller networks (two to three awnings or roller shutters). In more complex networks and when routing tables are used, a normal WMS hand-held transmitter or a central control unit should be used for deletion.

Maintenance and cleaning

Dismantling

- To remove the wall-mounted transmitter (for example to change the battery), carefully pull the clipped wall-mounted transmitter off of the frame.
- Hold onto the central frame/plate as it comes loose automatically when the wall-mounted transmitter is removed.

Replacing the batteries

Replace the battery if the transmission LED lights up orange after the WMS Wall mounted transmitter basic is activated. If the battery is fully depleted, the WMS Wall mounted transmitter basic can no longer be activated.

- When inserting the new battery (coin cell CR 2032), watch for the correct polarity: The positive terminal (+) of the battery faces up (visible), the minus terminal (-) of the battery faces down (see *Fig. 4*). Only touch the battery on its edge.

NOTE When inserting the battery, make sure that the printed circuit board is not damaged.

- Use a high-quality battery – inexpensive batteries may leak and damage the device. If the device will not be used for an extended period, please remove the battery.

Cleaning

Clean the housing with a microfibre cloth or a soft damp cloth. Do not use detergents or cleaners, abrasive substances or steam cleaners.

Liability

Failure to comply with the product information in these instructions and use of the unit in a manner that contravenes its intended use and purpose may result in the manufacturer refusing to honour warranty claims for product damage. In this case, liability for secondary harm to persons or damage to property will also be excluded. Follow the instructions in the operating instructions of your sun shading system. Liability is also excluded for damage to the sun shading system resulting from operation under icy conditions.

Disposal

After use, the device and the battery must be disposed of according to legal regulations or brought to your local recycling centre.

Technical data

WAREMA Mobile System WMS Wall mounted transmitter basic	Min.	Typ.	Max.	Unit
Supply				
Battery type	1 x coin cell CR 2032			
Operating voltage	1.8	3.0	3.2	V DC
RF transceiver				
Transmission frequency	2.40		2.48	GHz
Transmission power			0	dBm
Reception sensitivity		-95		dBm
Range (environment without interference)		30		m
Housing				
WMS Wall mounted transmitter basic (L×W×H in mm)	50 × 50 × 10.5			
Mounting frame (L×W×H in mm)	70 × 70 × 5			
Degree of protection	IP30			
Safety class	III			
Automatic operation	Type 1			
Software class	A			
Location of use	Clean ambient conditions, dry rooms (e.g. living areas, offices)			
Conformity	 Viewable under www.warema.com			
WAREMA Renkhoff SE declares herewith that this radio system type [WMS Wall mounted transmitter basic] is in compliance with the current guidelines.				
Ambient conditions				
Operating temperature	0		50	°C
Storage temperature	0		70	°C
Rel. humidity (non-condensing)	10	40	85	%R _H
Article numbers				
Scope of delivery				
WMS Wall mounted transmitter basic anthracite			1002 964	
WMS Wall mounted transmitter basic white			1002 881	
WMS Wall mounted transmitter basic silver			2003 494	
Optional accessories				
WMS Wall mounted transmitter frame, anthracite (consisting of a central frame/ plate and switch program frame)			2004 343	
WMS Wall mounted transmitter frame, white (consisting of a central frame/ plate and switch program frame)			2004 341	
WMS Wall mounted transmitter frame, silver (consisting of a central frame/ plate and switch program frame)			2004 342	
WAREMA Renkhoff SE Hans-Wilhelm-Renkhoff Strasse 2 97828 Marktheidenfeld, Germany				