Vestamatic

GB

Touch Control

Art.-no.:
01813500, 01813501,
01813502, 01813503

Touch Control	Art.-no. 01813500
Touch Control Nero	Art.-no. 01813501
Touch Control VRS	Art.-no. 01813502
Touch Control Nero VRS	Art.-no. 01813503

Shutter control for manual or automatic control of electric shutters.

Installation and Operating Instructions

Short description

- Compatible with popular switch ranges
- Simple operation via touchscreen with illuminated display
- Week and day program
- Astro function
- Random function
- Sun function, option of connecting lux sensor
- In-built radio receiver for manual and sun-triggered wireless control
- Central input

Safety precautions

– Contact a professional electrician to install the control system, 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 control system 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.
– This device contains a pollutant battery. The end user must recycle all used batteries in accordance with regulation 91/157/EWG. Disposing of the batteries in household waste is strictly forbidden.
– Keep batteries out of the reach of children.

Technical data

Power supply:	230VAC, 50 Hz
Impulse voltage withstand level:	2.5 kV
Radio-frequency (version VRS):	868 MHz
Rated power:	< 0.5 W
Output (Up/Down):	230VAC, 50 Hz
Maximum load:	250VAC, 3A, cos $\varphi \geq 0.8$ ind.
Align switching time down:	3 to 120 seconds
Tilting time:	0 to 30 seconds
Software class:	A
Operating temperature:	0 °C (32 °F) to +40 °C (104 °F)
IP class:	IP 30
Degree of contamination:	2
Battery:	CR 2032
Dimensions (L × W × H):	50 × 50 × 55 mm (without cover frame)
Colour information:	similar to RAL 9010
Colour information Nero:	similar to RAL 9011
Conformity:	CE

Installation

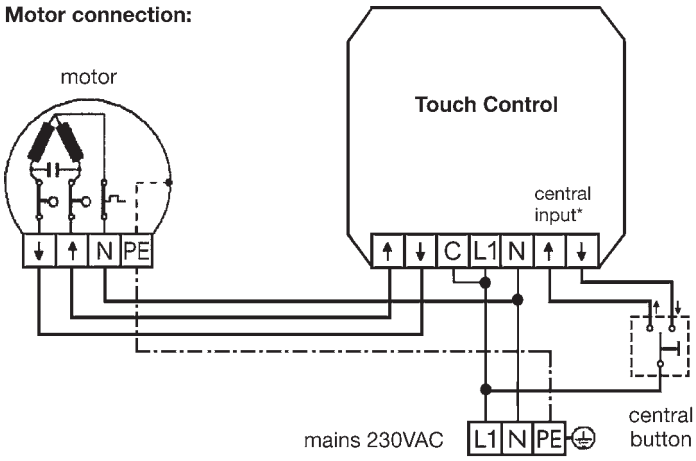
WARNING!
Risk of injury due to improper installation and commissioning.
Improper installation and commissioning may lead to personal injury or property damage.
Therefore:
– When connecting the device, observe the currently valid VDE standards (in particular DIN VDE 0100/0700), your local power company's regulations and the current accident prevention regulations.
– Connect the control in accordance with the wiring diagram.

Notes for professional electricians

1. In any case ensure that safety regulations according to DIN VDE 0105 are applied.
2. Connect the power supply in accordance with the wiring diagram.
3. Fit the power supply into a deep flush box and fix in place.
4. Fit the frame cover.
5. Fit the operating device into the power pack by applying gentle pressure to the frame cover.
6. Switch on the power supply.
7. You can test the direction of the sunshade using the "Up" and "Down" buttons.

Wiring diagram

Motor connection:



ATTENTION!
Parallel control of several drive motors is only possible with a cut-off relay.

Note concerning the central input!
While an up or down command (activated using the central button) is being performed, you cannot perform a stop or up/down command using the control system. Central input is performed in manual and automatic mode.

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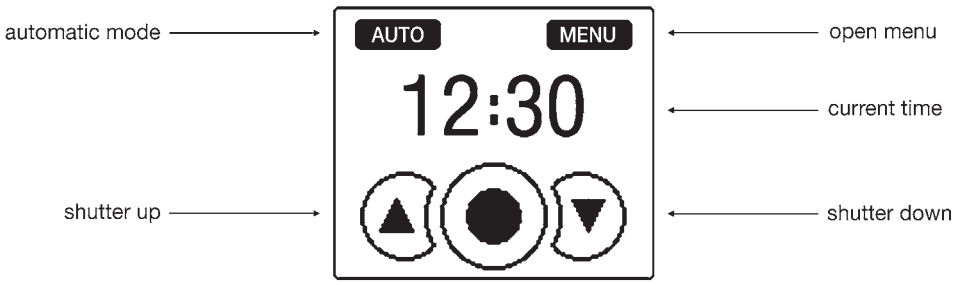
Subject to modifications.

