

**RolloTron flush-mounted belt winder classic**

Translation of the Original Operating and Assembly Manual



Item No.: _____

10132345

10132360 (Power)

10141545 (Small belt)

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i 1. Hazard symbols



Danger of fatal electric shock



Danger area / dangerous situation

i 1.1 Levels of danger and signal words



DANGER!

This hazard will result in serious injury or death if not avoided.



WARNING!

This hazard may result in serious injury or death if not avoided.



CAUTION!

This hazard may result in minor or moderate injury if not avoided.



ATTENTION!

This hazard may lead to property damage.

i 1.2 Symbols and depictions used

1. Steps to be taken
- 2.



Itemisation

1. List



Please read the respective manual



further useful information



The use of defective equipment can lead to personal injury and damage to property (electric shocks, short circuiting).

- ◆ Never use defective or damaged equipment.
- ◆ Check the device and mains cable beforehand for damage.
- ◆ Should you discover damage to the equipment, please consult our customer service department (see page 92).



Incorrect use leads to an increased risk of injury.

- ◆ Train all personnel to use the RolloTron flush-mounted belt winder classic safely.
- ◆ This device may be used by children from 8 years of age upwards as well as by persons with reduced physical, sensory or mental capacities or with lack of experience and knowledge if they are supervised or have been instructed on how to use the device safely and if they understand what dangers may result from this.
- ◆ Children must not play with the device.
- ◆ Cleaning and user maintenance may not be carried out by children without supervision.

- ◆ Watch the moving roller shutters whilst carrying out the settings and during normal operation, and keep other people away from the area to avoid injury in the event the shutters suddenly slip.
- ◆ Carry out all cleaning work on the roller shutters whilst the device is disconnected from the mains power.

The mains socket and plug must be easily accessible at all times.



Exceeding the maximum permissible running time (KB) can overload and damage the RolloTron flush-mounted belt winder classic.

- ◆ The maximum permissible running time for a cycle may not be exceeded when the equipment is in operation. For this reason, the RolloTron flush-mounted belt winder classic has an automatic **running time limit (KB)** of four minutes.
- ◆ If the running time limit is triggered, then the RolloTron flush-mounted belt winder classic must be left for at least 12 minutes to cool down. Full operational availability is reestablished after approx. one hour.

According to DIN EN 13659, it is necessary to determine that the movement conditions for the shutters are maintained in accordance with EN 12045.



- ◆ The displacement must amount to at least 40 mm on the lower edge in the rolled-out position with a force of 150 N in the upwards direction.
- ◆ In doing so, it must be ensured that the extending speed of the shutters for the final 0.4 m is less than 0.15 m/s.

Only use the RolloTron flush-mounted belt winder classic for opening and closing roller shutters with a permissible belt.



Mechanical locks of any kind are not suitable for automated operation with this device.

Only use original spare parts from HOMEPILOT.

- ◆ By doing so, you avoid the risk of malfunctions and damage to your RolloTron flush-mounted belt winder classic.
- ◆ As the manufacturer, we provide no guarantee for the use of third-party components and accept no liability for consequential damage resulting from such.
- ◆ All repairs to the RolloTron flush-mounted belt winder classic must be undertaken by authorised customer service personnel.

Operating conditions

- ◆ Only operate the RolloTron flush-mounted belt winder classic in dry rooms.
- ◆ A 230 V / 50 Hz power supply, together with a site-provided isolating device (fuse, MCB), must be permanently available at the installation location.
- ◆ An easily accessible 230 V / 50 Hz socket must be available at the installation site if the enclosed connecting cable with Euro plug is being used.
- ◆ The roller shutters must run up and down smoothly and should not stick.
- ◆ The mounting surface for the RolloTron flush-mounted belt winder classic must be flat.

Using the RolloTron flush-mounted belt winder classic for purposes other than previously mentioned is impermissible and is regarded as improper use.



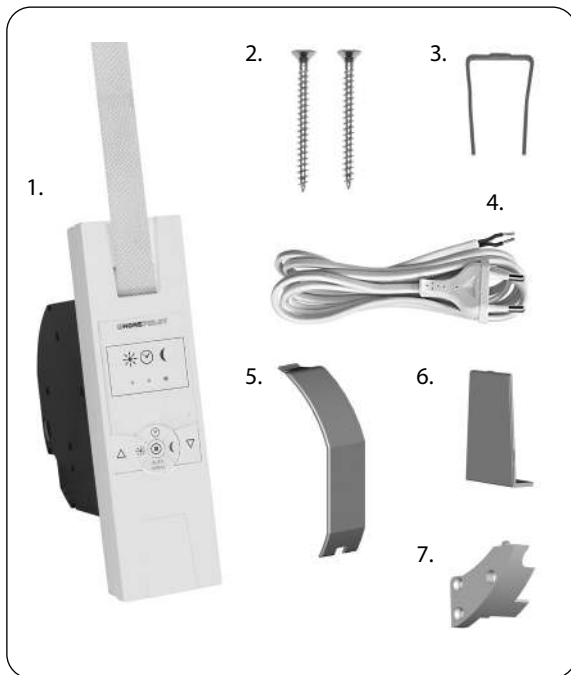
There is a risk to life caused through short circuiting and electric shocks if the RolloTron flush-mounted belt winder classic is used outside.

