Vestamatic®

GB

PRO

8150 001 GB 5118 A14

VL-ME-WISO-230-35 VRS

Vestaline VRS-Line motors

VL-ME-WISO-230-35/6Nm VRS Art.-no.: 01066390
VL-ME-WISO-230-35Q/6Nm VRS Art.-no.: 01066400
VL-ME-WISO-230-35/10Nm VRS Art.-no.: 01066411

Vestaline motors for controlling sunshades.

Installation and Operating Instructions

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1. Safety precautions

WARNING!

Important safety information.
Follow these instructions to ensure the safety of persons. The instructions must be stored.

- Contact a professional electrician to install the motor, because the motor requires a power supply of 230VAC, 50 Hz.
- Check the motor for signs of mechanical damage after unpacking. If you notice any shipping damage, do not start up the motor and notify your supplier immediately.
- The motor 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.
- Technical data can be found on the type label of the tubular motor.
- If the motor 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, motor or connected shades, protect them against unauthorised or unintentional operation.
- Moving parts of the motor installed under 2.5 m above the floor level should be protected.
- This device is not intended for use by persons (including children) with reduced physical, sensory or mental abilities or lack of experience and/or lack of knowledge, unless they are supervised by a person responsible for their safety, or received instructions on how the device is to be used.
- Children should be supervised to ensure that they do not play with the device.
- Children are not allowed, to play with fixed controls. Keep remotes away from children.
- The installation has to be checked frequently for imbalance or of signs of wear, damaged cables or springs, if applicable.
- Automatically controlled awnings have to be disconnected from the supply network, e.g. if maintenance work has to be done close to them.
- Before the motor is installed, all unneeded wires must be removed and all devices which are not required for actuation with a power drive must be put out of operation.
- The actuating element of a hand release is to be installed at a height of less than 1.8 m.
- The mains cable of this device cannot be replaced. If the mains cable is damaged, the device has to be discarded.

ATTENTION!

Pay attention to the following European guidelines:

- The cables must conform to the applicable VDE standard.
- If installing motors with a PVC H05VV-F cable, the cable on surface-mounted outdoor installations and recessed-mounted installations must be protected by a cable conduit or cable duct.
- When installing the motor an all-pole disconnection with a contact gap of at least 3 mm per pole must be provided.
- The up and down directions of the switch resp. button must be electrically or mechanically locked against each other. The changeover time for changing the running direction (up / down) must be least 0.5 sec.

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 motor in accordance with the wiring diagram.
- It is important for the safety of professional electricians to follow the user instructions. Please keep instructions for reference.

ATTENTION!

- Follow the safety instructions according to EN 60335-2-97.
- Additional components for the implementation of the installation, such as adaptors and brackets must be chosen among those offered by the producer. These products are listed in the catalogue supplied on request.
- When mounting the drive always use the safest and most suitable tubular motor and mounting bracket.
- For automatically actuated awnings a minimum gap of 0.4 m to other parts in the area must be maintained when the awning is fully extended. By using as an awning system the extended awning must maintain a minimum height of 1.8 m.

IMPORTANT!

Any screws used to fix the sunshade system / awnings must in no way touch the motor. Please refer to fig. 4.1 to 4.5.

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2. Short description

- Motor 35 mm tube diameter for sunshades
- Programmable upper and lower limit position
- Limit positions can be virtual or physical (upper position)
- Parallel connection allowed
- User-friendly operation in switch mode with standard buttons and/or via VRS radio transmitter
- Intermediate positions storage
- Anti-block function
- Simple setting of the limit position with the “VL-Progset-ME/SMI-230” (Art.-no.: 54185775)
- Re-synchronisation of physical limit positions
- Cable 2.5 m white

3. Scope of delivery

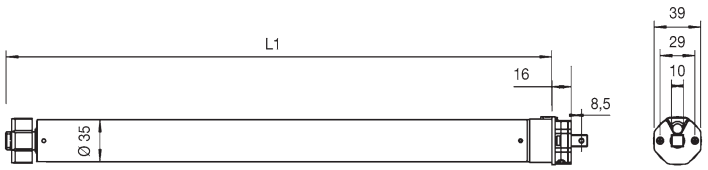
- Motor 35 mm tube diameter with 2.5 m connection cable
- Operating instructions

4. Intended use

These types of tubular motor described in these manual is intended solely for controlling sunshade systems, awnings, screens or roller blinds. These types of tubular motor cannot be used in potentially explosive area.

These types of tubular motor are designed for using in a single sunshade system.

5. Technical data



Article	VL-ME-WISO-230-35/	6Nm VRS	Q/6Nm VRS	10Nm VRS
	Art.-no.:	01066390	01066400	01066411
Torque (nominal)	Nm	6	6	10
Output speed	rpm	28	28	17
Tractive power	kg	17	17	25
Supply voltage	VAC	230	230	230
Frequency	Hz	50	50	50
Rated power	W	154	161	156
Rated current	A	0.67	0.70	0.68
Running time	Min.	4	4	4
Protection degree	IP	44	44	44
Radio frequency	MHz	868	868	868
Length L1	mm	570	570	570

