

4-Way Wireless Pushbutton Switch

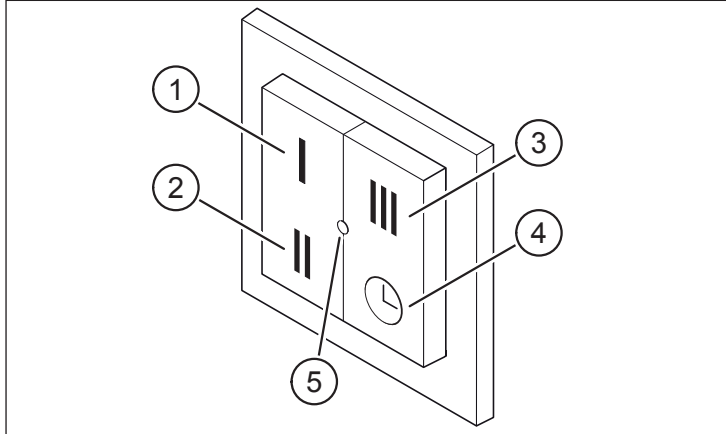


Fig. 1: 4-way wireless pushbutton switch

Ventilation levels/programs (factory default settings)		
Item	M-WRG-II	M-WRG
1	Ventil. level I: 10 / 20* m ³ /h	Ventil. level I: 15 / 20* m ³ /h
2	Ventil. level II: 30 / 40* m ³ /h	Ventil. level II: 30 / 40* m ³ /h
3	Ventil. level III: 50 / 60* m ³ /h	Ventil. level III: 60 m ³ /h
4	Intensive ventilation 100 m ³ /h for 15 min	
5	Status LED (see table in section 5)	

* Options M-WRG-II O/LFS, M-WRG-II O/MVS or M-WRG O/LFS, M-WRG O/MVS change the button assignment

1 Introduction

1.1 Notes on these instructions



These instructions contain important information that should be followed when installing and using the 4-way wireless pushbutton switch.

- ▶ Read all the instructions carefully to avoid possible risks and mistakes.
- ▶ These instructions are part of the product. Keep the instructions in a safe place for future reference.

NOTICE

- ▶ When operating the ventilation unit, also follow the operating instructions that were supplied with your unit.

1.2 Description

The 4-way wireless pushbutton switch is used for wireless operation of ventilation units from the M-WRG-II and M-WRG series constructed from July 2018 onwards and with device no. 11807xxxx or later (excluding types -S 485, -S 485-TF, -S 485-TFC). Only one ventilation unit may be operated using the wireless pushbutton switch. On the other hand, up to five wireless pushbutton switches may be registered with one ventilation unit.

The wireless pushbutton switch may be mounted on the wall or in an empty flush-mount box, for example, using the adhesive tape or with screws. This makes it an alternative to the client's own 3-step rotary switch. The wireless pushbutton switch may be combined with other switch programs (e.g. Gira System 55); this must be tested on site on an individual basis.

The buttons (items 1 to 4 in Fig. 1) are used to activate four different ventilation levels/programs. The LED (item 5 in Fig. 1) signals operating statuses of the wireless pushbutton switch and ventilation unit. The optional M-WRG-FBH wireless remote control, part no. 5478-10, can be used to program the button assignment of the wireless pushbutton switch. You will find more details in the "User guide for wireless remote control M-WRG-FBH". The wireless pushbutton switch can also be used in parallel with the wireless remote control and in conjunction with the U² installation version and all M-WRG-II and M-WRG covers.

1.3 Target group

These instructions are intended for users of the 4-way wireless pushbutton switch. No special prior knowledge is needed.

1.4 EU declaration of conformity

The 4-way wireless pushbutton switch described below

Type: M-WRG-FT

Part number: 5478-20

manufactured by

Meltem Wärmerückgewinnung GmbH & Co. KG

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conforms to the regulations and standards listed in the EU Declaration of Conformity.

1.5 Technical data

Product characteristics	
Dimensions (W x H x D)	83 mm x 83 mm x 17 mm
Weight	approx. 52 g
Colour	white, similar to RAL 9010
Material of the plastic parts	ABS
Ambient conditions	
Ambient temperature during operation	0 °C to 40 °C
Ambient temperature for storage and shipping	-20 °C to 40 °C
Relative humidity	0 % to 90 %, non-condensing
IP code (IEC 60529)	IP30
Battery	
Type	CR2032
Lifetime	6 years
Wireless connection	
Communication frequency	868.3 MHz
Output power	at least 0 dBm

1.6 Environmentally-friendly disposal

 The components of the 4-way wireless pushbutton switch must not be disposed of in the residual waste bin.