- ◆ Never install or operate the RolloTron flush-mounted belt winder classic outside.

The electrical connection, installation and commissioning of the RolloTron flush-mounted belt winder classic must only be carried out by a qualified electrician in accordance with the instructions in this manual.

3. Scope of delivery (item no. 10132345) *

* also applies to item numbers 10132360 / 10141545



Legend

1. RolloTron flush-mounted belt winder classic or Power
2. 2 x assembly screws (4 x 55 mm)
3. Disengaging bracket (in housing)
4. Connection cable with Euro-plug
5. Reel compartment cover
6. Cover plate
7. Traction relief mechanism including assembly screws

After unpacking please check and compare ...

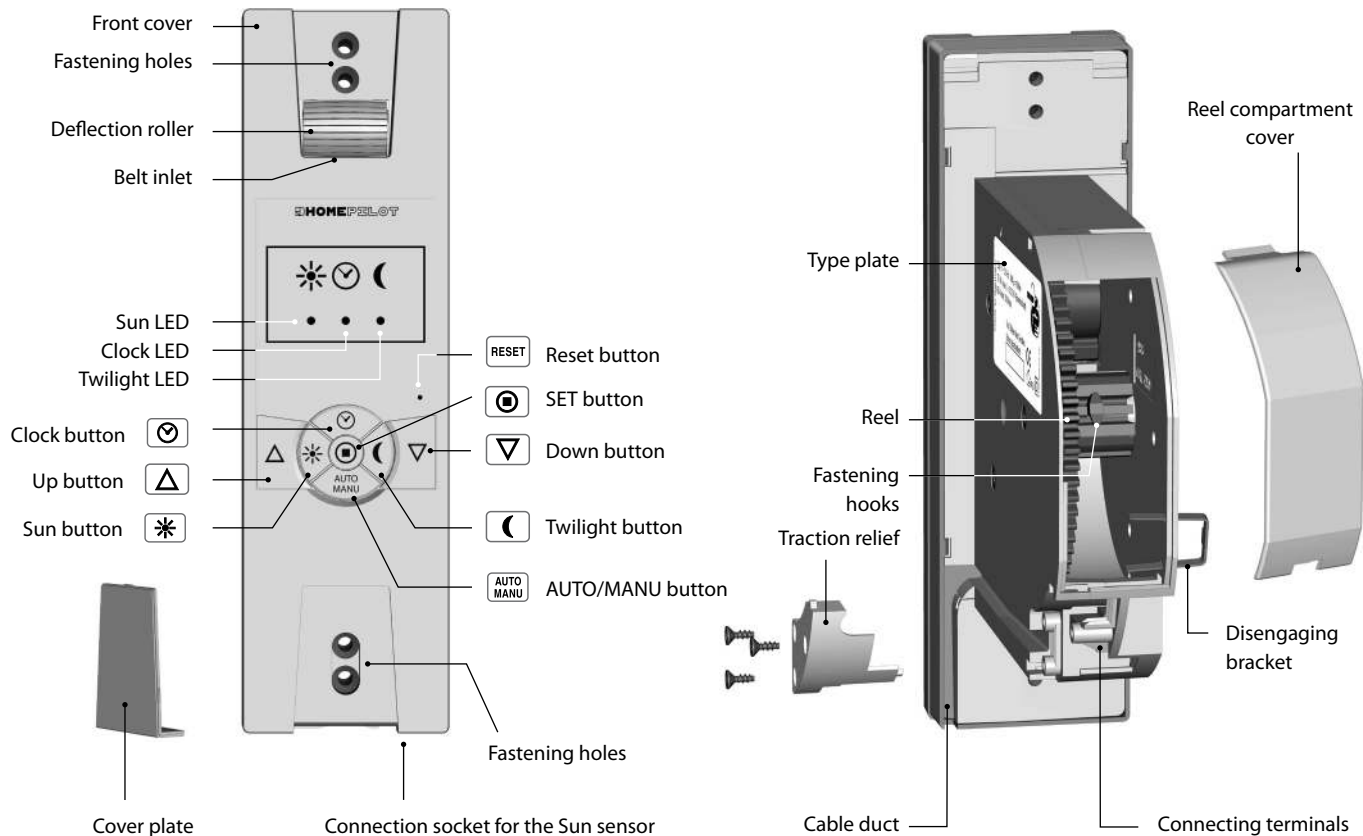
the contents of the package with the above specified.

