



INSTALLATION AND OPERATING INSTRUCTIONS WISO TIME

WISO TIME



This manual is suitable for the following products:

- WISO Time (01817100)

Documentnumber: 85700501 E1

Control unit for manual
or automatic control of
awnings and venetian
blinds.

Read the manual before starting the installation.
Failure to follow the instructions may result in defects that are not
covered by the warranty. Errors and technical changes excepted.



CONTENT

■ Safety instructions	2	■ Setting / Programming	5
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SAFETY INSTRUCTIONS

GENERAL SAFETY INFORMATION

These safety instructions are an integral part of the product and must be read and understood completely before installation, electrical connection, commissioning and operation.

- Installation, electrical connection and commissioning may only be carried out by a qualified electrician.
- All applicable laws, standards and regulations must be observed, in particular DIN VDE 0100/0700, local utility regulations and accident prevention regulations.
- The control unit must be checked for damage before installation. If damage is detected, the device must not be put into operation.
- Any modification or alteration of the device is prohibited and will result in the loss of warranty and liability claims.
- The operator is responsible for ensuring that these safety instructions are made available to all subsequent users.

INTENDED USE | CONTROL OF SUITABLE DRIVES FOR:



Shutters



Awnings



Pleated Blinds



Internal Roller Blinds



External Venetian Blinds



Plafond Blinds



Screens



Internal Venetian Blinds



Roman Blinds

CRITICAL SAFETY WARNINGS



ELECTRICAL HAZARDS

DANGER – Risk of fatal electric shock.

Disconnect the mains voltage completely before installation and before working on the device.



HAZARDS DUE TO SENSOR MALFUNCTIONS | WARNING

– Risk of uncontrolled movements caused by sensor failure.



HAZARDS DUE TO MOVING SHADING SYSTEMS | WARNING

Risk of injury due to crushing, shear points or uncontrolled movement.



NOTE

The complete safety instructions can be found at: www.vestamatic.com/safety



SCAN ME


SUPPORT/CONTACT

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 E-Mail: info@vestamatic.com

TECHNICAL DATA

SHORT DESCRIPTION

- The control unit is designed for both manual and automatic control of awnings, venetian blinds, or roof windows.
- It offers a wide range of practical programming options and is manufactured to the highest quality standards.

PARAMETER	VALUE
Power supply	230VAC, 50 Hz
Impulse voltage withstand level	2,5 kV
Rated power	2 W
Output (UP/DOWN)	230VAC, 50 Hz
Switching capacity	250VAC, 3A $\cos \varphi \geq 0,8$ ind.
Motor running time (UP)	3 – 180 seconds
Tilting time	0-30 seconds
Software class	A
Operating temperature	0 °C bis +40 °C
IP class	IP40
Degree of pollution	2
Battery	CR 2032
Dimensions (L × W × H)	50 × 50 × 46 mm (without frame)
Colour	Signal white (similar to RAL 9016)
Conformität	

