

# VRS SMT Motor Receiver VRS FMT Motor Receiver



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01580008 / 01580009

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Radio Receiver VRS for 1 motor 230VAC  
in SMT or FMT Housing.

### Installation and Operating Instructions

#### Short description

- Radio receiver for control of all types of roller shutter controls
- Direct control of conventional 230VAC drives
- Operation via all transmitters of the Vestamatic Radio System (VRS)

#### Safety precautions



- Contact a professional electrician to install and programming the radio receiver, because the control system requires a power supply of 230VAC, 50 Hz.
- Check the control system for signs of mechanical damage after unpacking. If you notice any shipping damage, do not start up the control system and notify your supplier immediately.
- The radio receiver should only be used for the purpose specified by the manufacturer (refer to the operating instructions). Any changes or modifications thereof are not permissible and will result in loss of all warranty claims.
- If the control unit or the connected sunshade cannot be operated without presenting a hazard, it must be switched off and prevented from being switched on unintentionally.
- When performing work on the windows, controls or connected shades, protect them against unauthorised or unintentional operation.

#### Technical data

Power supply:	230VAC, 50 Hz
Rated power:	0.2 W
Radio-frequency:	868 MHz
Maximum load:	NO: 230VAC/736VA/3.2A (cos φ ≧ 0.8 ind.)
Align switching time:	180 seconds
IP class:	IP 20 (FMT); IP 54 (SMT)
Protection class:	II
Operating temperature:	-10 °C (14 °F) to +40 °C (104 °F)
Dimensions (L x W x H):	50 x 50 x 26 mm
Conformity:	

#### Conformity

This product conforms to the basic requirements of the R&TTE Directive 1999/5/EC. The Declaration of Conformity can be found on the web page: [www.vestamatic.com](http://www.vestamatic.com)

#### Functional description

The radio receiver is designed for opening and closing roller shutters. The control can be operated by Vestamatic Radio System (VRS) hand and wall-mounted transmitters.

#### Installation / Start-up



#### WARNING! Risk of injury due to improper installation and commissioning.

Improper installation and commissioning may lead to personal injury or property damage.

Therefore:

- When connecting the device, observe the currently valid VDE standards (in particular DIN VDE 0100/0700), your local power company's regulations and the current accident prevention regulations.
- Connect the control in accordance with the wiring diagram.

#### Notes for professional electricians

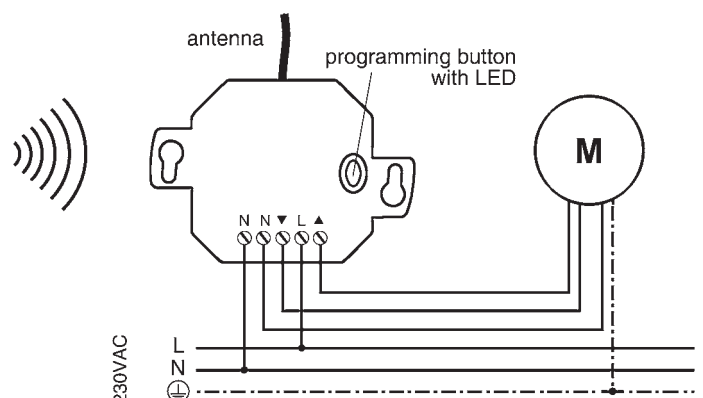
1. Switch off the power supply.
2. Connect the device in accordance with the wiring diagram.
3. Mount the receiver on a suitable mounting location (see chapter "Instructions for radio receivers").
4. Switch on the power supply.
5. After connecting the receiver is in operating mode. The LED is off.
6. Transfer the codes of the transmitters to the receiver (see following sections).



#### ATTENTION!

In order to attain maximum reach, lay the antenna stretched out and not wound. Keep sufficient distance to large-surfaced metal parts. The antenna must not be shortened, stripped or lengthened.

