



INSTALLATION AND OPERATING INSTRUCTIONS TIME CONTROL

TIME CONTROL



This manual is suitable for the following products:

- Time Control (01813330)

Documentnumber: 84100701 E1

Roller shutter control
for manual or automatic
control of electrically
operated roller shutters.



Time Receiver



Flush-mounted
control

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.



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SAFETY INSTRUCTIONS

GENERAL INFORMATION

These safety instructions are part of the product and must be fully read and understood before installation, electrical connection, commissioning and use.

- The controller is intended exclusively for its designated purpose.
- Installation, wiring and commissioning may only be carried out by a qualified electrician.
- National regulations as well as DIN VDE 0100/0700 and the requirements of local energy suppliers must be observed without exception.
- A damaged controller must not be put into operation.
- Any changes or modifications to the device are not permitted; they will void the warranty and may cause hazards.
- The operator must ensure that all subsequent users receive these safety instructions.

INTENDED USE

Manual and automatic control of electrically driven roller shutters:



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 FROM MOVING SUN 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


SCOPE OF DELIVERY

- Time Control
- Frame

TECHNICAL DATA

SHORT DESCRIPTION

- Controller for manual or automatic control of electric roller shutters.

PARAMETER	VALUE
Power supply	230 VAC, 50 Hz
Impulse voltage withstand level	2,5 kV
Rated power	2 W
Output (Up/Down)	230VAC, 50 Hz
Align switching time extend	250 VAC, 3 A, $\cos \varphi \geq 0.8$ (inductive)
Align switching time	3–120 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)
Conformity	

INSTALLATION / WIRING DIAGRAM

INSTRUCTIONS FOR QUALIFIED ELECTRICIANS

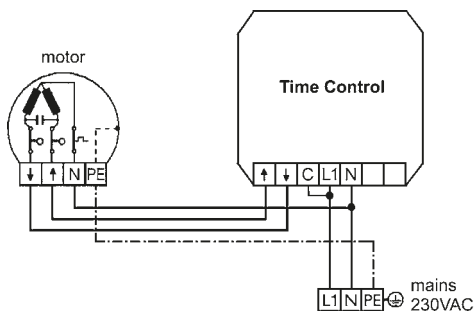
- 1: Disconnect the operating voltage.
- 2: Connect the power unit according to the wiring diagram.
- 3: Insert the power unit into a deep flush-mounted box and secure it.
- 4: Fit the cover frame.
- 5: Insert the control unit into the power unit through the cover frame with gentle pressure.
- 6: Switch on the operating voltage.
- 7: Use the UP and DOWN buttons to check the direction of travel of the shading system.



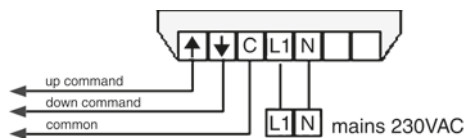
ATTENTION!

Parallel control of more than one roller shutter drive motor can only be implemented by means of isolating