- ▶ In Germany, metal and plastic components should be disposed of at the local recycling centre. The national regulations in other EU states should also be followed.
- ▶ In Germany, electrical components should be disposed of in accordance with the Electrical and Electronic Equipment Act (ElektroG). In other EU states, the national implementation of the Waste Electrical and Electronic Equipment Directive 2012/19/EU (WEEE) should be followed.
- ▶ In Germany, rechargeable batteries and accumulators should be disposed of in accordance with the Batteries Act (BattG). The national implementation of the Battery Directive 2006/66/EC should be followed in other EU states.
- ▶ The regulations and statutory requirements in your own country concerning disposal should also be followed.

1.7 Explanation of the symbols used

- ▶ This symbol indicates an action to be taken.
- This symbol indicates a list.

2 Safety

The 4-way wireless pushbutton switch is approved only for use in dry interior areas and must be protected against humidity and moisture to prevent short-circuits.

2.1 Notes on operation

This unit may be used by children from 8 years old and by persons of restricted physical, sensory or mental abilities or persons lacking experience and knowledge if they are supervised or have been instructed in how to use the unit safely and understand the associated hazards. Do not allow children to play with the unit. Cleaning and user maintenance must not be carried out by children unless they are supervised.

2.2 Intended use

The 4-way wireless pushbutton switch must only be used to operate M-WRG-II and M-WRG ventilation units. Any different or more extensive usage will be regarded as contrary to the intended use. The intended use also includes compliance with all the notes in

these instructions.

For any use contrary to the intended use, Meltem Wärmerückgewinnung GmbH & Co. KG shall accept no liability for any damage that may occur and offers no warranty that the components will work perfectly and correctly.

3 Installation

NOTICE

Never install the 4-way wireless pushbutton switch in a metal enclosure, otherwise wireless communication between the switch and ventilation unit will not be possible.

3.1 Preparation

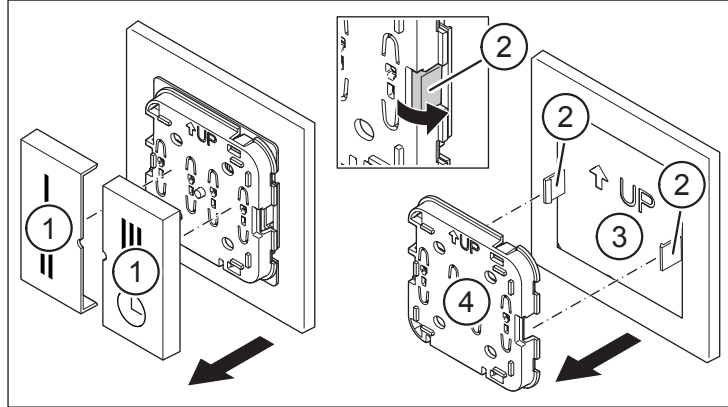


Fig. 2: Removing the buttons and electronic unit

- ▶ Remove the two buttons (item 1 in Fig. 2).
- ▶ Push the two latches (item 2 in Fig. 2) outwards and remove the electronic unit (item 4 in Fig. 2) from the mounting plate (item 3 in Fig. 2).

3.2 Fixing the mounting plate

There are 3 ways to fix the mounting plate at the desired installation location. Make sure that the arrow labelled "UP" is always pointing upwards.

1. Fixing to the wall with screws:

- ▶ Insert 2 screws through the slots in the mounting plate and fix it to the wall. You can use the mounting plate as a template if you need to drill holes for dowels.

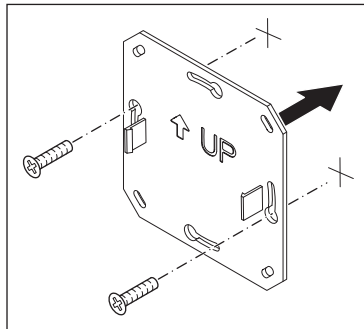


Fig. 3: Fixing the mounting plate

2. Fixing to the flush-mount box with screws:

⚠ DANGER

Danger of death by electric shock

There must be no live wires in the flush-mount box.