Check the details on the type plate

Check that the voltage / frequency on the type plate corresponds to the local mains conditions.

4. General view (item no. 10132345) *

* also applies to item numbers 10132360 / 10141545



**ATTENTION!**

The RolloTron flush-mounted belt winder classic may be damaged if excessively long belts are used.

Only use belts of the permissible lengths.



The specifications are intended for guidance only and apply to an ideal installation situation. The actual values may vary due to local conditions.

Table 1: Permissible roller shutter belts

RolloTron flush-mounted belt winder classic: Item No:		classic small belt 10141545	classsic 10132345	classic Power 10132360
Belt width:	Belt thick-ness:	Maximum belt length		
15 mm (Small belt)	1.0 mm	7.6 m	---	---
23 mm (Standard belt)	1.0 mm	---	7.6 m	15 m
	1.3 mm	---	6.2 m	12 m
	1.5 mm	---	5.2 m	11 m

Table 2: Permissible roller shutter surface area (m²)

Roller shutter type:	Weight/m²	Permissible roller shutter surface area (m²)		
Plastic roller shutters	(4.5 kg/m²)	Approx. 6 m²	Approx. 6 m²	Approx. 10 m²
Aluminium and wooden roller shutters	(10.0 kg/m²)	Approx. 3 m²	Approx. 3 m²	Approx. 6 m²

The RolloTron flush-mounted belt winder classic is a roller shutter drive designed for use inside. It is fitted as a flush-mounted device and the power supply is provided via the enclosed connecting cable with plug or a fixed installed lead.

Automatic LED dimming

The RolloTron flush-mounted belt winder classic is equipped with automatic dimming LEDs to reduce the light intensity (e.g. bedrooms). The LEDs dim as the roller shutters are lowered.

Features and control options:

- ◆ Manual operation (MANU)
- ◆ Automatic mode (AUTO), with a separate switching time for UP (△) and DOWN (▽)
- ◆ AUTO/MANU - switchover
- ◆ Automated solar function
- ◆ Automatic darkness function
- ◆ End point setting
- ◆ Permanent storage of the settings
- ◆ Obstacle detection
- ◆ Overload cut-off
- ◆ Soft-start and Soft-stop
- ◆ Setting the motor speed for automatic functions
- ◆ Automatic LED dimming

Soft-start / Soft-stop

The RolloTron flush-mounted belt winder classic is equipped with a Soft-start / Soft-stop function. Gentle starting and stopping serves to protect the belt winder mechanics and the belt.

Obstacle detection

The movement of the belt is monitored. If the roller shutters hit an obstacle in the DOWN (▽) direction, the belt will stop moving and the belt winder is switched off.



Once the system has switched off, it is no longer possible to directly operate the drive in the same direction.

- ◆ Run the belt winder back in the opposite direction and remove any possible obstacle.
- ◆ Subsequently it is possible to operate the drive in the original direction again.



There is a risk of injury if the obstacle detection is not working.

- ◆ The belt must be wound on as evenly as possible to ensure safe and correct functioning of the obstacle detection function.
- ◆ Please ensure that the belt winds as straight and evenly as possible into the device during its subsequent cycle after the obstacle detection system has triggered.

Overload cut-off

The RolloTron flush-mounted belt winder classic is equipped with an overload cut-off system.

If the drive jams in the UP (△) cycle (for example, due to ice), the belt winder will also switch off.

- ◆ Once the cause for the overload has been rectified, the drive is fully operational in both directions.



Poor routing of the belt can cause the belt to fail and leads to unnecessary loads on the RolloTron flush-mounted belt winder classic.

- ◆ Install the belt winder so that the belt runs as straight as possible into the device, in order to avoid unnecessary friction and wear.

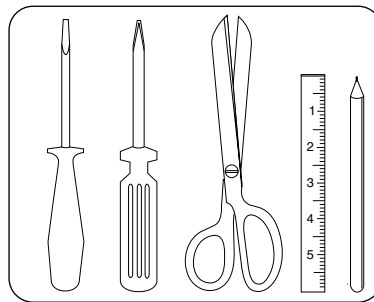


Incorrect installation can lead to property damage.

- ◆ Strong forces are exerted during operation of the system which require secure installation on a firm base.