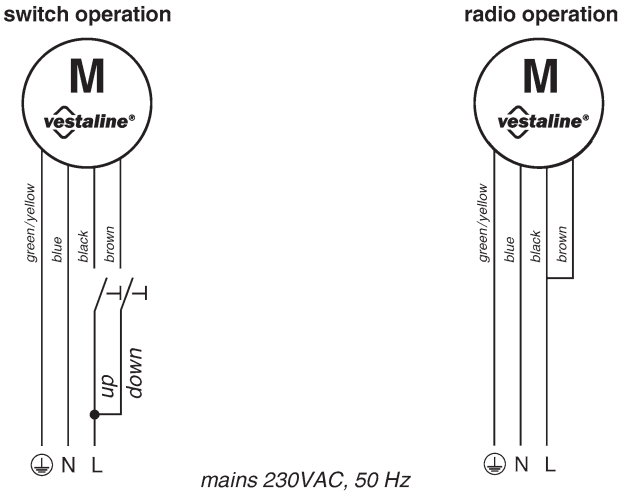
6. Installation, assembly, disassembly

Wiring diagram

ATTENTION!
Parallel control of more than one conventional drive motor can only be implemented by means of isolating relays.

Wire colours of motor connection cables:

– green/yellow: ground conductor / PE – brown: phase turning direction 1
– blue: neutral conductor / N – black: phase turning direction 2



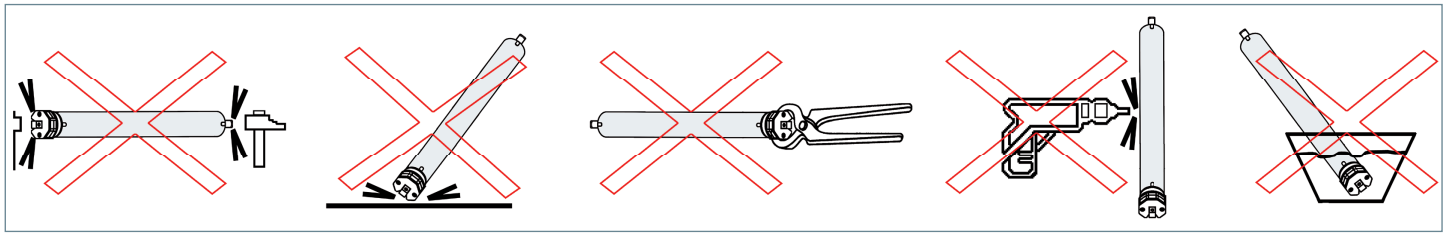


Fig. 4.1 *Fig. 4.2* *Fig. 4.3* *Fig. 4.4* *Fig. 4.5*

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Assembly

1. The connection cable should be installed in an conduit to the junction box, in compliance with the local building and electrical regulations. Avoid any contact between moving objects and connection cables by routing the cables according to figure 1.
2. Move the sunshade or screen completely down before disconnecting the tube connectors.
3. Dissasembly of tubular shaft.
4. Place the mounting bracket to the desired position. Assembly of the motor can be performed on both sides.
5. Slide the adapter ring (A) over the adjustment ring (B) on the motor head (C). Be aware of the correct installation of the notch with the Adapter (D), (figure 2).
6. Place the tube adapter (E) on to the motor axle (F) and secure it with the safety clip (G) that comes within the mounting-kit.
7. Be careful when sliding the tubular motor completely into the tubular shaft, until the adapter ring is covered into the tubular shaft, (figure 3). Under no circumstances external force should be applied to the motor in any way.
8. Place the motor head and tubular shaft into the mounting bracket and check for proper fit. Secure the square pin of the motor head with the safety cotter that comes with the mounting-kit.

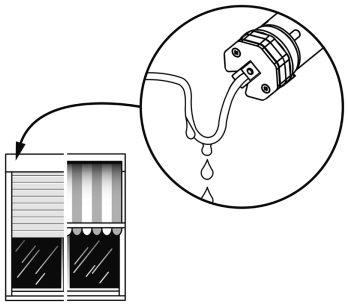


Fig. 1

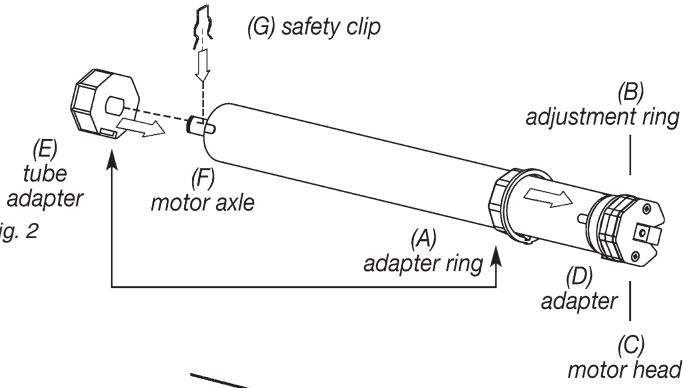


Fig. 2

Disassembly

The workflow is the same as in the section “Assembly” (see above) but in reverse order.

The setup of limit positions can be skipped.