INSTALLATION / WIRING DIAGRAM

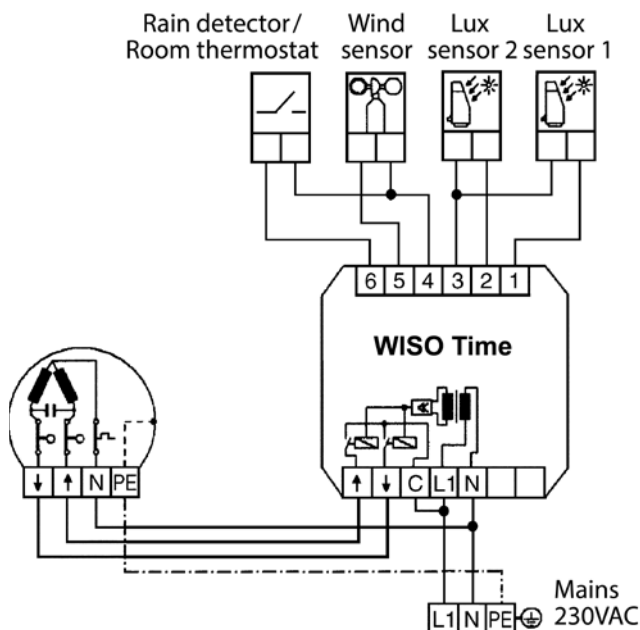
NOTES FOR QUALIFIED ELECTRICIANS

- 1. Disconnect the supply voltage.
- 2. Connect the power supply and sensors according to the wiring diagram. Ensure that the cables of the power supply are not routed parallel to or crossing the sensor cables.
- 3. Insert the power supply into a flush-mounted wall box and secure it.
- 4. Fit the cover frame.
- 5. Insert the control unit into the power supply under light pressure through the cover frame.
- 6. Switch on the supply voltage.
- 7. Use the UP and DOWN buttons to check the travel direction of the shading system.

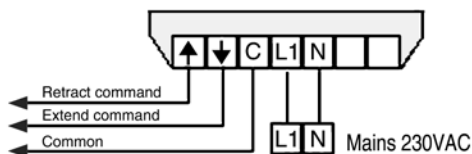


WARNING

Parallel control of multiple drive motors with conventional motors may only be implemented using isolating relays or group control units.



CONNECTION OF DECENTRALISED CONTROL SYSTEMS



When controlling decentralised controls such as MC P2, MC P4



NOTE

When using decentralised control systems, the jumper bridge (C-L1) must be removed.

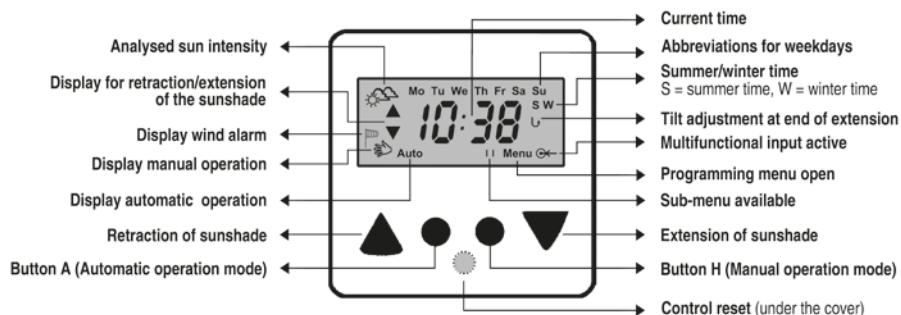
INSTALLATION / WIRING DIAGRAM

INITIAL COMMISSIONING

- After installation and switching on the supply voltage, the control unit is ready for operation and starts in manual mode.
- All automatic functions are disabled, however operation of the shading system is possible using the UP and DOWN buttons.
- The current time, date, standard travel times and additional basic settings are already preset (see "Factory Settings"), so only adjustments to personal requirements are necessary.
- To switch to automatic mode, press the Auto button. The hand symbol disappears and the auto symbol appears. The shading system will then extend or retract automatically depending on the measured sensor data or the programmed times. To return to manual mode, press the Manual button. The shading system can still be operated manually at any time using the arrow buttons, even while automatic mode is active. To stop the shading system, press the opposite direction button.

SETTING / PROGRAMMING

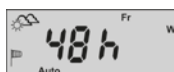
DISPLAY INDICATIONS AND OPERATING ELEMENTS



WARNING MESSAGES IN THE DISPLAY



WIND SENSOR CABLE BREAK



WIND SENSOR PULSE MONITORING

The wind symbol, retraction arrow and the two centre segments flash. The shading system retracts immediately and remains secured in the retracted position for the duration of the fault.

If an externally mounted wind sensor does not provide any signal for 48 hours, the display shows the message „48 h“ and a flashing wind symbol.

Check the wind sensor by manually moving the rotor blades. If the display does not change, switch the control unit off and secure it against unintended operation.