Display and operating elements



When touched, the display will automatically light up; it goes off again 60 seconds after being used for the last time.

Basic settings

Manual/automatic operation mode

Once the device has been correctly installed and the power supply switched on, simply select the language setting and confirm with the OK button. Once this process has been completed the control system is ready for use. The control buttons and current time are displayed on the control system's display. The control system is in manual operation mode, all automatic functions, such as sun- and time-dependent controls are switched off in this mode.

Switching from manual operation to automatic operation

To activate automatic mode, press the HAND button on the top left of the display. The control system indicates the change of operating mode by displaying AUTO. The automatic control is activated and the shutter now moves up or down at the programmed times or depending on the sun. However the shutter can still be raised or lowered outside of the programmed times by pressing the up ▲ or down ▼ button. To stop the shutter moving up or down, simply press the stop button ◉. To return to manual mode, press the AUTO button. The HAND button appears again on the display to indicate manual mode.

Programming details

The control system features a wide range of functions which can be set to meet your individual requirements. Press the MENU button to go to the programming menu.

Select the required menu item by pressing the OFF symbol. The name of the menu item is now displayed, together with the related help text. Open the help text by pressing the ? button. If only one on/off function has been assigned to this menu item, an ✕ and a ✓ will be displayed at the bottom of the screen. Press ✓ to turn on the functions of the selected menu item, and press ✕ to turn them off. If a menu item contains additional setting options, press the symbol again to go to the next menu item. If you need to set times in a menu item, this can be done conveniently with the aid of the displayed numeric keypad. Confirm the settings with the OK button. Press the ← button to return to the previous menu and press the ESC button to immediately exit the programming menu. If no buttons are pressed in the programming menu for over 3 minutes, the programming menu will automatically close.

IMPORTANT!

If an up or down command is being performed, this must first be interrupted by pressing the stop button ◉ to open the menu or change operating mode.

Manufacturer's default setting

Time and date are factory preset. The following settings are also preset but may be adapted to your own personal requirements as necessary.

Operating mode:	HAND
Functions:	
Function "SUN":	OFF
Function "RANDOM":	OFF
Function "ASTRO":	OFF
Function "TIMER 1":	ON
Function "TIMER 2":	OFF
Settings:	
Setting "LANGUAGE":	German
Setting "LOCATION" Postal Code:	34117
Setting "CORRECTION" Up:	0 minute
Setting "CORRECTION" Down:	0 minute
Setting "TIME ZONE" UTC:	+1
Setting "DAYLIGHT SAVING TIME":	ON
Setting "MOTOR" Runtime 1:	120 seconds
Setting "MOTOR" Runtime 2:	120 seconds
Setting "MOTOR" Tilt Time 1:	0.0 seconds
Setting "MOTOR" Tilt Time 2:	0.0 seconds
Setting "MOTOR" Inching Mode:	OFF
Setting "KEYLOCK":	OFF
Setting "INFO":	ON

Programming menu – Guide to buttons

Button	Function
AUTO	Automatic operation mode
MENU	Open menu
?	Open help text
OK	Confirm settings
⏻	Turn on/off sun or timer function
OFF	Turn off up/down time
✓	Switch function on
▶	Next menu page

Button	Function
HAND	Manual operation mode
ESC	End programming and exit
←	Exit menu item
DEL	Back to input field
ON	Turn on up/down time
✕	Switch function off
◀	Previous menu page

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Programming menu – Structure

Press button MENU	Adjustment options FUNCTIONS:		
SUN			
RANDOM	OFF	ON	
ASTRO	OFF	ON	
TIMER 1	OFF / ON Mo – Fr Sa – Su	UP UP	DOWN DOWN
TIMER 2	OFF / ON INDIVIDUAL	UP day	DOWN day

Press button MENU	Adjustment options SETTINGS:		
LANGUAGE	DE	EN	
LOCATION	Postal code	Coordinates	Longitude Latituden
CORRECTION	UP	DOWN	
TIME	Time of Day Daylight saving time ON	Date Daylight saving time OFF	Time zone
MOTOR	Run Time 1 Tilt Time 1 Inching Mode ON	Run Time 2 Tilt Time 2 Inching Mode OFF	
KEYLOCK	ON	OFF	
INFO	ON	OFF	
RADIO	Lux sensor	Programming	ON OFF
	Hand-held transmitter	Programming	Delete
TOUCH	Calibrate		
DEFAULT SETTINGS	No Yes		

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Programming menu – Functions

Function SUN

IMPORTANT!
- The lux sensor only operates in automatic mode within the programmed up and down times.
- Any manual or time-related down commands will switch the sun function off. This is indicated by the moon symbol being displayed in the information display.
- Any completed manual or time-related up command will switch on the sun function.