- ▶ Insert 2 screws through the slots in the mounting plate and fix it to the flush-mount box.
3. Sticking the mounting plate to the wall:
 - ▶ Clean the surface to which you want to stick the mounting plate.
 - ▶ Remove the protective film from the adhesive tape on the mounting plate and press the mounting plate onto the wall.

3.3 Assembling the wireless pushbutton switch

- ▶ Place the frame (item 1 in Fig. 4) on the mounting plate (item 2 in Fig. 4).
- ▶ Snap the electronic unit (item 3 in Fig. 4) onto the latches on the mounting plate. Make sure that the arrow labelled "UP" is always pointing upwards.
- ▶ Place the two buttons (item 4 in Fig. 4) onto the electronic unit.

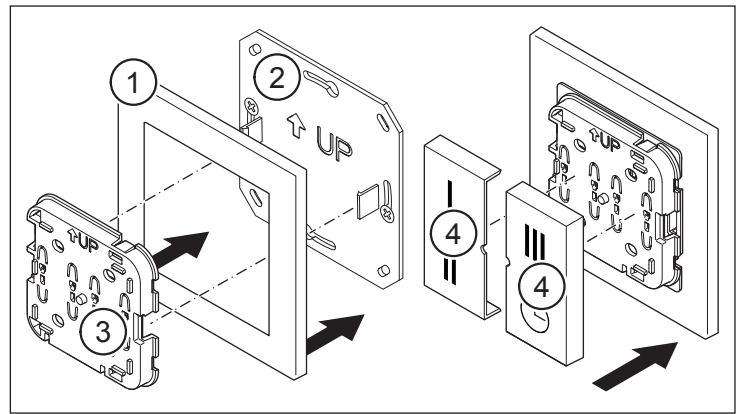


Fig. 4: Assembling the wireless pushbutton switch

4 Starting up

- ▶ Switch the ventilation unit on. It remains in connection mode for 2 minutes.
- ▶ Press the I and III or II and ⌚ buttons on the wireless pushbutton switch at the same time until the ventilation unit beeps twice and the Status LED (item 5 in Fig. 1) on the wireless pushbutton switch flashes green twice.

5 Operation

- ▶ Use the I, II, III or ⌚ button to select the desired ventilation level/program (see Fig. 1).

The Status LED (item 5 in Fig. 1) provides the following feedback when the button is pressed:

LED colour	LED flashes	Description
Green	1x*	The ventilation unit has received and is carrying out the command
Green	2x	The wireless connection to the ventilation unit was established successfully
Orange	1x*	The battery in the wireless pushbutton switch needs to be changed
Orange	2x*	The air filters in the ventilation unit need to be changed
Red	1x*	No wireless connection to the ventilation unit
Red	2x*	Error message from the ventilation unit

* The LED feedback is shown every time the button is pressed.

6 Resetting the filter change indicator

- ▶ Hold down the I and ⌚ buttons on the wireless pushbutton switch for at least 4 seconds to reset the ventilation unit's filter change indicator.

To confirm, the ventilation unit beeps three times and the Status LED (item 5 in Fig. 1) on the wireless pushbutton switch flashes green once.

7 Changing the batteries

- ▶ Remove the two buttons (item 1 in Fig. 2) from the wireless pushbutton switch.
- ▶ Push the two latches (item 2 in Fig. 2) outwards and remove the electronic unit (item 4 in Fig. 2) from the mounting plate (item 3 in Fig. 2).
- ▶ Remove the discharged battery (item 1 in Fig. 5) from the electronic unit.
- ▶ Insert the new battery (item 2 in Fig. 5) into the electronic unit. The Status LED (item 5 in Fig. 1) on the wireless pushbutton switch flashes orange once.
- ▶ Reassemble the wireless pushbutton switch (see section 3.3).

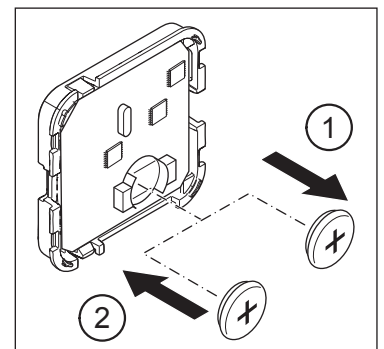


Fig. 5: Changing the battery

8 Cleaning

Wipe the outer surfaces from time to time with a soft, damp cloth. Use mild soapy water. A commercially available plastic cleaner can be used for particularly stubborn dirt. Never use acidic, corrosive or abrasive cleaning agents.