SETTING / PROGRAMMING

Factory Settings

Main Menu	Sub-menu	Function	Factory Setting	Setting Range
H1		Time Control UP	OFF	00:00 - 23:59; OFF
H2		Time Control DOWN	OFF	00:00 - 23:59; OFF
H3		Automatic Lock	OFF	ON / OFF
	U 3.1	Automatic Lock Start	9:00 AM	00:00 - 23:59
	U 3.2	Automatic Lock End	4:00 PM	00:00 - 23:59
H4		Sun Function	ON	ON / OFF
	U 4.1	Extension Threshold Setting	15 kLux	5 - 40 kLux
	U 4.2	Extension Response Delay	2:30 min.	00:10 - 05:00 min.
	U 4.3	Retract Threshold Setting	10 kLux	3 - 38 kLux
	U 4.4	Retract Delay	16 min.	02:00 - 40:00 min.
H5		Wind Function	28 km/h	10 - 60 km/h
	U 5.1	Wind Alarm Reset Delay	16 min.	2 - 20 min.
	U 5.2	Wind Sensor Type	CO 1	CO 1 - CO 3
H6		Motor Runtime / IDS Function	180 sec.	IDS; 3 - 180 sec.
	U 6.1	Tilting Time	0.0 sec.	0.0 - 30 sec.
	U 6.2	Jog Mode	OFF	ON / OFF
H7		Multifunction Input	OFF	ON / OFF
	U 7.1	Multifunction Input Function Selection	FA 1	FA 1 - FA 6
	U 7.2	Multifunction Input Reset Delay	5 min.	02:00 - 15:00 min.
H8		Time / Date	current	00:00 - 23:59
	U 8.1	Year	current	2011 - 2099
	U 8.2	Date	current	01.01 - 31.12
	U 8.3	Automatic Daylight Saving Time Changeover	ON	ON / OFF
	U 8.4	Manual Daylight Saving Time Changeover	W	S / W

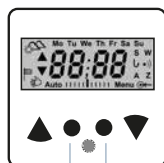
BASIC SETTINGS / MAIN MENU / SUBMENU

The control unit offers a wide range of functions that can be individually adjusted to suit your requirements.

SETTING / PROGRAMMING

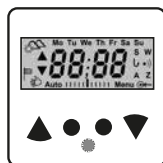
BASIC SETTINGS / MAIN MENU / SUBMENU

Enter Main Menu:
Press and hold button
A + H for 3 seconds.

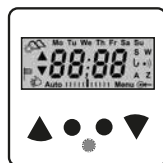


A H

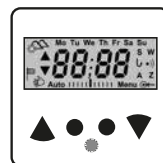
Select another Main
Menu item:
Press **button A.**



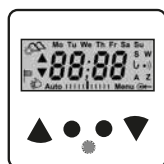
Switch to Submenu:
Press **button H.**



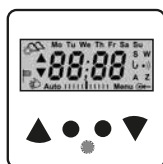
Return from Submenu to
Main Menu:
Press **button H.**



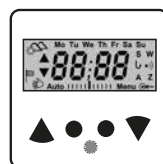
Adjust values step-by-
step: Briefly press **▲** or **▼**



Adjust values quickly Press
and hold **▲** or **▼** for more
than 2 seconds.



Switch function ON or OFF:
Briefly press **▲** or **▼**



- Main menu items are identified by an H and the main menu number (e.g. H5).
- Submenu items are identified by a U, the main menu number and the submenu number (e.g. U5.1).

H1 Retraction Time Control

H4 Sun Function

H7 Multi-Function Input

H2 Extension Time Control

H5 Wind Function

H8 Time / Date

H3 Automatic Lockout

H6 Motor Running Time / IDS
Function

BASIC SETTINGS / MANUAL AND AUTOMATIC OPERATING MODES

- In manual mode, all automatic functions are disabled. Only the wind function or an activated multi-function input FA3 remain active and are monitored.
- The shading system can be operated in both manual mode and automatic mode using the arrow buttons.
- To protect the shading system during movement: press the opposite direction button to stop.

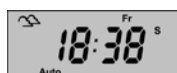


Illustration: Automatic Mode



Illustration: Manual Mode



NOTE

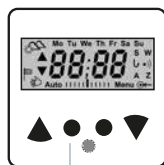
If AUTO flashes in the display, an automatic lockout is active.

For further information, see Menu Item H3.