DIRECT MOTOR CONNECTION



CONNECTION OF DECENTRALIZED MOTOR CONTROLS



When controlling decentralised controls such as MC P2 or MC P4, for example

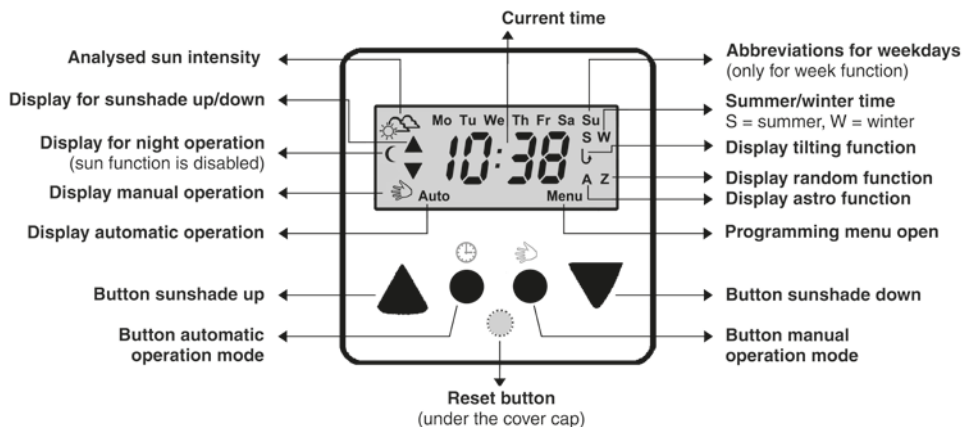


NOTE

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

PROGRAMMING / SETTINGS

DISPLAY AND OPERATING ELEMENTS



PROGRAMMING / SETTINGS

MANUFACTURER'S DEFAULT SETTINGS

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

H1	Setting automatic up time: (daily)		H6	Setting the sun function:	
H2	Setting automatic down time: (daily)		H7	Setting the motor run time:	
H3	Setting the week function:		H7	Setting the tilting time:	
H4	Setting the random time:		H7	Setting the inching mode:	
H5	Setting the astro function:		H8	Setting the summer/winter time changeover:	automatic

BASIC SETTINGS / MAIN MENU / SUBMENU

The control has a wide range of functions which can be set to meet your individual requirements.

<p>Accessing the main menu</p> <p>Auto/Hand simultaneously x 3S</p>	<p>Selecting a different main menu item</p> <p>Auto x 1(+)</p>	<p>Accessing the submenu</p> <p>Hand x 1</p>
<p>Selecting another sub-menu item</p> <p>Hand x 1(+)</p>	<p>Setting the values within the menu</p> <p>arrow keys x 1(+)</p>	<p>Setting the values within the menu in fast mode</p> <p>arrow keys x2S</p>

i NOTE

Main menu items are indicated with an H and the **MAIN MENU NUMBER**.

Submenu items are indicated with a U, the main menu number and the **SUBMENU NUMBER**.

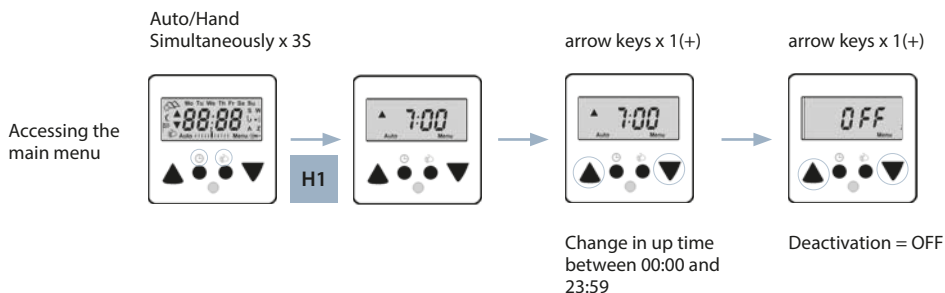
H1	Daily up time	H5	Astrological function
H2	Daily down time	H6	Sun function
H3	Weekly function	H7	Engine running time
H4	Random function	H8	Time / Date

i NOTE

If no button is pressed in the programming menu for more than 3 minutes, the programming menu will be exited automatically.