Setting the sun threshold value (only Lux sensor / Wire)

When connected to a wired lux sensor, the control system automatically lowers the shutter according to sun intensity. The sensor is attached to the window pane using the suction pad and constantly monitors sun intensity. The measured sun intensity is indicated by the filled bars in the display . In addition, the sun function's status is displayed in the information display. If there is no sun, the cloud symbol will appear in the information display. If the set threshold value for the sun is exceeded, the sun symbol will appear in the information display. The sun symbol flashes for 1 minute to indicate the sun extension response delay and the cloud symbol flashes for 16 minutes to indicate the sun retract time delay. If the sun function has been switched off manually or by a time-related down command, the moon symbol will appear in the information display.

Setting the sensitivity

Sensitivity can be set using the symbol beneath the bar display. If you require the shutter to be lowered during low sun intensity, slide the symbol fully to the left as shown in the example. If you require the shutter to be lowered during average sun intensity (standard setting) slide the symbol to the centre, and if you require it to be lowered during high sun intensity, slide it completely to the right.

Sun intensity

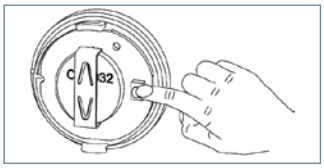
low: middle: strong:

If a filled bar appears to the right of the symbol, the sun function will start, if the filled bar appears to the left of the slide control, the intensity is too low and the sun function will raise the shutter again after the retract time delay.

The entire sun function can be switched on or off with the button.

Setting the sun threshold value (only VRS Lux sensor)

When using the VRS lux sensor, it is not possible to set the sensitivity. If you are not satisfied with the sensitivity setting, open the lux sensor housing by turning it slightly to the left. If the sun intensity has reached the strength you require, press and hold the programming button for at least 3 seconds. If the red LED lights up, the lux sensor is indicating that the new brightness value has been saved. Replace the housing. The VRS lux sensor also features an extension time delay of 1 minute and a retract time delay of 16 minutes. Refer to the information display for the sun function's status.



Function RANDOM

The random generator causes the shutters to move up or down with a deviation of up to +/- 30 minutes from the previously programmed times. This "irregular" raising and lowering of the shutter will give the impression that the house is occupied and offers extra security when you are absent for long periods. This function is switched on with the button and off with the button.

Function ASTRO

The astro function takes into account the sunrise and sunset times of your residence's geographical position and automatically adjusts Timer 1's up/down times. This function is switched on with the button and off with the button.

INFO!
- If Timer 1's programmed up time is set **before** sunrise, the shutters will open **at sunrise**.
- If Timer 1's programmed up time is set **after** sunrise, the shutters will open **at the programmed up time.**
- If Timer 1's programmed down time is set **after** sunset, the shutters will be lowered **at sunset.**
- If Timer 1's programmed down time is set **before** sunset, the shutters will be lowered **at the programmed time.**

Function TIMER 1

In this menu, an up and down time can be programmed in blocks for Monday to Friday and Saturday and Sunday .

Press the relevant symbol and then the or symbol to enter the up/down time. Enter the up/down time via the displayed keypad. Confirm the settings with the button. An up/down command can be disabled by pressing the button. The entire timer is switched off/on with the button.

IMPORTANT!

If an up/down command is disabled (OFF setting), no up/down commands will be performed and no corrections will be carried out by the astro function.

Function TIMER 2

In this menu you can program the up and down times for each day of the week. Press the relevant day and then the or symbol to enter the up/down time. Enter the up/down time via the displayed keypad. Confirm the settings with the button. An up/down command can be disabled by pressing the button. The entire time is switched off/on with the button.

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Programming menu – Settings

Setting “LANGUAGE”
Select German or English here and confirm your choice by pressing the OK button.

Setting “LOCATION”
In this menu, you can enter your place of residence using the postcode (in Germany only) or the relevant longitude and latitude coordinates in degrees/minutes format.