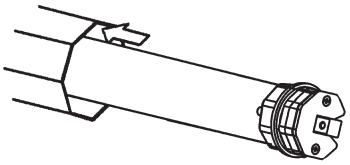


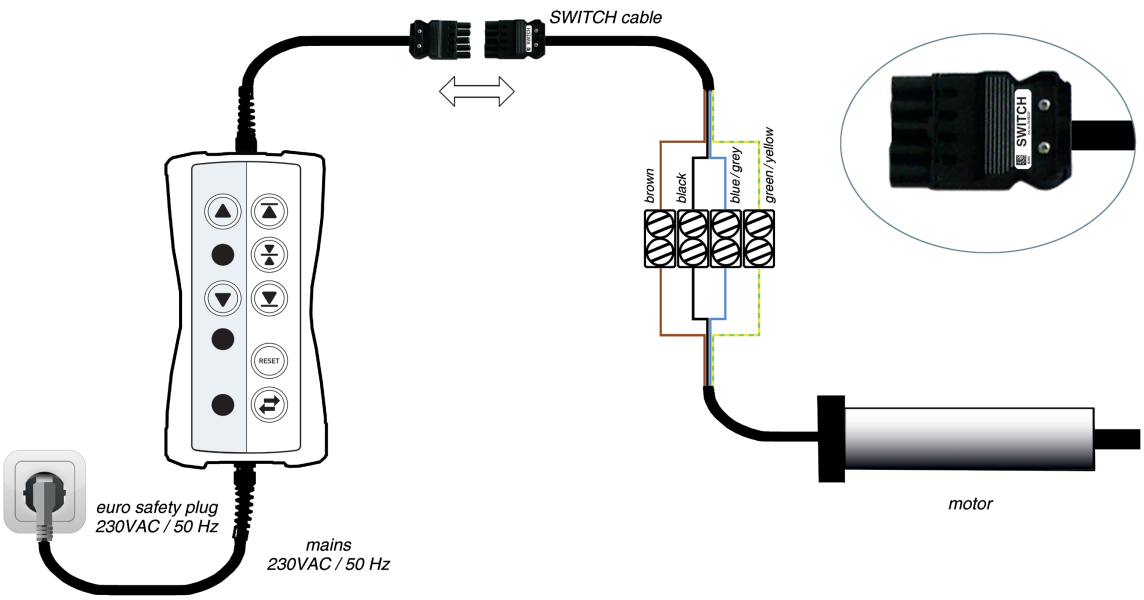
Fig. 3

Electronic limit position setting with Installation tool

How to connect to an Installation tool (VL-Progset-ME/SMI-230 / Art.-no.: 54185775).

IMPORTANT!

- Switch off the power supply. Connect the wire of the motor to the terminal clamps of the installation tool.
- It is important that the motor-wire-colors correspond with the installation-tool-wire-colors, otherwise the motor turning direction could be set incorrect. Switch on the power supply.
- The installation tool is not suitable for continuous operation and has only been used for set the limit position.



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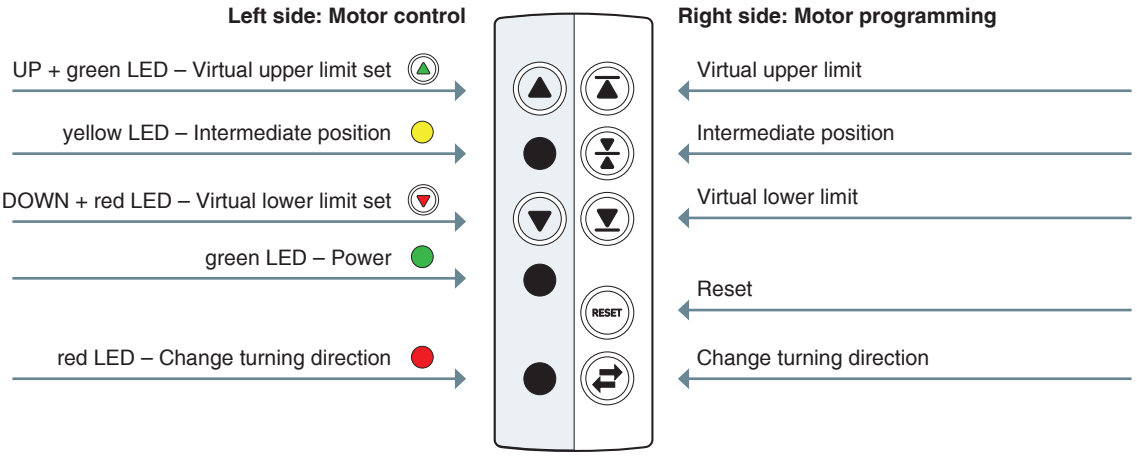
Description of installation tool VL-Progset-ME/SMI-230



Motor control				Motor programming		
Button	Control motor in **UP** direction Hold down the button to move the motor in **UP** direction.					
LED	**green LED** – Virtual upper limit position:					
	OFF	when no “Virtual upper limit” is set.	**green**		**Button**	Set “Virtual upper limit position”.
	Blinking	when “Virtual upper limit” or „Reset“ programming is in progress.				
	Lit solid	when “Virtual upper limit” programming sequence has completed.				
LED	**yellow LED** – Intermediate position:					
	OFF	when no “Intermediate position” is set.	**yellow**		**Button**	Set “Intermediate position”.
	Blinking	when “Intermediate position” programming is in progress.				
	Lit solid	when “Intermediate position” programming sequence has been completed.				
Button	Control motor in **DOWN** direction Hold down the button to move the motor in **DOWN** direction.					
LED	**red LED** – Virtual lower limit position:					
	OFF	when no “Virtual lower limit” is set.	**red**		**Button**	Set “Virtual lower limit position”.
	Blinking	when “Virtual lower limit” or „Reset“ programming is in progress.				
	Lit solid	when “Virtual lower limit” programming sequence has completed.				
LED	**green LED** – Power:					
	OFF	when powerless (it is safe to connect a motor to the Installation Tool).	**green**	RESET	**Button**	Reset
	Lit solid	when attached to mains 230VAC.				
LED	**red LED** – Change turning direction**:**					
	OFF	when no “Change turning direction” is used.	**red**		**Button**	Change motor turning direction.
	Blinking	when “Change motor turning direction” programming sequence is in progress.				
	Lit solid	when “Change motor turning direction” programming sequence has completed.				