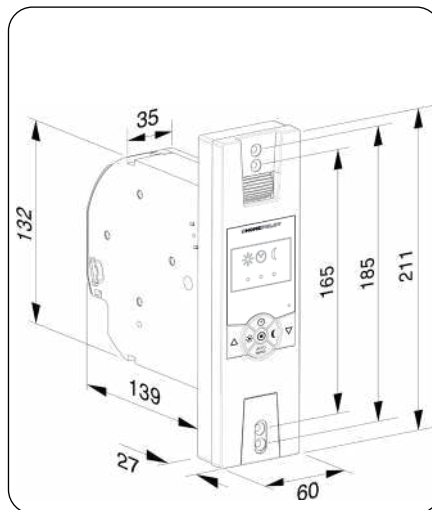
7.1 You will need the following tools

- ◆ Screwdriver
- ◆ Scissors
- ◆ Carpenter's gauge or measuring tape
- ◆ Pen



1. Take measurements.

Check that the belt box has sufficient space to house the RolloTron flush-mounted belt winder classic.



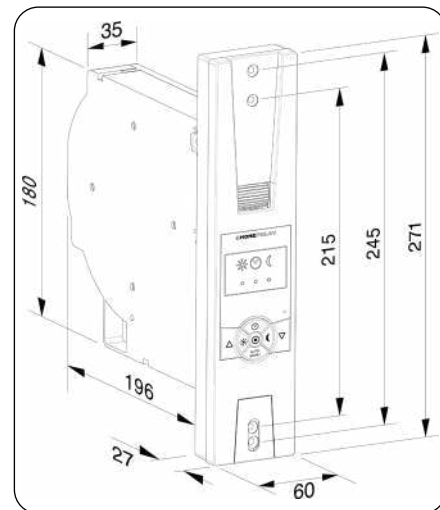
All dimensions in mm

RolloTron flush-mounted belt winder classic

Item no.:

10141545 (Small belt)

10132345 (Standard belt)



All dimensions in mm

RolloTron flush-mounted belt winder Power classic

Item no.:

10132360 (Standard belt)

i 7.2 Preparation for installation

EN

2. Remove the old belt winder, if you are carrying out a conversion to an existing roller shutter system.

- 2.1 Let the roller shutter move fully down, until the slats are completely closed.

- 2.2 Remove the old belt winder and unreel the belt.

! CAUTION!

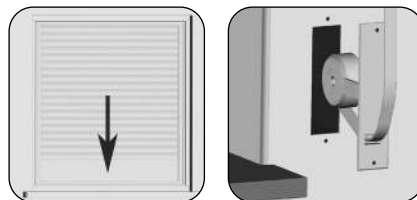
There is a risk of injury from the pre-tensioned springs on the old belt winder.

- ◆ The spring unit can suddenly recoil when it is removed.
- ◆ Hold the spring unit firmly when loosening the belt and allow it to recoil slowly until the spring unit has completely unwound.

3. Prepare the belt.

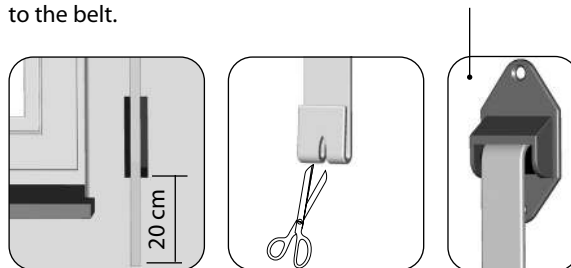
- 3.1 Cut the belt off approx. 20 cm under the belt box.

- 3.2 Fold the end of the belt over by approx. 2 cm and cut a short slit in the centre. This enables you to subsequently hook the belt onto the reel.



Recommendation

The belt must run as straight and freely as possible. For stiff roller shutters, mount a deflection roller on the belt box. This helps to prevent unnecessary friction and wear to the belt.



Accessories, see page 90.

**DANGER!**

Danger due to electric shock when working on all electrical systems.

- ◆ Carry out all installation and connection work only in an isolated, zero-volts state.
- ◆ Disconnect all phases of the mains power supply cable and secure it to prevent any reconnection.
- ◆ Check the system for a zero-voltage status.



The electrical connection for the RolloTron flush-mounted belt winder classic can be made either with the supplied connecting cable or via a fixed laid cable.

1. Connect the provided connecting cable to the connecting terminals of the RolloTron flush-mounted belt winder classic.

The colour coding is irrelevant for the installation.



WARNING!