Setting “CORRECTION”
Using the astro function, you can also adjust corrected up/down times by +/- 90 minutes. The time correction can be set individually for the up time and for the down time.

Setting “TIME”
The time, date, time zone and daylight saving time can be set in this menu.

Setting “TIME OF DAY”
Enter the time using the displayed keypad. Confirm the settings with the OK button.

Setting “DATE”
Enter the date (in year, month, day format) using the displayed keypad. Confirm the settings with the OK button.

Setting “TIME ZONE”
Set your time zone here (UTC – Coordinated Universal Time); +1 for Germany, independent of summer time.

Setting “DAYLIGHT SAVING TIME”
In this menu you can switch off the automatic daylight saving time function if necessary. This function is switched on with the ✓ button and off with the ✕ button.

Setting “MOTOR”
Motor run times, tilt times and inching mode can be set in this menu.

Setting “RUN TIME 1”
This menu option enables you to set the motor run time individually, for example to allow the shutter to be lowered to a required position.

INFO!
The set motor run time only applies to the down command of Timer 1 and the manual up/down commands!

Setting “TILT TIME 1”
The tilt function ensures that after the shutter has been automatically lowered by Timer 1 or manually lowered, it then moves up again for a short time. This is to allow for ventilation or even partial opening of the shutters.

Setting “RUN TIME 2”
The menu item enables you to set the motor run time individually, for example to allow the shutter to be lowered to a required position.

INFO!
The set motor run time only applies to the down command of Timer 2.

Setting “TILT TIME 2”
The tilt function ensures that after the shutter has been automatically lowered by Timer 2, it then moves up again for a short time. This is to allow for ventilation or even partial opening of the shutters.

Setting “INCHING MODE”
If this function is enabled, an inching operation of up to 2 seconds is enabled which is operated by pressing the up or down buttons. If one of the two up/down buttons is pressed and
held for longer than 2 seconds, the shutter will move up/down to the respective end position.
This function is switched on with the ✓ button and off with the ✕ button.

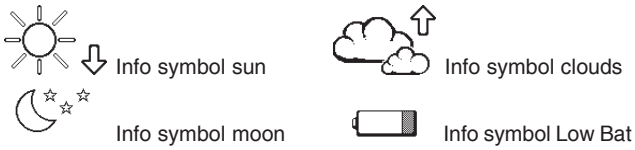
Setting “KEYLOCK”
An automatic keylock can be activated in this menu. The keylock will be activated 180 seconds after the last button is pressed. The keylock is released again by pressing and holding the symbol in the display for three seconds.

This function is switched on with the ✓ button and off with the ✕ button.

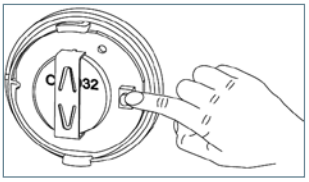
Setting “INFO”
An information screen can be activated in this menu. If this function is switched on, 10 seconds after exiting the menu, the following information will be continuously displayed: time and date, operating mode, sun status and direction of the next up/down command. In addition, a battery low warning for the VRS lux sensor is also displayed.

This function is switched on with the ✓ button and off with the ✕ button.

INFO!
The information display only operates in automatic mode.



Setting radio (only Touch Control VRS)
Set the VRS lux sensor and VRS hand-held transmitter here. Press the button twice to access the individual menu items.

VRS Lux sensor / Programming a sensor (only Touch Control VRS)


To program a wireless sun sensor, open the VRS lux sensor housing by turning it slightly to the left. Then press the button on the control system. A 30 second countdown will begin in the display..

Now, briefly press the VRS lux sensor programming button during the 30 second countdown. If the VRS lux sensor has been successfully programmed, the following will be displayed on the screen: **Sensor successfully programmed!**

If the sensor has not been recognised or the 30 seconds have elapsed, the following will be displayed on the screen: **Sensor not recognised.**
In this case, repeat the procedure.

INFO!
A VRS lux sensor can only be programmed in the controls.

VRS Luxsensor / Switching the sensor on/off (only Touch Control VRS)
If you do not require VRS lux sensor control over a long period of time, you can switch off the VRS lux sensor by pressing the ✕ button and switch it back on again by pressing the ✓ button.

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Programming menu – Settings

VRS Lux sensor / Setting the motor run time (only Touch Control VRS)

Set the motor run time during a sun down command so that the VRS lux sensor cannot be shaded by the lowering shutter.