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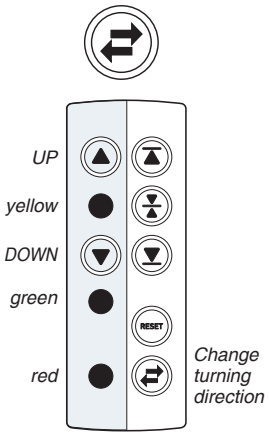


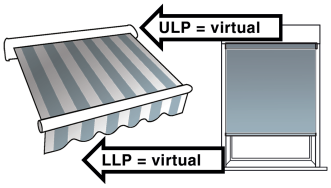
Changing motor turning direction

- Hold down the button ▲ or ▼ to check the motor turning direction.
- When the motor reacts in opposite direction (when motor goes down when you press up and vice-versa), you need to change the motor direction. Motor direction can only be changed during installation phase, when no limit positions are set.
- Press the button ⇄ shortly.
- The *red* LED ● starts blinking as long as the change motor turning direction process is in progress.
- The *red* LED ● lit solid if the process is finished.

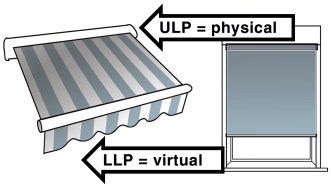
Electronic limit position setting combination

ULP = is an abbreviation for **U**pper **L**imit **P**osition.
LLP = is an abbreviation for **L**ower **L**imit **P**osition.
Following combinations virtual / physical limit position settings are possible:

Virtual – Virtual



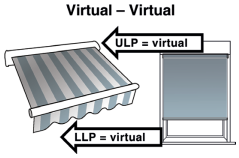
Physical – Virtual

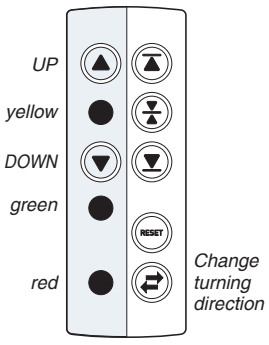


Setting electronic limit position

ATTENTION!

- The motor starts to move with a short delay time during installation-phase, when no limit positions are set.
- **Conditions to use the physical (automatic) limit position settings:** The upper limit stop has to be installed.





Virtual – Virtual

Start with upper limit position setting

- Hold down the button ▲ to move the motor in the requested *upper* limit position.
  For precise moving of the motor briefly press the button ▲, press again and hold.
- Press the button ⏫ shortly.
- The *green* LED of button ▲ starts blinking as long as the limit setting process is in progress.
- The *green* LED lit solid if the process is finished.
- Hold down the button ▼ to move the motor in the requested *lower* limit position.
  For precise moving of the motor briefly press the button ▼, press again and hold.
- Press the button ⏬ shortly.
- The *red* LED of button ▼ starts blinking as long as the limit setting process is in progress.
- The *red* LED of button ▼ lit solid if the process is finished.
- The motor will give a feedback (short UP / DOWN movement) to confirm that the installation procedure has ended.

Start with lower limit position setting

- Hold down the button ▼ to move the motor in the requested *lower* limit position.
  For precise moving of the motor briefly press the button ▼, press again and hold.
- Press the button ⏬ shortly.
- The *red* LED of button ▼ starts blinking as long as the limit setting process is in progress.
- The *red* LED lit solid if the process is finished.
- Hold down the button ▲ to move the motor in the requested *upper* limit position.
  For precise moving of the motor briefly press the button ▲, press again and hold.
- Press the button ⏫ shortly.
- The *green* LED of button ▲ starts blinking as long as the limit setting process is in progress.
- The *green* LED of button ▲ lit solid if the process is finished.
- The motor will give a feedback (short UP / DOWN movement) to confirm that the installation procedure has ended.

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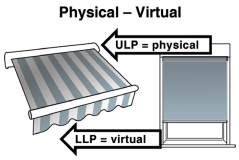
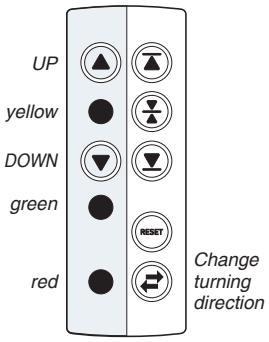
Physical – Virtual





Start with upper limit position setting

– Hold down the button ▲ till motor stops automatically due to obstacle detection. Upper physical limit position is now set.

– Hold down the button ▼ to move the motor in the requested *lower* limit position.
For precise moving of the motor briefly press the button ▼, press again and hold.
– Press the button ▼▼ shortly.
– The *red* LED of button ▼ starts blinking as long as the limit setting process is in progress.
– The *red* LED of button ▼ lit solid if the process is finished.

– The motor needs the following complete movement to memorize the *limit* positions. Hold down the button ▲ till motor stops automatically due to obstacle detection.
– The motor will give a feedback (short UP / DOWN movement) to confirm that the installation procedure has ended.