SETTING / PROGRAMMING

BASIC SETTINGS / MANUAL AND AUTOMATIC OPERATING MODES

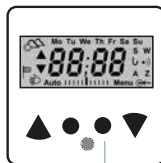
Switch to Automatic Mode: Press **button A**.



A

The shading system will extend or retract according to the measured sensor data or the programmed travel times.

Switch to Manual Mode: Press **button H**.



H

H1 SETTING THE DAILY RETRACTION TIME FOR EACH DAY OF THE WEEK

Enter Main Menu »
Select H1
Press **button A**



Set Retraction Time
Press buttons **▲** or **▼**



Change the retraction time between 00:00 and 23:59.

H2 SETTING THE DAILY EXTENSION TIME FOR EACH DAY OF THE WEEK

Enter Main Menu »
Select H2:
Press **button A**



Set Extension Time
Press buttons **▲** or **▼**



Change the extension time between 00:00 and 23:59.

i **NOTE**
No time control is available during a wind alarm or when the multi-function input is configured as FA3 or FA4.

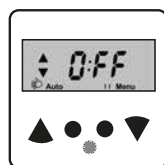
H3 AUTOMATIC LOCKOUT

Programming a time window during which automatic control is disabled.

Enter Main Menu »
Select H3:
Press **button A**



Set Automatic Lockout
Press buttons **▲** or **▼**



Deactivation = OFF
Activation = ON

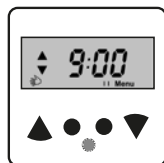
Off = Submenu items are not displayed

i **NOTE**
The wind function or the multi-function input configured as FA3 or FA4 are not affected by the automatic lockout. If the automatic lockout is active, the word AUTO flashes in the display.

SETTING / PROGRAMMING

U3.1 START OF AUTOMATIC LOCKOUT

Enter Submenu »
Select U3.1:
Press button H



Set Start Time of Lockout
Press buttons ▲ or ▼

U3.2 END OF AUTOMATIC LOCKOUT

Enter Submenu »
Select U3.2:
Press button H



Set End Time of Lockout
Press buttons ▲ or ▼

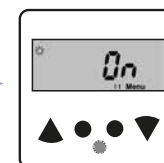
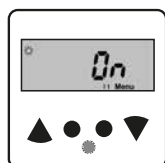
i NOTE

- 1.) Switching between manual and automatic mode within the automatic lockout period does not trigger any travel command.
- 2.) After the automatic lockout period has expired, the connected sensors are evaluated again and a travel command may be initiated.

H4 SUN FUNCTION

Switching the sun function on or off.

Enter Main Menu »
Select H4:
Press button A



Set Sun Function:
Press buttons ▲ or ▼

Off = Submenu items are not displayed

i NOTE

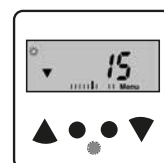
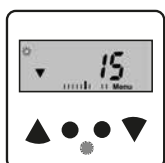
If **ON** flashes, automatic control is performed exclusively based on the room thermostat, as the multi-function input is configured as FA2 (active) or the sun function is configured as FA2. In this case, the sun/wind symbol is not displayed during automatic operation.

Deactivation = OFF
Activation = ON

U4.1 EXTENSION THRESHOLD SETTING

Setting a threshold value in kLux at which the shading system extends.

Enter Submenu »
Select U4.1:
Press button H



Set Individual Threshold Value:
Press buttons ▲ or ▼

i NOTE

The measured sunlight intensity is displayed as a bar graph. If the centre of the bar exceeds the set threshold value (in kLux), extension is initiated after the response delay time.

SETTING / PROGRAMMING

U4.2 EXTENSION RESPONSE DELAY

The response delay postpones the extension of the shading system after the set sunlight threshold has been exceeded.

Enter Submenu »
Select U4.2:
Press button H



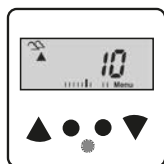
Set Response Delay in
Minutes: Press buttons
▲ or ▼



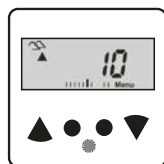
U4.3 RETRACTION THRESHOLD SETTING

Setting a threshold value in kLux at which the shading system retracts.