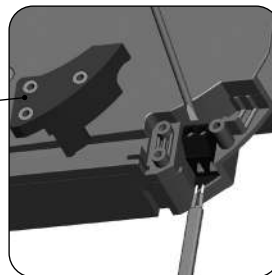
Damaged cables can cause short circuits.

- ◆ Pay attention that cables are laid safely.
- ◆ The connecting cable may not be pinched when screwing on the belt winder as this could lead to damage.

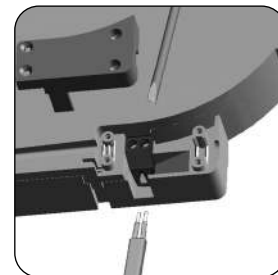
2. Lay the connecting cable to the RolloTron flush-mounted belt winder classic in a cable duct.

3. Finally, screw on the traction relief mechanism with the screws provided.

Traction relief

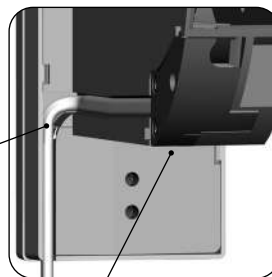


RolloTron flush-mounted belt winder classic



RolloTron flush-mounted belt winder Power classic

Cable duct



Traction relief

i 9. Drawing in and fastening the belt

1. Insert the mains plug into the socket.



There is a risk of injury from the reel.

Never reach into the reel compartment when the motor is running.

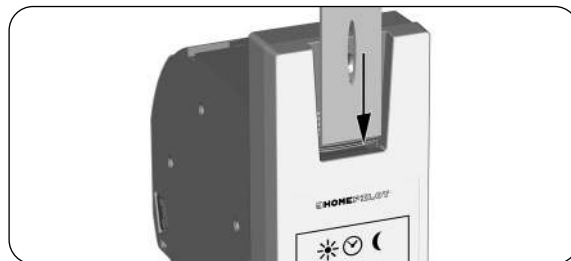
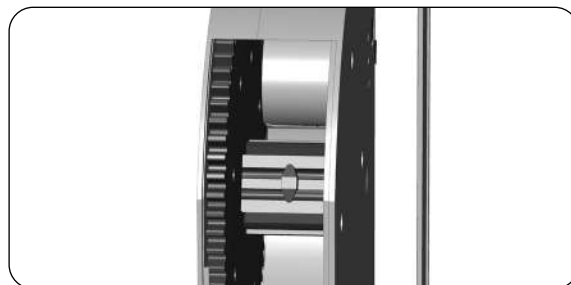
2.  Press the UP button until the fastening hooks are easily accessible in the reel compartment.



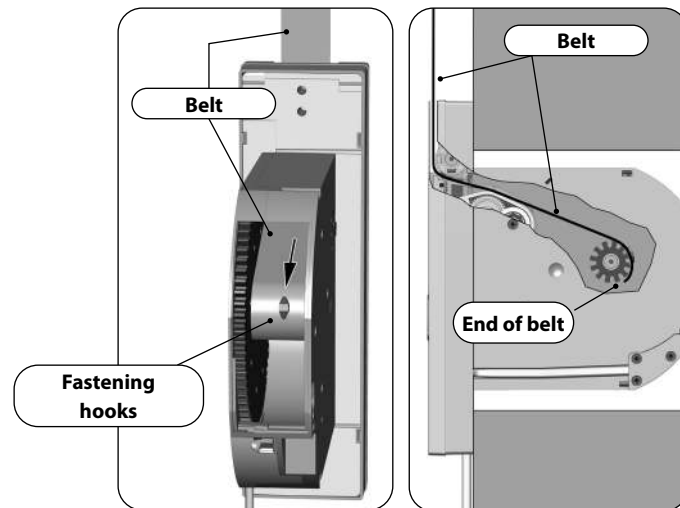
As no end points have been set yet, the drive will stop as soon as you release the button.

3. Always remove the mains plug from the socket.

4. Next, draw-in the belt into the RolloTron flush-mounted belt winder classic from the top.



5. Continue to feed the belt into the device as shown in the bottom right sectional diagram and subsequently slide the belt over the fastening hooks from above.
6. Re-insert the mains plug into the socket.
7.  Press the UP button until the belt has wound around the reel once completely.
8. Pull the belt tight when winding, so that the deflection roller turns at the same time.
9. Finally remove the mains plug from the socket again.
10. Finally, place the provided reel compartment cover onto the reel compartment.



**Belt path in
RolloTron flush-mounted belt
winder classic**

Mount the RolloTron flush-mounted belt winder classic as straight as possible, so that the belt can wind correctly. Ensure that the RolloTron flush-mounted belt winder classic sits freely in the belt box and that it is not in contact with the masonry, otherwise noise will be generated during operation.