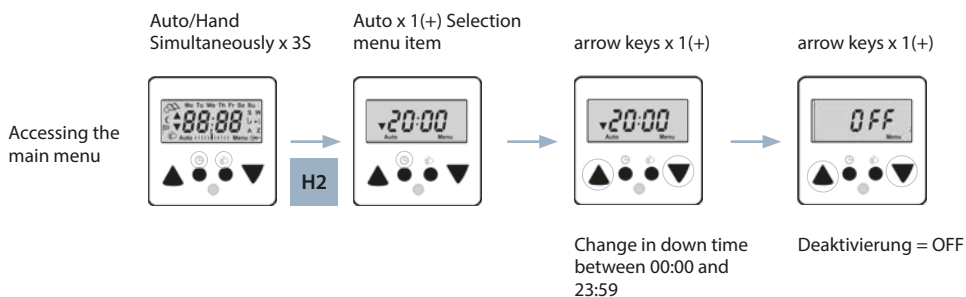
PROGRAMMING / SETTINGS

H1 SETTING THE DAILY DRIVE-UP TIME



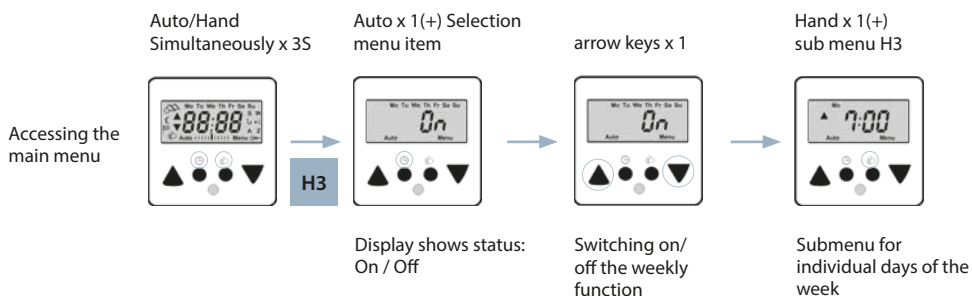
i **NOTE**
If the daily opening time is deactivated (OFF), the corresponding astro function (opening) is also deactivated.

H2 SETTING THE DAILY DOWN TIME



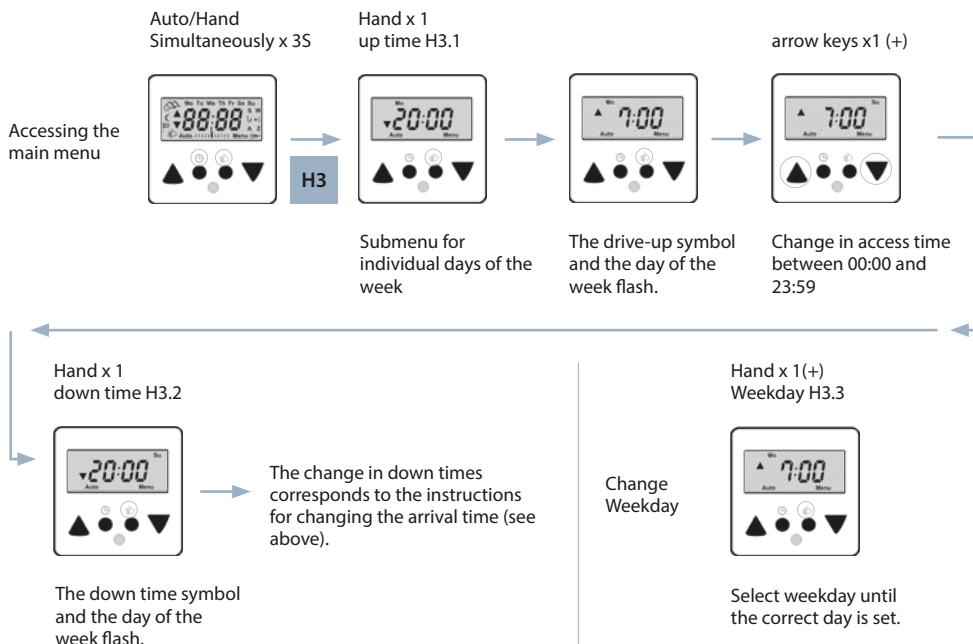
i **NOTE**
If the daily departure time is deactivated (OFF), the corresponding astro function (departure) is also deactivated.