Enter Submenu »
Select U4.3:
Press button H



Set Individual Threshold
Value: Press buttons
▲ or ▼



NOTE

The measured sunlight intensity is displayed as a bar graph. If the centre of the bar falls below the set threshold value (in kLux), retraction is initiated after the response delay time.

U4.4 RETRACTION RESPONSE DELAY

The response delay postpones the retraction of the shading system after the set sunlight threshold has been undershot.

Enter Submenu »
Select U4.4:
Press button H








Set Response Delay in
Minutes: Press buttons
▲ or ▼



DISPLAY OF THE SUN FUNCTION IN THE DISPLAY

If the sun function is activated, this is indicated in automatic mode by the sun/cloud symbol in the upper left corner of the display.



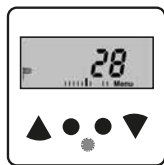
-  flashing: Sun response delay active
-  steady on: Sunlight threshold exceeded
-  flashing: Sun response delay active for retraction
-  steady on: No sunlight
-  steady on: Sunlight intensity between extension and retraction threshold

SETTING / PROGRAMMING

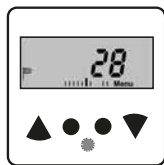
H5 WIND FUNCTION

If the measured wind speed exceeds the set threshold value, the shading system retracts immediately. The wind threshold value setting in km/h depends on the size and design of the shading system.

Enter Main Menu »
Select H5:
Press button A



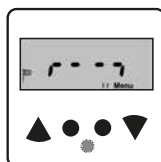
Set Wind Function:
Press buttons ▲ or ▼



i NOTE
For visual monitoring of the wind sensor, a bar graph is displayed below the wind threshold value. When the set wind speed is reached, the bar graph is half filled.

i IMPORTANT
If no wind sensor is connected, the wind threshold value must be set to the symbol shown. In addition, terminals 4 and 5 of the wind sensor input must be bridged with a jumper.

Set „Jumper Bridge“: Press buttons ▲ or ▼



U5.1 WIND ALARM RESET DELAY

Using the wind alarm reset delay, you can program a delay time during which the shading system will not extend after a wind alarm.

Enter Submenu »
Select U5.1:
Press button H



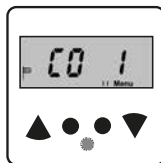
Set Reset Delay in
Minutes: Press buttons ▲ or ▼



U5.2 WIND SENSOR TYPE

Submenu for setting the wind sensor type used.

Enter Submenu »
Select U5.2:
Press button H






CO 1 = WS XS (01100310)
WS XS Alu (01100410)
WISO Crystal Station
(01100336)
CO 2 = WS Classic M (01100235)
CO 3 = Reserved setting

SETTING / PROGRAMMING

DISPLAY OF THE WIND FUNCTION / WIND ALARM IN THE DISPLAY

If the measured wind speed exceeds the threshold value, the shading system retracts immediately and can no longer be extended manually. The display shows the flashing retraction arrow and the wind sock symbol.



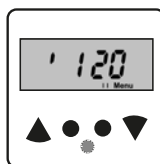
-  flashing: Threshold value exceeded
-  steady on: Threshold value exceeded
-  flashing: Measured wind speed below the wind threshold value, reset delay started

i **NOTE**
After the wind alarm reset delay has elapsed, the shading system is controlled again according to the measured sensor data (automatic mode). In manual mode, the desired position can be adjusted using the arrow buttons.

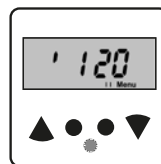
H6 MOTOR RUNNING TIME

The motor running time setting depends on the size and design of the shading system. For venetian blinds, it is recommended to set the actual running time so that the tilting time for positioning the slat angle is executed immediately after the motor running time.

Enter Main Menu »
Select H6:
Press button A



Set Motor Running Time in
Seconds: Press buttons
▲ or ▼



H6 IDS FUNCTION

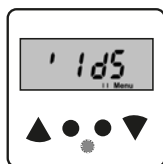
The IDS function (Intelligent Decentralised Sun Protection Control) allows differentiation between sun- and temperature-dependent central commands, time-dependent commands and manually triggered central commands without additional installation work.