1. Slide the RolloTron flush-mounted belt winder classic into the belt box and screw it tight using the screws provided.

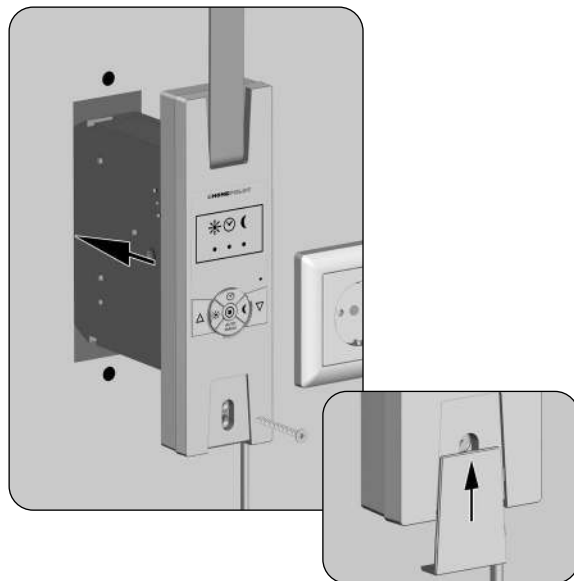


WARNING!

A damaged connecting cable may cause a short circuit.

Ensure that the connecting cable is laid correctly inside the cable duct, otherwise it can be crushed and damaged when the cover is screwed in place.

2. Slide the enclosed cover plate over the lower mounting holes.



3. Mount the Sun sensor (not included, see page 90, Accessories).

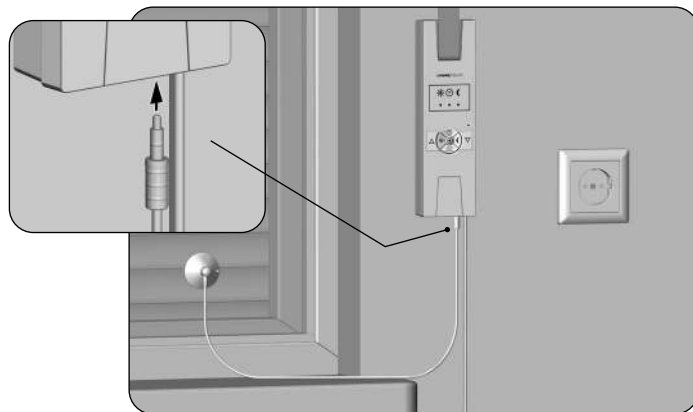
- 3.1 Insert the Sun sensor plug into the designated connection socket at the bottom of the RolloTron flush-mounted belt winder classic.

- 3.2 Subsequently secure the Sun sensor to the window pane using the sucker.



The position of the Sun sensor on the window pane determines the point at which the roller shutters will close to in the event of sunlight.

4. Re-insert the mains plug into the 230 V / 50 Hz socket. This completes the installation process.



Additional information about configuring the end points

The end points must be configured in order that the roller shutters stop at the desired upper and lower positions. It is imperative that both end points are configured, otherwise malfunctions may occur.



If the RolloTron flush-mounted belt winder classic is operated without an end point setting, the drive will continue to run for as long as one of the two control buttons is actuated.

The automatic functions remain blocked until the end point setting is configured.

Set the upper end point

1.  +  Simultaneously press and hold the buttons.
The roller shutters travel up.

- 1.1 Tighten the belt slightly, until it is tensioned by the weight of the roller shutters.

2.  +  Release the buttons as soon as the roller shutter achieves the desired position for the upper end point.
The roller shutter stops and the upper end point is stored.



ATTENTION!

Setting the wrong upper end point may lead to overload or damage the RolloTron flush-mounted belt winder classic or the drive.

- ◆ Do not set the upper end point right up to the limit stop.
- ◆ Release the button promptly and never allow it to extend beyond the respective end point.

Set the lower end point

3.  +  Simultaneously press and hold the buttons.
The roller shutters travel down.
4.  +  Release the buttons...
...as soon as the roller shutter achieves the desired position for the lower end point. The roller shutter stops and the lower end point is stored.



Please ensure that the belt is not excessively slack when reaching the lower end point.

Changing or correcting the end points

5. Move the roller shutters to the centre position and configure the respective end point again.



After a period of time it may be necessary to reconfigure the end points as the belt may elongate during the process of operation.