H3 ACTIVATING THE WEEKLY FUNCTION



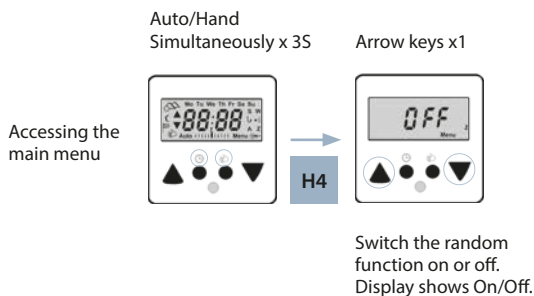
PROGRAMMING / SETTINGS

H3 CHANGE IN UP AND DOWN TIMES ON INDIVIDUAL DAYS OF THE WEEK



H4 SETTING THE RANDOM FUNCTION

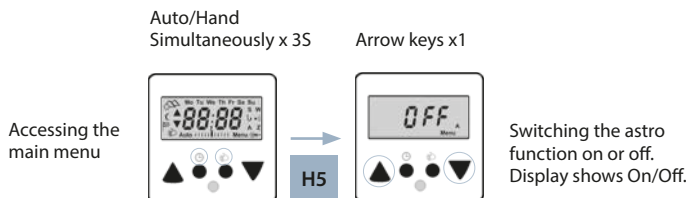
The random generator produces a so-called random time. This causes the roller shutter to open or close with a deviation of up to +/- 15 minutes from the previously programmed times. This 'irregular' opening and closing of the roller shutter gives the impression of an occupied house and thus offers additional protection during longer periods of absence.



PROGRAMMING / SETTINGS

H5 SETTING THE ASTRO FUNCTION

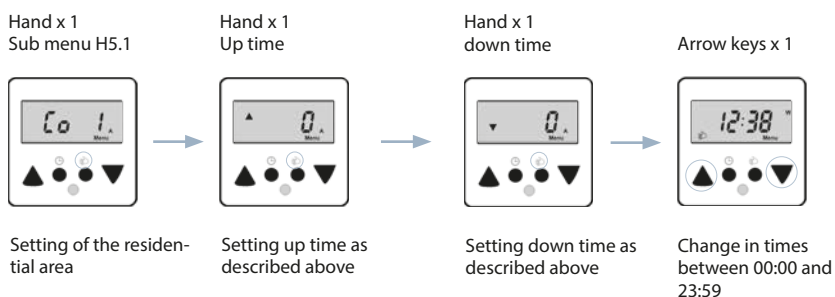
The astro function is an electronic calendar. Taking into account the sunrise and sunset times for your geographical location (see astro table), the travel times are adjusted automatically. However, these are compared with the set arrival and departure times.



ASTROTABELLE

Programmed up time	before	the morning Astro time	roller shutter moves up at Astro time	thus always at the later time
Programmed up time	after	the morning Astro time	roller shutter moves up at programmed Up time	
Programmed down time	before	the evening Astro time	Rolladen fährt zur Astrozeit runter	thus always at the earlier time
Programmed down time	after	the evening Astro time	roller shutter moves down at programmed Down time	

H5.1 SUB-MENU FOR SETTING THE PLACE OF RESIDENCE



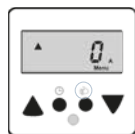
ASTROLOGICAL TABLE FOR RESIDENTIAL AREAS

Code	Residential areas	Code	Residential areas	Code	Residential areas	Code	Residential areas
1	Schleswig-Holstein, northern Lower Saxony	5	Rhineland-Palatinate, Saarland, Hesse	9	Scandinavia	13	Southern France
2	Mecklenburg-Western Pomerania	6	Saxony, Thuringia	10	Great Britain	14	Switzerland, Austria, northern Italy
3	North Rhine-Westphalia, southern Lower Saxony	7	Baden-Wuerttemberg	11	Northern France, Belgium, The Netherlands, Luxembourg	15	Spain
4	Brandenburg, Saxony-Anhalt	8	Bavaria	12	Germany	16	Southern Italy, Sicily, Corsica, Sardinia

PROGRAMMING / SETTINGS

H5 SUB-MENU FOR SETTING THE UP/DOWN TIME CORRECTION

Hand x 1
Sub menu H5.2



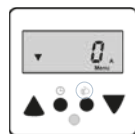
Up correction time

Arrow keys x 1(+)