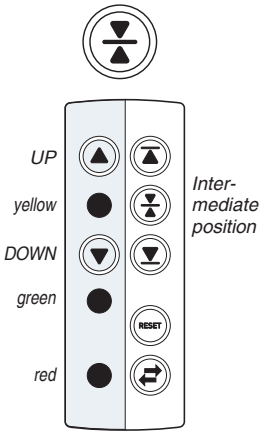
Start with lower limit position setting

– Hold down the button ▼ to move the motor in the requested *lower* limit position.
For precise moving of the motor briefly press the button ▼, press again and hold.
– Press the button ▼▼ shortly.
– The *red* LED of button ▼ starts blinking as long as the limit setting process is in progress.
– The *red* LED lit solid if the process is finished.

– Hold down the button ▲ till motor stops automatically due to obstacle detection. Upper physical limit position is now set.

– The motor needs the following complete movement to memorize the *limit* positions. Hold down the button ▼ to move the motor downwards about 20 cm. Then hold down the button ▲ till motor stops automatically.
– The motor will give a feedback (short UP / DOWN movement) to confirm that the installation procedure has ended.

Save intermediate position



– The intermediate position can be saved only after the lower and upper limit positions have been saved finally.
– Hold down the button ▼ or ▲ to move the motor in the requested position.
– Press button for “Intermediate position” to store the position. The yellow LED flashes while the intermediate position is being stored.
– The yellow LED lit solid if the process is finished.
– The stored intermediate position can be changed/overwritten at any time.

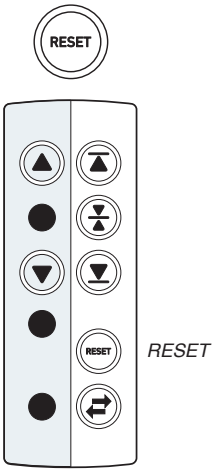
Motor – RESET

Clear – LED status

– Clear the installation tool LED-status. Keep the RESET button ⊖ pressed till the LEDs turn off.

Delete the limit position settings of the motor

– Press the RESET button ⊖, till the LEDs start blinking.
– The LEDs keep blinking as long as the motor reset process is in progress.
– When the reset process is finished, the LEDs turn off, the motor limit positions have been cleared, and can be set again.
– The motor will shortly move during the reset sequence.



NOTE!

Tubular motor might be switched off before reaching the limit position:

Extraordinary large increases of load (anti-block-function) – obstacles, sunshade system keeps jamming, tubular motor is overloaded.

Remedy action:

– Removing the obstacle.
– Check the mechanical parts of the sunshade system.
– Use the correct tubular motor (rated torque – tractive power) according the spezification of the sunshade system.

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Settings / Functions of the motors in radio operation VRS = Vestamatic Radio System

The motor can be controlled with various VRS radio transmitters.

Subsequently, these are described depending on the radio transmitter type.
A maximum of 16 transmitters per motor can be programmed.

Description of radio remote control VRS

Function + Programming Transmitter

A. LED indication of selected channel of the transmitter.

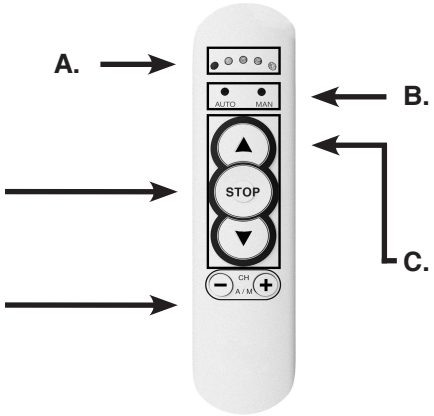
To change channel:

VRS WISO Transmitter 5 (Art.-no. 01580002) / VRS Transmitter 10 (Art.-no. 01580018):
Press and hold "STOP" for 3–6 s (LEDs start to blink), then use the ON/UP ▲ or OFF/DOWN ▼ button to select wanted channel and confirm by pressing "STOP".

VRS Transmitter 5C (Art.-no. 01580070) / VRS Transmitter 10C (Art.-no. 01580080):
Briefly press one of the two channel selection buttons. The LEDs show the current selected channel. Use the button ⊖ or ⊕ to select the channel. The selection is saved immediately.

PROG. button at the back side

Radio Remote Control VRS



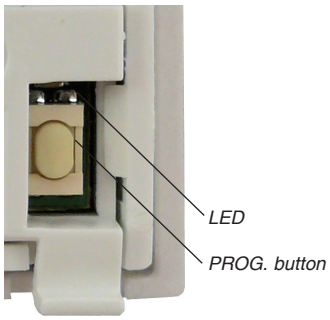
B. VRS WISO Transmitter 5 (Art.-no. 01580002):
Switching from AUTO to HAND mode (receiver-dependent).
Press and hold the "STOP" button (middle button) for 6 seconds, the LEDs AUTO or HAND will start lighting). Release the STOP button and use the UP button to select wanted mode and confirm by pressing "STOP".

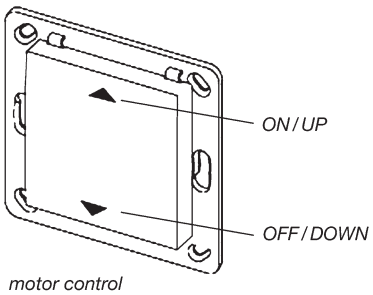
VRS Transmitter 5C (Art.-no. 01580070):
Switching from AUTO to HAND mode (receiver-dependent).
Press and hold the ⊖ button and then press the ⊕ button for 3 seconds until the operating mode switches. The LEDs AUTO or HAND and the channels will light up briefly.