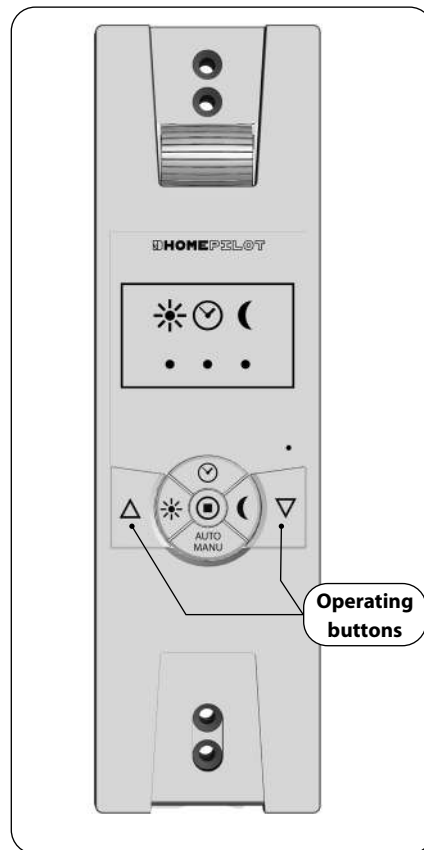


12. Manual operation

EN

Manual operation is always possible and has priority over the programmed automatic functions.

1.  Open the roller shutters.
Briefly pressing the button causes the roller shutters to move to the upper end point.
2.  or  Causes the roller shutters to stop in the interim.
3.  Closing the roller shutters.
Briefly pressing the button causes the roller shutters to move to the lower end point.



13. Automatic mode; brief description

The RolloTron flush-mounted belt winder classic features three automatic functions:

- ◆ Automated solar function
- ◆ Automatic timer
- ◆ Automatic twilight function

All of the automatic functions can be combined as well as independently activated and deactivated on the RolloTron flush-mounted belt winder classic.

The status of each automatic function is indicated by the respective LED. The automatic timer can only be activated if a time setting has previously been programmed.

13.1 Switch all automatic functions on / off simultaneously

1.  Press and hold the [AUTO/MANU] button for approx. 1 second.
2. All previously activated automatic functions will be simultaneously switched on or off.
3. Observe the LEDs indicating the status of the automatic functions.
4. Once automatic mode is deactivated, it is only possible to operate the system manually.



14. Automatic timer; brief description

EN

The same switching times every day of the week.

You can set an opening and closing time for your belt winder which will apply to all days of the week. Once this time is reached, the roller shutters will open or close automatically.

Changing the switching times

You can change the switching time settings at any time. Please note that each new setting deletes the previous setting.



In order to set the switching times, you must carry out this step once at the time that the roller shutters are to open or close.

- ◆ For example, carry out the step at 8:00 o'clock in the morning if you want the roller shutters to open at 8:00 AM every day.
- ◆ You must set at least one switching time, in order to activate the automatic timer.
- ◆ Your changes will not be executed until the next day when you configure opening and / or closing times.



14.1 Configuring an opening and closing time

Configure an opening time (△) (e.g. at 8:00 AM)

1.  +  Simultaneously briefly press the buttons.
2. 
 The timer LED flashes the roller shutters travel upwards.
The automatic timer is now activated. Your roller shutters will open automatically every day at 8:00 AM.

Configure a closing time (▽) (e.g. at 20:30 in the evening)

1.  +  Simultaneously briefly press the buttons.
2. 
 The timer LED flashes the roller shutters travel downwards.
The automatic timer is now activated. Your roller shutters will close automatically every day at 20:30.



14.2 Switching the automatic timer on/off

EN

You can toggle between automatic and manual modes at any time if required.



Manual operation of the roller shutters is possible at any time, regardless of the automatic settings.

1. 

Press the timer button for approx. 1 second.

2. 

Pay attention to the timer LED.



OFF

The automatic timer is switched off.



ON

The automatic timer is switched on.



Flashing

After previous power failure, if at least one switching time has previously been configured.



In the event of power failure, the switching times will be extended by the duration of the power failure, and therefore may require reconfiguration.



15. Automated solar function; brief description

EN

The automated solar function enables brightness-dependent control of the roller shutters in combination with the Sun sensor. To do this, the Sun sensor is secured to the window pane with a sucker and then plugged into the RolloTron flush-mounted belt winder classic.

Automated solar function

Automatic moving up and down of the roller shutter once a set limit is exceeded. The roller shutter end position can be freely selected by changing the Sun sensor position.



Example installation

Sun sensor, see page 90 (accessories)



15. Automated solar function; brief description

EN

Automatic lowering

If the sensor detects uninterrupted sunlight for 10 minutes, the shutter will descend until its shadow covers the Sun sensor.