INFO!
The set motor run time only applies to the down command triggered by the VRS lux sensor.

VRS Lux sensor / Delete (only Touch Control VRS)

Press this button twice to delete the set VRS lux sensor.

VRS Hand held transmitter / Programming a hand-held-transmitter (only Touch Control VRS)

Select the transmitting channel that you require on the hand-held transmitter. To select another transmitting channel, press and hold the stop button for 3 seconds until a channel LED starts flashing. Then use the up or down button to select the required channel and confirm with the stop button. Then press the . button on the control system. A 30 second countdown will begin on the display. During the 30 second countdown, press the programming button on the back of the hand-held transmitter and then press the stop button on the hand-held transmitter. If the hand-held transmitter has been successfully programmed, the following will be displayed on the screen: **Transmitter successfully programmed.**
If the transmitter has not been recognised or the 30 seconds have elapsed, the following will be displayed on the screen: **Transmitter not recognised.**
In this case, repeat the procedure.

INFO!
Up to 3 VRS hand-held transmitters can be programmed in the controls.

VRS Hand held transmitter / Delete (only Touch Control VRS)

Press this button twice to delete the programmed hand-held VRS transmitter(s).

Setting Touch Touch-screen calibration

The accuracy of the touch-screen can change after a long period of use, making recalibration necessary. Press the button to start recalibration and follow the instructions in the display. Press exactly on the bar on the top left and bottom centre, and then on the right. Then test the calibration with the aid of the displayed keypad. If the calibration has been performed successfully, press the OK button for 3 seconds. If the calibration does not fulfil your requirements, press the ESC button and repeat the procedure.

Setting Reset

All your customised settings, the programmed transmitter and the time and date will be lost when the device is reset to the default settings, and the default time settings will be reloaded. To carry out this process, follow the instructions on the display.

Power failure / Replacing the Battery

In the event of a power failure, the control system is equipped with several years' reserve power. As soon as the mains power fails, the display switches itself off. This does not mean that the battery is flat. When the mains power returns, the control system will display the correct time. Any up/down commands pending during the power failure will be performed in automatic mode once the power returns. If, after a power failure, the control system no longer displays the correct time, you probably need to change the battery.

In this case, proceed as follows:

– Hold the display frame and gently remove the operating device from the power supply. You will find a CR 2032-type battery in the back of the operating device.
– Remove this battery and replace it with a battery of the same type. **ATTENTION:** The positive pole should be visible.
– Now plug the operating device into the power pack.

To set the time, proceed as described in the "Programming menu – Settings, time" section.

IMPORTANT!
Your personal settings are stored electronically and will not be lost when you replace the battery.

Installing the wired lux sensor

For the sun function, one lux sensor is required per control system. Only 1 lux sensor may be connected. The sensor cable must not be extended. Install the sun sensor as follows.

1. Remove the operating device from the power supply.
2. Plug the lux sensor connector into the socket on the front of the power pack. Remove the predetermined breaking point on the frame in order to pass the cable through.
3. Gently press the operating device back into the power supply.
4. Attach the lux sensor at the desired location on the window pane.
5. Switch on the sun function.
6. Switch the control system to automatic mode.

Installing the VRS lux sensor

Stick the adhesive ring to the outside of the transparent side of the housing.

ATTENTION! Be careful not to cover the sensor while doing so. Stick the sensor onto the inside of the clean window pane, near the lower edge of the window.

ATTENTION! When deciding on the installation position, make sure that it is free of shade. The lux sensor must not be covered or shaded.

Battery change for the VRS Lux sensor

If an empty battery symbol appears on the control system's information display, replace the battery to ensure that the VRS lux sensor continues to operate reliably. Unscrew the VRS lux sensor housing by turning it slightly to the left and replace the CR 2032 type battery.

ATTENTION! The positive pole should be visible.

Then reassemble the housing by following the instructions in the reverse order. When the sensor emits the next transmission signal, the battery warning will automatically disappear from the control system's information display.

Battery change for the VRS hand-held transmitter

If the hand-held transmitter's range is dramatically reduced and the LED indicator is weakly lit, you will need to replace the hand-held transmitter's battery. To do this, use a suitable Phillips screwdriver (size 0) to remove the screw on the back of the hand-held transmitter. Then, press back the snap tab on the top section and remove the bottom section of the hand-held transmitter. Replace the CR 2032 type battery.

ATTENTION! The positive pole should be visible.

Then reassemble the housing by following the instructions in the reverse order.

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.

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