VRS Transmitter 10 (Art.-no. 01580018) / VRS Transmitter 10C (Art.-no. 01580080):
Left LED indication channel 1–5
Right LED indication channel 6–10

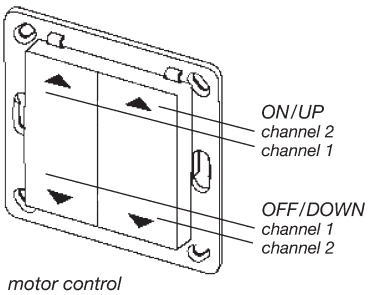
C. Manual control buttons.
Channel 1–10 = Motor / Shade
Button ON/UP = ▲
Button STOP
Button OFF/DOWN = ▼

Description of radio wall transmitter VRS Switch





motor control



motor control

Programming for initial operation respectively after RESET

Radio remote control VRS Transmitter

PROG. button at the back side

- Switch on the power supply of the motor. Programming mode is now active for 60 sec.
- Press **PROG.** button at the back side of the remote control.
- LEDs on the front side of the remote control start flashing.
- Press and release the STOP button shortly. The motor will give a feedback (two short UP/DOWN movements). Programming was successful. The flashing of the LEDs on the front side of the remote control stops after about 15 sec., then the motor can be driven.
- To drive the motor in UP or DOWN direction, please press the respective button. Motor moves with a delay, since no final positions are set.

Radio wall transmitter VRS Switch

- Switch on the power supply of the motor. Programming mode is now active for 60 sec.
- Press **PROG.** button at the back side of the remote control.
- LED starts flashing.
- Press ON/UP or OFF/DOWN button of the channel for programming shortly.
- The motor will give a feedback (two short UP/DOWN movements) to confirm that the installation procedure has ended.
- To drive the motor in UP or DOWN direction, please press the respective button. Motor moves with a delay, since no final positions are set.

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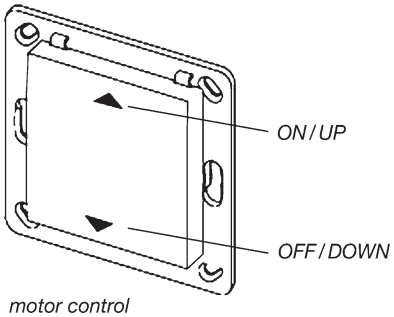
Changing motor turning direction



motor control

- Hold down the button ▲ or ▼ to check the motor turning direction.
- When the motor reacts in opposite direction (when motor goes down when you press UP and vice-versa), you need to change the motor direction. Motor direction can only be changed during installation phase, when no limit positions are set.
- Shortly press the following combination of buttons (within 10 seconds): ▲ ▼ ▲ ▼
- The motor will give a short feedback if the process is finished.

Setting electronic limit position

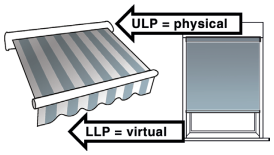
ATTENTION!
The motor starts to move with a short delay time during installation phase, when no limit positions are set.

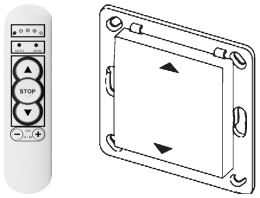
Electronic limit position setting combination

ULP = is an abbreviation for **U**pper **L**imit **P**osition.
LLP = is an abbreviation for **L**ower **L**imit **P**osition.
Following combinations virtual / physical limit position settings are possible:

Physical – Virtual

Physical – Virtual





Both upper and lower limit position are virtual.

Start with upper limit position setting

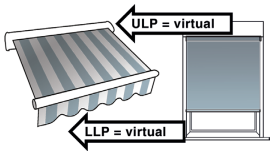
- Hold down the button ▲ till motor stops automatically due to obstacle detection. *Upper* physical limit position is now set.
- Hold down the button ▼ to move the motor in the requested *lower* limit position. For precise moving of the motor briefly press the button ▼, press again and hold.
- Press the following button sequence (within 10 seconds): 5 × short ▼.
- The motor needs the following complete movement to memorize the *limit* positions. Hold down the button ▲ till motor stops automatically due to obstacle detection.
- The motor will give a feedback (short UP / DOWN movement) to confirm that the installation procedure has ended.

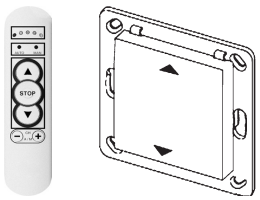
Start with lower limit position setting

- Hold down the button ▼ to move the motor in the requested *lower* limit position. For precise moving of the motor briefly press the button ▼, press again and hold.
- Press the following button sequence (within 10 seconds): 5 × short ▼.
- Hold down the button ▲ till motor stops automatically due to obstacle detection. *Upper* physical limit position is now set.
- The motor needs the following complete movement to memorize the *limit* positions. Hold down the button ▼ to move the motor downwards about 20 cm. Then hold down the button ▲ till motor stops automatically.
- The motor will give a feedback (short UP / DOWN movement) to confirm that the installation procedure has ended.

Virtual – Virtual

Virtual – Virtual





Both upper and lower limit position are virtual.

Start with upper limit position setting

- Hold down the button ▲ to move the motor in the requested *upper* limit position. For precise moving of the motor briefly press the button ▲, press again and hold.
- Press the following button sequence (within 10 seconds): 5 × short ▲.
- Hold down the button ▼ to move the motor in the requested *lower* limit position. For precise moving of the motor briefly press the button ▼, press again and hold.
- Press the following button sequence (within 10 seconds): 5 × short ▼.
- The motor will give a feedback (long UP / DOWN movement) to confirm that the installation procedure has ended.

