

**RS Thin Receiver / PF**  
**VRS Thin Receiver Hirschmann**



Art.-no.:  
01580006, 01580007, 01580014

**VRS Thin Receiver**  
**VRS Thin Receiver PF**  
**VRS Thin Receiver Hirschmann**  
(incl. Hirschmann connector)

Art.-no.: 01580007  
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Art.-no.: 01580006

Radio receiver VRS in SMT housing for 1 motor 230VAC or alternatively potential-free.

**Installation and Operating Instructions**

**Short description**

- Radio receiver for control of blind and roller shutter motors
- Visual and mechanical confirmation when programming and resetting via short shutter movements
- Blinds can also be operated with inching mode
- Can be operated with any Vestamatic VRS transmitter
- Easy installation thanks to version with Hirschmann connector

**Technical data**

Power supply:	230VAC, 50 Hz
Rated power:	0.2 W
Radio-frequency:	868 MHz
Maximum load	
Version PF:	Dry contact: NO: 230VAC/736VA/3.2 A (cos φ ≅ 0.8 ind.); 24VDC/2 A
Version Hirschmann:	NO: 230VAC/736VA/3.2 A (cos φ ≅ 0.8 ind.)
Align switching time:	180 seconds
Protection degree:	IP 54
Operating temperature:	-10 °C (14 °F) to +40 °C (104 °F)
Dimensions (L × W × H):	125 × 30 × 23 mm
Conformity:	

**Safety precautions**



**WARNING!**  
**Important safety information. Follow these instructions to ensure the safety of persons.**



- 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 radio receiver for signs of mechanical damage after unpacking. If you notice any shipping damage, do not start up the device 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.
- The radio control is approved for indoor use only.
- When performing work on the windows, controls or connected shades, protect them against unauthorised or unintentional operation.
- This device is not intended to be used by persons with limited physical, sensory or mental aptitude or lack of experience and/or knowledge unless they are supervised by a person responsible for their safety or have received instruction from this person as to how the device is used.
- Keep children away from the remote controls.

**Functional description**

The device is used to control blinds and shutters. You can independently control your sunshades according to your requirements using a VRS transmitter.

**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.
- For the variant without a Hirschmann connector, when connecting to the local power supply, an all-pole disconnect switch with a minimum contact gap of 3 mm in each pole (e.g. an automatic circuit breaker) must be incorporated into the permanently installed electrical installation.
- The user must not attempt to repair the receiver's cables. Devices with faulty cable must be sent for repair or scrapped.

**Notes for professional electricians**

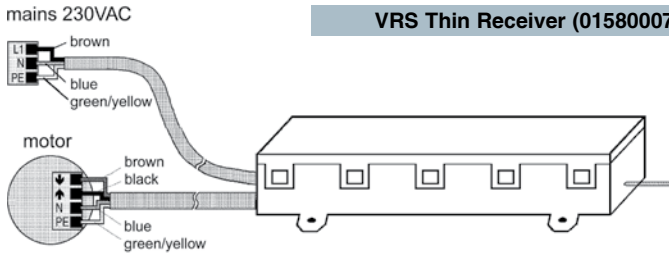
1. Switch off the power supply.
2. Connect the radio receiver in accordance with the wiring diagram. Switch on the power supply.
3. Now program a transmitter as described in section "Program VRS radio transmitter" (p. 2).
4. Press the channel buttons to check that the motor is moving in the right direction. In case of wrong running direction, swap over the brown and black wires on the radio receiver's motor cable.

**Wiring diagrams**

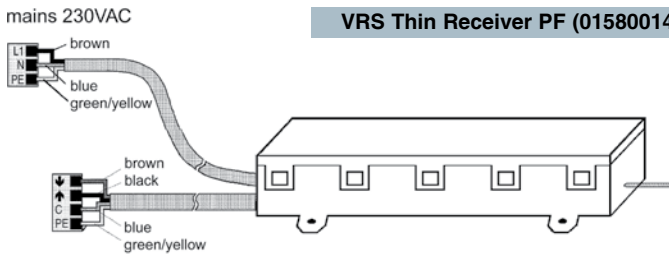


**ATTENTION!**

Parallel control of more than one conventional drive motor can only be implemented by means of isolating relays and group control devices.

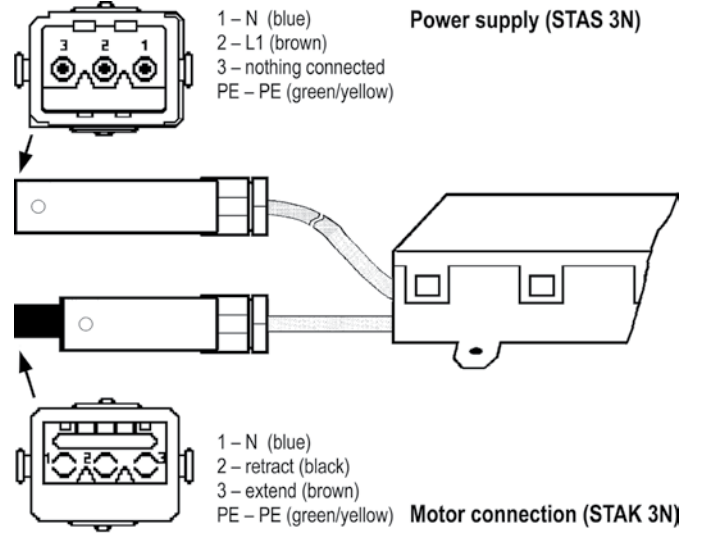


**VRS Thin Receiver (01580007)**



**VRS Thin Receiver PF (01580014)**

**VRS Thin Receiver incl. Hirschmann connectors (01580006)**



**Enter programming mode / Program VRS radio transmitter**

The receiver can be controlled by various VRS transmitters. Consecutively they are described according to transmitter type.