#### Wiring diagram

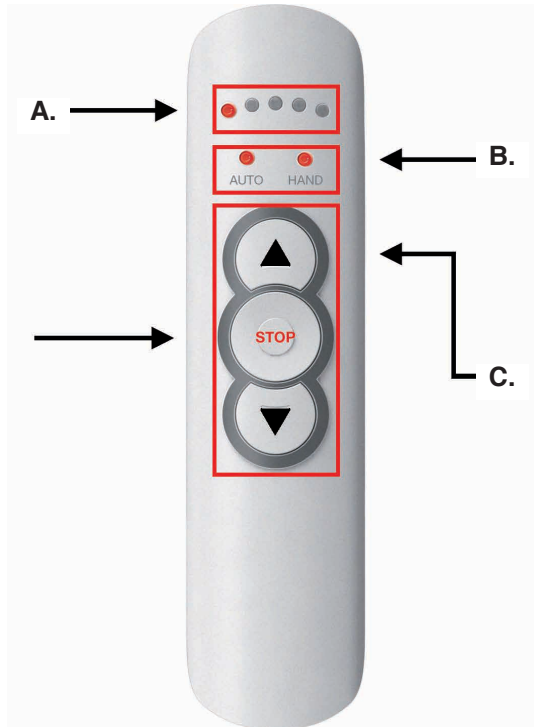


**Functions, programming and cancelling the remote control settings**

A. LED indication of selected channel of the transmitter.

**To change channel:**

Press and hold "stop" for 3–6s (LED start to blink), then use the ON/UP ▲ or OFF/DOWN ▼ button to select wanted channel and confirm by pressing "stop".



B. Radio remote control 5K:

Normally used to select manual or automatic mode. Not used for this device.

Radio remote control 10K:

Left LED indication channel 1–5  
Right LED indication channel 6–10

C. Manual control buttons.

Channel 1–10 = Motor / Shade

Button ON/UP = ▲

Button STOP

Button OFF/DOWN = ▼

**Programming for initial operation respectively after RESET**

Select the required switching channel on your remote control. Change channel as described above by pressing the STOP button.

Switch off the power supply of the radio receiver for minimum 3 seconds.

Switch on the power supply again, the radio receiver is now in programming mode for 30 seconds.



Fig. A

Now press the Prog. button (Fig. A) on the back of the radio remote control, followed by the stop button.

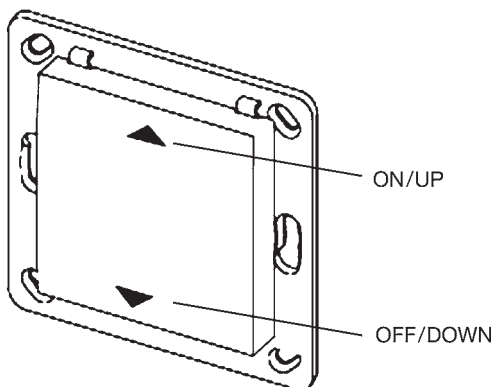
**Successful programming:**

The connected motor carries out two short ON/UP and OFF/DOWN operations.

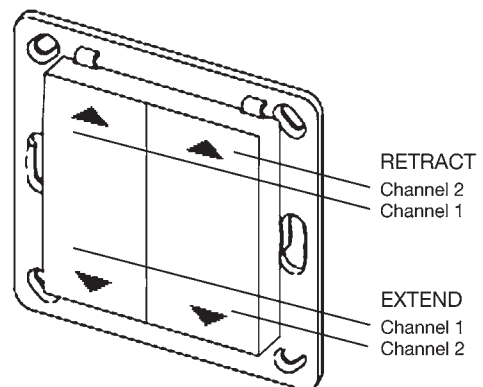
**Function after programming**

Briefly press the ON/UP ▲ or OFF/DOWN button ▼ = self-locking  
Stop function by pushing the stop button or respectively the counter button.

**Function + programming the wall-mounted radio transmitter VRS Switch 1 and 2**



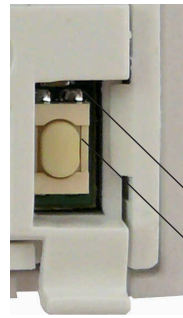
Motor control



Motor control

**Programming for initial operation respectively after RESET.**

Switch off the power supply of the radio receiver for minimum 3 seconds. Switch on the power supply again, the radio receiver is now in programming mode for 30 seconds.



Now press shortly the Prog. Button (Fig. C) on the back of the wall-mounted radio transmitter, the red LED flashes. Now briefly press the ON/UP ▲ or OFF/DOWN ▼ button of the channel you wish to program.

**Successful programming:**

The connected motor carries out two short ON/UP and OFF/DOWN operations.

LED

Programming button

Fig. C

**Function after programming**

Briefly press the ON/UP ▲ or OFF/DOWN button ▼ = self-locking Stop function by pushing the respective counter button.