This enables, for example, suppression of sun-/temperature-dependent travel commands, while other central commands such as safety-related or time-dependent commands continue to be executed.

Enter Main Menu »
Select H6:
Press button A



Set IDS Function:
Press buttons ▲ + ▼



Running time > 35
sec. = IDS

i **NOTE**
The operating mode IDS may only be used in conjunction with BREL Vestamatic group control units with IDS functionality.

IDS = Submenu items are not displayed

SETTING / PROGRAMMING

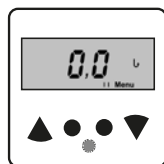
U6.1 TILTING TIME

After the motor running time has elapsed, the shading system briefly moves in the opposite direction (retraction) to position the slat angle precisely. The tilting function is executed in both automatic and If the extension button is pressed during an extension command ▼ no tilting movement is performed at the end of the travel.

Enter Submenu »
Select U6.1:
Press button H



Set Tilting Time in Seconds:
Press buttons ▲ or ▼

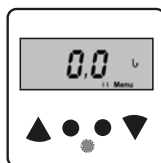


i NOTE
If the set tilting time flashes, a tilting time longer than the motor running time has been selected.

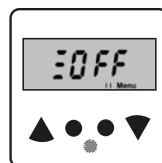
U6.2 INCHING MODE

If this function is activated, inching mode of up to 2 seconds is enabled. Only after 2 seconds will the running time command be executed.

Enter Submenu »
Select U6.2:
Press button H



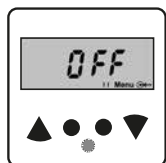
Set Inching Mode:
Press buttons ▲ or ▼



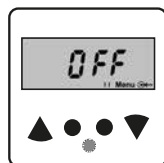
H7 MULTI-FUNCTION INPUT

A standard room thermostat (Art. No. 01100271) or a rain sensor (Art. No. 01083520) can be connected to the multi-function input on terminals 4 and 6 of the power supply unit.

Enter Main Menu »
Select H7:
Press button A



Activate / Deactivate
Multi-Function Input:
Press buttons ▲ or ▼



Off = Submenu items are not displayed

Deactivation = OFF
Activation = ON

SETTING / PROGRAMMING

U7.1 MULTI-FUNCTION INPUT ASSIGNMENT

Six different functions can be selected.

Enter Submenu »
Select U7.1:
Press button H



Select Multi-Function
Input Function:
Press buttons ▲ or ▼



FA 1 | Room thermostat connected (Art. No. 01100271). Operation is based on a combination of a connected light sensor and the room thermostat.

The shading system extends only when the set room temperature and the sunlight threshold are exceeded. If the temperature or the sunlight threshold falls below the set value, the shading system retracts after the reset delay time. If FA 1 flashes in the display, the sun function must be activated in main menu H4.

FA 2 | Room thermostat connected (Art. No. 01100271). Control is based only on room temperature.

If the room temperature exceeds the set value, the shading system extends. If the temperature falls below the set value, the shading system retracts after the reset delay time.

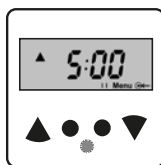
FA 3 + FA 5 | Rain sensor connected. An immediate retraction command is issued in both automatic and manual mode when rain is detected. FA 5 has an inverted input logic and is used with RD-20°C V2.0 (010826) and RD+1°C V2.0 (010831). **4,7 KOHM RESISTOR REQUIRED!**

FA 4 + FA 6 | Rain sensor connected. An immediate retraction command is issued only in automatic mode when rain is detected. In manual mode, manual operation of the shading system remains possible. FA 6 has an inverted input logic and is used with RD-20°C V2.0 (010826) and RD+1°C V2.0 (010831). **4,7 KOHM RESISTOR REQUIRED!**

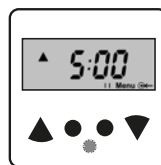
U7.2 RESET DELAY OF THE MULTI-FUNCTION INPUT

Using the reset delay of the multi-function input, a delay time can be programmed so that no travel command is executed immediately after the multi-function input becomes inactive.