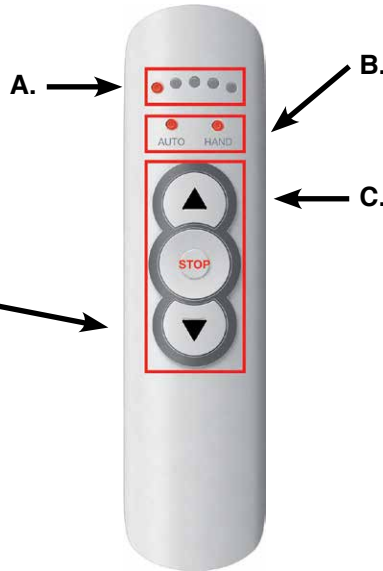
**Function + Programming Transmitter**

**Radio remote control VRS**

A. LED indication of selected transmitter channel. In total there are five transmitter channels:

**To change channel:**

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



B. Functionality not used for this device.

**C. VRS WISO-R Transmitter 5**

- Manual control buttons.
- Channel 1-5 = Motor/Shade
- Button ON/UP = ▲
- Button STOP
- Button OFF/DOWN = ▼

**VRS Transmitter 10**

- Manual control buttons.
- Channel 6-10 = 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.

**Setting the operating modes "Inching mode" or "Direct operation"**

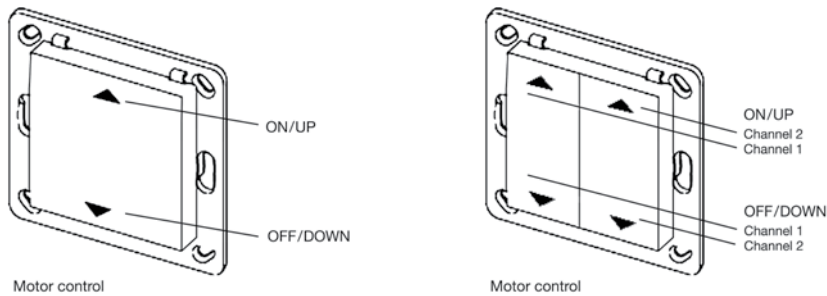
	<p>Switch off the power supply of the VRS Thin Receiver.</p> <p>Press the <b>Prog.</b> button on the back of the radio transmitter several times until the following LEDs flash.</p>	
	<p>Then use the <b>UP</b> and <b>DOWN</b> button to select the mode.</p> <ol style="list-style-type: none"> <li><b>UP</b> button = inching mode (see Fig. D)</li> <li><b>DOWN</b> button = direct operation mode (see Fig. E)</li> </ol> <p>Switch on the power supply of the VRS Thin Receiver.</p>	 <p>Fig. D</p> <p>Fig. E</p>
	<p>Confirm the selected mode by pressing the <b>STOP</b> button.</p> <p>Successful programming:</p> <ul style="list-style-type: none"> <li>The connected motor carries out short UP and DOWN operations.</li> <li>LEDs are blinking for another period of 15 seconds. The Programming is completed.</li> </ul>	

**ATTENTION!**  
Setting operating mode only possible with the VRS WISO transmitter 5.

**Functions after programming**


- Inching mode**  
Briefly press the ON/UP or OFF/DOWN button = inching mode  
Briefly press the ON/UP or OFF/DOWN button for more than 3 seconds = self locking
- Direct operation mode**  
Briefly press the ON/UP or OFF/DOWN button = self locking

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



**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.

Fig. C

**Function after programming**

Briefly press the ON/UP ▲ or OFF/DOWN button ▼ = inching mode  
Press the ON/UP ▲ or OFF/DOWN ▼ button for more than 3 seconds = self-locking  
Stop function by pushing the respective opposite 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 **Prog.** 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 **Prog.** 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 paired radio transmitter**

**a) Using the radio remote control**

**STEP 1:**

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**

**STEP 1:**

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**

**STEP 2:**

Within 10 seconds, press the **STOP** button on the radio transmitter to be deleted. By 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**

**STEP 2:**

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**

**a) Using the radio remote control**



Fig. A

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.



Fig. B

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



Fig. C

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**

**Perform factory reset**



**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 close 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 control command must then be repeated.

Switch the controller 5 times ON and OFF.

ON time = 2 seconds / OFF time = 5 seconds.

This process must be repeated 5 x, at the 6th turning on, the motor moves, short in both directions, all paired VRS transmitters are now deleted. The controller will now remain for 30 seconds in the programming mode. Now immediately program the new VRS transmitter within the first 30 seconds.

**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.