Start with lower limit position setting

- Hold down the button ▼ to move the motor in the requested *lower* limit position. For precise moving of the motor briefly press the button ▼, press again and hold.
- Press the following button sequence (within 10 seconds): 5 × short ▼.
- Hold down the button ▲ to move the motor in the requested *upper* limit position. For precise moving of the motor briefly press the button ▲, press again and hold.
- Press the following button sequence (within 10 seconds): 5 × short ▲.
- The motor will give a feedback (long UP / DOWN movement) to confirm that the installation procedure has ended.

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Adjusting already set limit positions of the motor
Change the electronic limit positions

IMPORTANT!
The motor starts to move with a short delay time during installation phase, when no limit positions are set.

PROG. button at the back side

NOTE:
Adjusting only with radio remote control, not available with wall-mounted transmitter.

Press the PROG. button twice (see figure left) on the back side of the radio remote control until the following LEDs flash.

Start with lower limit position setting

- Hold down the button ▼ to move the motor in the requested *lower* limit position.
  For precise moving of the motor briefly press the button ▼, press again and hold.
- Press the following button sequence (within 10 seconds): 5 × short ▼.
- The motor will give a short feedback if the process is finished.

- Hold down the button ▲ to move the motor in the requested *upper* limit position.
  For precise moving of the motor briefly press the button ▲, press again and hold.
- Press the following button sequence (within 10 seconds): 5 × short ▲
- The motor will give a short feedback if the process is finished.

- The installation procedure is finished and the limit position settings are saved.
- The blinking of the LEDs on the front side of the remote control disappears after about 15 seconds, then the motor can be driven.

Save intermediate position

NOTE:
Save intermediate position (only with radio remote control, not available with wall-mounted transmitter).

- The intermediate position can be saved only after the lower and upper limit positions have been saved finally.
- Hold down the button ▼ or ▲ to move the motor in the requested position.
- When the desired position is reached, press the following button sequence (within 10 seconds): 5 × shortly the **STOP** button.
- The motor will give a feedback (short UP/DOWN movement) to confirm that the installation procedure has ended.

- Once the intermediate position is stored, the motor reacts according to button stroke length.
  - Press the button ▲ or ▼ = Intermediate position.
  - Press the button ▲ or ▼ for longer than 1 second = run over the intermediate position.
- If a VRS lux sensor is programmed, the motor moves into the intermediate position, according to the lux value of the sensor.
- The stored intermediate position can be changed/overwritten at any time.

Deleting the intermediate position:

- Driving the motor in the lower limit position.
- When the limited position is reached, press the following button sequence (within 10 seconds): 5 × briefly the **STOP** button.
- The motor will give a short feedback if the process is finished.

Motor – RESET

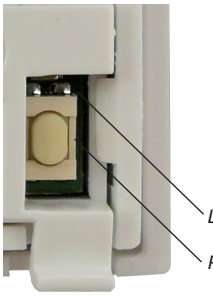
Delete the limit position settings of the motor and all programmed radio transmitter

- By means of the programmed radio remote control

PROG. button at the back side

- Press the **PROG.** button (see figure left) on the back side of the radio remote control several times until the following LEDs flash. Then press the STOP button.
- The motor briefly performs ON/UP and OFF/DOWN commands. The blinking of the LEDs on the front side of the remote control disappears after about 15 seconds, then the motor can be driven.

- By means of the programmed radio wall transmitter



- Press the **PROG.** button for at least 10 seconds (see figure) on the back side of the radio wall transmitter, the red LED flashing fast.
  Now press the ON/UP or OFF/DOWN button for at least 10 seconds, before you release the button.
- The motor briefly performs ON/UP and OFF/DOWN commands.

After the motor RESET, the programming mode is automatically active for 60 seconds. The motor starts to move with a short delay time during installation phase, when no limit positions are set.

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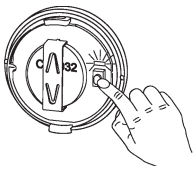
Programming of additional remote controls

Option 1

Switch off the power supply of the motor for minimum 3 seconds. Switch on the power supply of the motor again. Now the programming mode is active for 60 seconds.

- **Radio remote control VRS Transmitter** – as described above.
- **Radio wall transmitter VRS Switch** – as described above.
- **VRS Luxsensor S:**



– Press the **PROG.** button of the lux sensor (s. figure left) shortly.
– Red LED next to the button flashes.
– After successful programming the motor gives a short feedback.

- **VRS WISO Crystal Control**

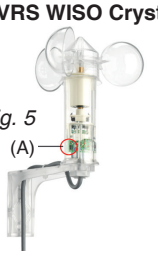


Fig. 5

(A): *Hold magnet close to PROG POINT at the sensor.*

– Hold magnet close to PROG POINT, the yellow LED will be lit up.
– After successful programming the motor gives a short feedback.

NOTE:
A maximum of one lux sensor or VRS WISO Crystal Control can be programmed. Overwriting by another sensor is done by option 2.

Option 2

Programming of additional radio transmitter by means of a programmed radio transmitter.