**Programming of additional devices**

**Programming further radio transmitter resp. wall mounted radio transmitter**

Select the appropriate channel using a pre-programmed radio transmitter. Press the programming button followed by the STOP button (radio remote control) or the ON/UP ▲ or OFF/DOWN ▼ button (wall-mounted radio transmitter). The radio receiver is now in programming mode for 10 seconds. The motor briefly performs an ON/UP and OFF/DOWN command.

Within 10 seconds, select the channel on the new radio transmitter to be programmed. Press the programming button followed by the STOP button (radio remote control) or the ON/UP ▲ or OFF/DOWN ▼ button (wall-mounted radio transmitter).

**Successful programming:**

The motor briefly performs two ON/UP and OFF/DOWN commands.

**Deleting a radio transmitter**

**a) Using the radio remote control**

Select the required channel on the radio transmitter to be deleted.



Fig. A

Now press the Prog. button (Fig. A) on the back of the radio remote control several times until the following LEDs flash (Fig. B). Then press the STOP button. Delete mode will now be enabled for 10 seconds.



Fig. B

**b) Using the wall-mounted radio transmitter**

Select the required channel on the radio transmitter to be deleted.

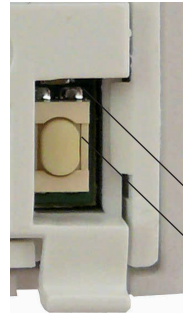


Fig. C

Now press the Prog. button (Fig. C) on the back of the wall-mounted radio transmitter, the red LED flashes. Now briefly press the ON/UP ▲ or OFF/DOWN ▼ button. The radio receiver is now in delete mode for 10 seconds. The motor briefly performs an ON/UP and OFF/DOWN command.

LED

Programming button

**Deleting a radio remote control**

Within 10 seconds, press the STOP button on the radio transmitter to be deleted. When you release the button, the motor briefly performs two ON/UP and OFF/DOWN commands. The radio channel is now deleted.

**Deleting a wall-mounted radio transmitter**

Now, within 10 seconds, press and hold the ON/UP ▲ or OFF/DOWN ▼ button on the radio transmitter to be deleted for at least 5 seconds, before releasing the button again. When you release the button, the motor will briefly perform two ON/UP and OFF/DOWN commands. The radio channel is now deleted.

**Deleting all radio transmitters – RESET of receiver**

**a) Using the radio remote control**



Figure A

Now press the Prog. button (Fig. A) on the back of the radio remote control several times until the following LEDs flash (Fig. B). Then press the STOP button. The motor briefly performs two ON/UP and OFF/DOWN commands. All radio transmitters are now deleted from the receiver.



**b) Using the wall-mounted radio transmitter**



Figure C

Now press the Prog. button (Fig. C) on the back of the wall-mounted radio transmitter for at least 5 seconds, the red LED flashes. Now press the ON/UP ▲ or OFF/DOWN ▼ button for at least 5 seconds before releasing the button again. The motor briefly performs two ON/UP and OFF/DOWN commands. All radio transmitters are now deleted from the receiver.

LED  
Programming button

**Instructions for radio receivers**



**ATTENTION!**

**Radio transmission is not suitable for safety operations, such as emergency-stop, emergency call or warning signals.**

Signals are transmitted across the Europe-wide approved 868 MHz frequency band. The radio transmission range largely depends on the constructional circumstances of the building. If other adjacent radio devices are simultaneously sending signals, mutual interferences cannot be debared. Such interferences can also affect individual units of a group of receivers.

Observing the following instructions will minimize these interferences:

- Avoid to mount radio receivers onto or adjacent to metal surfaces.
- Maintain minimum 50 cm clearance to consumer loads, such as microwave ovens or TV sets.
- Keep a minimum clearance of 50 cm between each mounted radio receiver.
- Keep a minimum clearance of 50 cm between a radio receiver and a radio transmitter.

If a radio-transmitted command cannot be clearly detected, the command execution will be suppressed by means of an integrated automatic safety function. The command must then be issued again.

**Disposal of waste**

**The disposal of electrical equipment and batteries in household waste is strictly forbidden.**



The symbol (dustbin crossed out, in line with WEEE Appendix IV) indicates separate collection of electrical and electronic products in EU countries. Do not dispose of the device or battery in your household waste. Ask your town or local council about the return and collection systems available in your area to dispose of this product.