Change in times of
+/-59 minutes

Hand x 1
Sub menu H5.3



Down correction time

Arrow keys x 1(+)



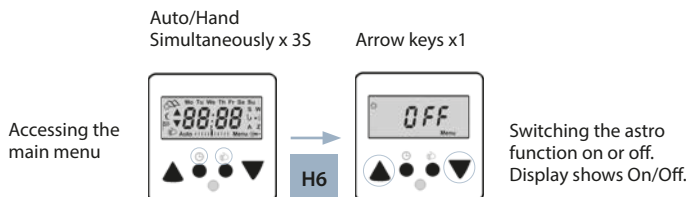
Change in times of
+/-59 minutes

H6 SETTING THE SUN FUNCTION

- The controller allows automatic closing based on sunlight when a lux sensor is connected.
- The sensor is attached to the window pane using a suction cup and continuously monitors the sunlight intensity.
- When an individually selectable threshold value is reached, the controller initiates a closing movement after the sun response delay has elapsed.
- The roller shutter closes until the sensor is shaded by the shutter.
- To enable the sensor for continued monitoring, the roller shutter then moves up a few centimetres into the so-called shaded position.
- In automatic mode, the current sunlight intensity is indicated by the sun and cloud symbols.

i NOTE

If the sun function is not used for a long period of time, please deactivate it. The lux sensor only works in automatic mode within the programmed opening and closing times and/or astro (opening/closing) times.



PROGRAMMING / SETTINGS

H6 SUB-MENU FOR SETTING THE SENSITIVITY

The higher the sensitivity of the lux sensor, the less sunlight is required to lower the roller shutter.

Hand x 1
Sub menu H6.1



Adjusting the
sensitivity

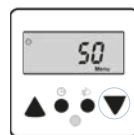
Up arrow key x 1(+)
Auto setting



Setting
100, 75, 50, 25, 1

100 = very sensitive,
75 = fairly sensitive,
50 = normal sensitivity
25 = fairly insensitive,
1 = ery insensitive

Down arrow key x 1(+)
Individual setting



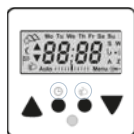
Setting
1-100

H7 SETTING THE MOTOR RUN TIME / INCHING MODE

Auto/Hand
Simultaneously x 35

Arrow keys x1(+)

Accessing the
main menu



H7



Use the up/down
arrow keys to set the
running time between

H7 SUB-MENU FOR SETTING THE TILTING FUNCTION

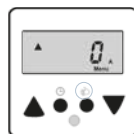
The 'Motor running time setting' menu item allows you to set the motor running time individually, enabling you to lower the roller shutter only partially, for example.

Hand x 1
Sub menu H7.1



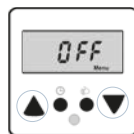
Setting the tilting time
0S - 30S

Hand x 1
Sub menu H7.2



Switching on and off
the tilting time

Arrow keys x 1



Display shows
On / Off

If this function is activated, tip operation (up/down) is possible for up to 2 seconds. If one of the buttons is pressed for longer than 2 seconds, the roller shutter continues to move for the set motor running time.



NOTE

Only possible in manual mode

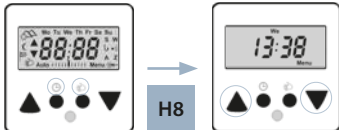
PROGRAMMING / SETTINGS

H8 SETTING THE TIME AND DATE

Auto/Hand
Simultaneously x 3S

Arrow times x1(+)

Accessing the main menu



Use the arrow keys
Up/Down to set the
time.