– Select the corresponding channel with the programmed radio transmitter.
– Press the **PROG.** and then the **STOP** button (radio remote control) resp. ON/UP or OFF/DOWN button (wall-mounted radio transmitter).
– The motor is now for ***10 sec. in programming mode.*** The motor performs a short ON/OFF and UP/DOWN movement command.

- **Programming the radio remote control VRS transmitter:**
  Press the PROG. and then the STOP button.
- **Programming the radio wall transmitter VRS Switch:**
  Press the PROG. and then the ON/UP- or OFF/DOWN button.
- **Programming the VRS Luxsensor S:**
  Press the PROG. button of the lux sensor (s. figure left) shortly.
- **Programming WISO VRS Sensor:**
  Hold magnet close to PROG POINT, the yellow LED will be lit up.

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

NOTE!
See WISO VRS manual how to set sun and wind threshold settings. During the installation phase of the motor (when limit position settings are not confirmed yet by the motor), the WISO VRS commands will be suppressed.

When the motor is blocked by the WISO VRS (due to wind alarm or communication time-out), the motor cannot be operated by remote control, but will give a feedback (short DOWN/ UP movement) to show the user that it is still alive and working.

When no confirmation is given by the motor, possible causes

– Motor did not receive the “Teach” command correctly, or remote control receiver list is full.
– Maximum of 16 Motors can be taught to a motor.
– A other sensor is already “linked” with the motor. A maximum of one lux sensor or VRS WISO Crystal Control can be programmed.

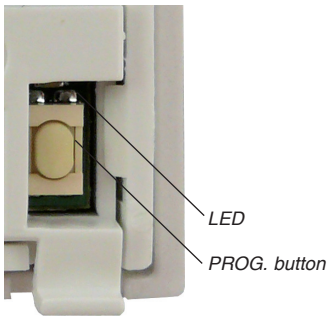
Deleting a programmed radio remote control

- **By means of the programmed radio remote control**

PROG. button at the back side

– Press the **PROG.** button (see figure left) on the back side of the radio remote control several times until the following LEDs flash (Fig. B). Then press the STOP button.
– The motor briefly performs ON/UP and OFF/DOWN commands. Delete mode will now be enabled for 10 seconds.

- **By means of the programmed radio wall transmitter**



– Press the **PROG.** button for at least 10 seconds (see figure) on the back side of the radio wall transmitter once, the red LED flashes.
Now press the ON/UP or OFF/DOWN button for at least 10 seconds, before you release the button.
– The motor briefly performs ON/UP and OFF/DOWN commands. Delete mode will now be enabled for 10 seconds.

- **Deleting a radio remote control VRS Transmitter**

– Within 10 seconds, press the **STOP** button on the radio remote control to be deleted. When you release the button, the motor briefly performs two ON/UP and OFF/DOWN move commands.
– Cancellation is now effective.

- **Deleting a wall-mounted radio transmitter VRS Switch**

– Hold within 10 seconds, the **ON/UP or OFF/DOWN** button on the radio wall transmitter to be deleted for at least 5 seconds, before you release the button again. When you release the button, the motor briefly performs two ON/UP and OFF/DOWN move commands.
– Cancellation is now effective.

- **Deleting a VRS Luxsensor S**

– Within 10 seconds, press the **PROG.** button on the VRS Luxsensor S to be deleted. The LED flashes once, the motor briefly performs two ON/UP and OFF/DOWN move commands.
– Cancellation is now effective.

- **Deleting a VRS WISO Crystal Control**

– Hold magnet close to PROG POINT, the yellow LED will be lit up. See Fig. 5 as described in (A).
– Motor will give a short confirmation (2 × short UP/ DOWN movement).
– Cancellation is now effective.

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7. Troubleshooting

Problem	Possible cause	Solution
■ Motor is not responding.	1. No mains voltage. 2. Connection error. 3. Cutoff by internal temperature fuse.	1. Check mains voltage. 2. Check connections (see wiring diagram). 3. Allow the motor to cool down for 20 min.
■ Motor starts slowly or makes too much noise.	1. Connection error. 2. Installation error or undersized motor selected.	1. Check connections. 2. Check installation and motor load.
■ Motor rotation direction is wrong.	Motor connection cables are reversed.	Disconnect the supply line from the power, and swap the black and brown conductors of the motor cable at the controller.
■ Motor stops while moving up or downwards.	1. Preset endpoint reached. 2. Cutoff by internal temperature fuse.	1. Set the end limits again, according to the instructions. 2. Allow the motor to cool down for 20 min.
■ Motor stops while moving upwards.	Iced sunshade or obstacle in running rail.	Remove icing or obstacle. Release the sunshade by steering the motor in downward direction.

8. Warranty

Principally, the General Terms and Conditions of the manufacturer, Vestamatic GmbH apply. The terms and conditions are part of the sales documents and handed over to the operator upon delivery. Liability claims for personal or material damages are excluded when they can be attributed to one or more of the following causes:

– Unintended use of the product.
– Opening of the product by the customer.
– Improper installation, commissioning, or operation of the product.
– Non-compliance with the specifications.
– Non-observance of the safety provisions and instructions of the Operating Instructions.
– Operation of the product with improperly installed connections, defective safety devices or improperly installed safeguards.
– Modifications to the product.

9. Maintenance

The motor is maintenance-free.

10. 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 IX) 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.

11. Declaration of conformity

These products comply with the essential requirements. These products are conform to the basic requirements of the European Radio Equipment Directive 2014/53EU. The Declaration of Conformity concerning these products are available on our website: www.vestamatic.com.

12. Support/Contact

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