Enter Submenu »
Select U7.2:
Press button H




Set Reset Delay in Minutes:
Press buttons ▲ or ▼



DISPLAY INDICATION

If the multi-function input is activated in menu H7 (ON) and a function has been assigned in U7.1, the corresponding travel command is executed.



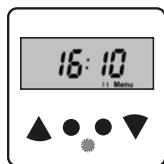
 flashing: Multi-function input inactive, reset delay started. After the reset delay time has elapsed, the symbol disappears.

SETTING / PROGRAMMING

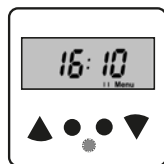
H8 TIME / DATE

Menu for setting the current time.

Enter Main Menu »
Select H8:
Press button A



Set Current Time:
Press buttons ▲ or ▼



U8.1 YEAR SETTING

Setting range: 2011 to 2099

Enter Submenu »
Select U8.1:
Press button H



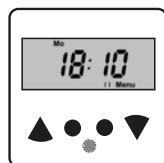
Set Year:
Press buttons ▲ or ▼



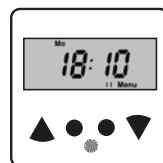
U8.2 DATE SETTING

Position 1+2 = Day | 3+4 = Month.
The year is adjusted automatically.

Enter Submenu »
Select U8.2:
Press button H



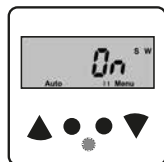
Set Date:
Press buttons ▲ or ▼



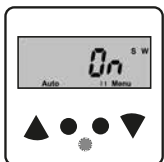
U8.3 AUTOMATIC SUMMER / WINTER TIME CHANGEOVER

ON = Automatic changeover
OFF = Manual changeover

Enter Submenu »
Select U8.3:
Press button H



Set Summer / Winter Time
Changeover:
Press buttons ▲ or ▼

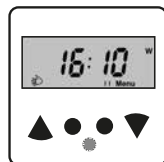


OFF = Submenu U8.4
visible

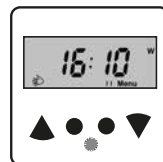
U8.4 MANUAL SUMMER / WINTER TIME CHANGEOVER

Display indication:
S = Summer time | W = Winter time

Enter Submenu »
Select U8.4:
Press button H



Set Summer or Winter
Time: Press buttons
▲ or ▼



BATTERY REPLACEMENT / RESET

POWER FAILURE

- In the event of a power failure, the control unit has a power reserve of up to two years.
- Immediately after a power failure, the display starts flashing and switches off after approximately 10 minutes.
- Once power is restored, the control unit displays the correct time.
- If travel commands are pending during the power failure, they will be executed in automatic mode after power has been restored.

BATTERY REPLACEMENT / RESET

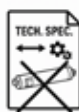
If the control unit no longer displays the correct time or date after a power failure, the battery will most likely need to be replaced.

- All programmed settings, as well as the time and date, are retained because they are stored in a non-volatile memory.
- Remove the control unit from the power supply unit. A CR2032 battery is located on the rear side of the control unit.
- Remove the battery and replace it with a new battery of the same type (observe correct polarity!).
- Carefully press the reset button as described above.
- Refit the cover frame to the control unit and insert the unit back into the power supply.

MAINTENANCE / WARRANTY

The general terms and conditions of sale and delivery of the manufacturer, Vestamatic International GmbH, shall apply. The terms and conditions of sale and delivery form part of the sales documentation and are supplied with the product. Claims for personal injury or property damage are excluded if they result from one or more of the following causes:

- Improper use of the product.
- Opening the product by the customer.
- Improper installation, commissioning or operation of the product.
- Failure to comply with the specified technical specifications.
- Failure to observe the safety regulations and instructions contained in these operating instructions.
- Operation of the product with improperly installed connections, defective safety devices, or missing or improperly installed protective equipment.
- Structural modifications to the product.



MAINTENANCE The product is maintenance-free.