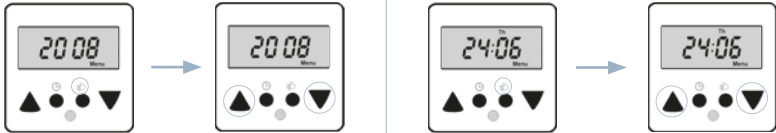
H8 SUBMENU FOR SETTING THE TIME AND DATE

Hand x 1
Sub menu H8.1

Arrow keys x 1(+)

Hand x 1
Sub menu H8.2

Arrow keys x 1(+)



Setting the year

Setting the year

Setting the date

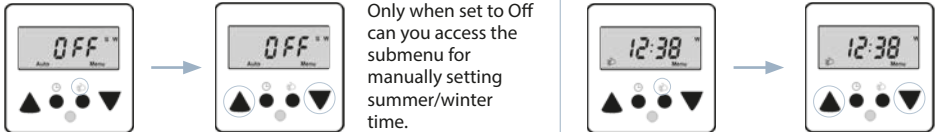
Setting the date

Hand x 1
Sub menu H8.3

Arrow keys x 1

Hand x 1
Sub menu H8.4

Arrow keys x 1



Setting Summer / Winter time

Automatic or individual setting Summer/winter time

Only when set to Off can you access the submenu for manually setting summer/winter time.

Setting manually summer/winter time

Setting manually summer/winter time

A BASIC SETTING

A.1 MANUAL/AUTOMATIC MODE

After installation and switching on the operating voltage, the current time is shown on the control unit display. The control unit is in manual mode, meaning that all automatic functions are disabled.

PROGRAMMING / SETTINGS

A.2 SWITCHING FROM MANUAL MODE TO AUTOMATIC MODE

Auto x 1



Automatic control is activated; the roller shutter moves up and down at the programmed times.

Switch to automatic mode

Arrow keys x 1



Up = Stop descent
Down = Stop ascent

Movement only after pressing Up or Down again

Stop: press the opposite button

Auto x 1



Manual control is activated; the roller shutter is raised and lowered manually.

Switch to manual mode

i NOTE

In automatic mode, the arrival and departure times for the current day are displayed after the arrival or departure button is pressed briefly (< 1 s). If the random, astro or reversal function is activated, the respective function is indicated by corresponding symbols.

B RESETTING THE CONTROL SYSTEM TO FACTORY SETTINGS

Reset 1x



i NOTE

The reset button is located underneath the cover. Please remove it carefully in order to press the reset button.

Device is reset to factory settings.

PROGRAMMING / SETTINGS

B.1 POWER FAILURE

The controller has a backup reserve that maintains the internal clock for several years in the event of a power failure.

- Immediately after the mains supply is interrupted, the display begins to flash and switches off completely after approx. 10 minutes.
- This is not an indication of an empty battery.
- When the power supply returns, the controller automatically displays the correct time.
- If any travel commands were pending during the power failure, they will be executed automatically once the power is restored.

B.1 BATTERY REPLACEMENT

If the controller no longer displays the correct time and/or date after a power failure, a battery replacement is likely required.

- All user-programmed settings, as well as the time and date, will be deleted during the battery change, and the factory default settings will be restored.
- Remove the control unit from the power unit. A battery of type CR2032 is located on the back of the control unit.
- Remove the battery and insert a new one of the same type (observe polarity!).
- Press the reset button as described on the previous page.
- Then place the cover back onto the control unit and reinsert it into the power unit.

INSTALLING THE LUX SENSOR

To use the sun function, each control system must be fitted with a lux sensor. However, only 1 lux sensor may be connected to the control system and the lux sensor cable must not be extended under any circumstances..

- 1. Remove the operating device from the power supply.
- 2. Plug the lux sensor connector into the socket on the front of the power supply.
- 3. Gently press the operating device back into the power supply.
- 4. Mount the lux sensor in the required position on the window pane.
- 5. Switch the control system to automatic operation mode.



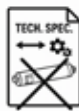
The following lux sensors are available for the control system:

- LS 1 TQ, cable length 1 m (article-no. 01130130)
- LS 3 TQ, cable length 3 m (article-no. 01130330)
- LS 5 TQ, cable length 5 m (article-no. 01130530)

WARRANTY/MAINTENANCE

Principally, the General Terms and Conditions of the manufacturer, Vestamatic International 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.



MAINTENANCE

The product is maintenance-free.