Automatic clearing

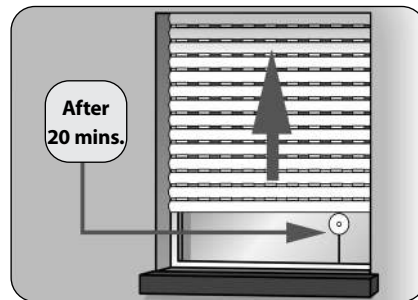
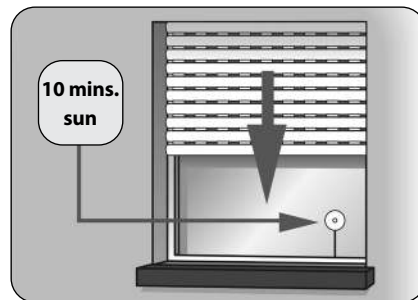
After approx. 20 minutes, the roller shutter is automatically raised a small amount to uncover the sensor. If the sun continues to shine, then the roller shutter remains in this position. If the brightness falls below the set limit, it will return to the upper end point.



The above mentioned delay times can be exceeded in the event of changing weather conditions.

The automated solar function will be terminated and must be reactivated if required after the following events:

- ◆ After manual actuation.
- ◆ After execution of an automatic function.
- ◆ After the upper end point is reached.





15.1 Automated solar function; configuring sensitivity

EN

The automated solar function is switched on by setting or changing the sensitivity.

Configure the brightness at the level which the blinds should be closed.



If you do not intend to use the automated solar function, it is necessary to remove the solar sensor from the window pane and protect it from the sunlight or remove the connector from the RolloTron flush-mounted belt winder classic device.

Set the current brightness as set limit and switch on the automated solar function.

1. + Simultaneously press the buttons.
The current brightness is now set as the set limit and the automated solar function is activated. If this value is exceeded, the roller shutters will roll down to the Sun sensor.



Pay attention to the solar LED.

OFF

Automated solar function OFF

ON

Automated solar function ON

Slowly flashing...

- ◆ if the set limit is exceeded.
- ◆ if the current brightness value is within the measured range while configuring the set limit.

Rapid flashing

If the current brightness value is outside the measuring range, the set limit is set to the measured range limit.



You can switch the automated solar function on and off as required.

In order to do so, press and hold the sun button for approx. 1 second.



16. Automatic twilight function; brief description

EN

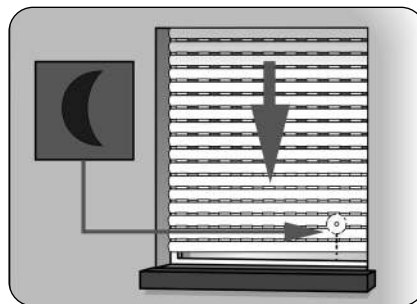
The automatic twilight function causes the roller shutters to close automatically under the following conditions:

- ◆ If the automatic twilight function is activated.
- ◆ If twilight is detected for a minimum of 15 seconds.
- ◆ If the Sun sensor has been mounted and plugged into the RolloTron flush-mounted belt winder classic.

Automatic lowering

At twilight, the roller shutters will lower to the lower end point after approx. 15 seconds. The roller shutters will open again once the configured opening time is reached or in the event of a manual UP command.

The required twilight limit is configurable.



If the roller shutters are to be lowered as a result of the automatic twilight function, then you must either set the closing time to a time after dusk (see example).

If an automatic closing command is given before twilight triggers, then the automatic twilight function will not be executed.

Example	1	/ 2
Automatic closing time:	23:00 hours	/ 19:30 hours
Onset of dusk:	20:30 hours	/ 20:30 hours
Your roller shutters will close automatically at:	20:30 hours	/ 19:30 hours



16.1 Automatic twilight function; configuration of sensitivity

EN

The automatic twilight function is switched on by setting or changing the sensitivity.

Configure the brightness at the level (twilight) which the blinds should be closed.



If you intend not to use the automatic twilight function, it is necessary to unplug the Sun sensor from the RolloTron flush-mounted belt winder classic device or deactivate the automatic twilight function.

Set the current brightness (twilight) as set limit and switch on the automatic twilight function.

1.  +  Simultaneously press the buttons.
The current brightness is now set as the set limit and the automatic twilight function is activated. If this value is exceeded, the roller shutters will roll down to the lower endpoint.

2. 



Pay attention to the twilight LED.

OFF

Automatic twilight function OFF

ON

Automatic twilight function ON

Slowly flashing...

- ◆ if the set limit is exceeded.
- ◆ if the current brightness value is within the measured range while configuring the set limit.

Rapid flashing

If the current brightness value is outside the measuring range, the set limit is set to the measured range limit.

3. 

You can switch the automatic twilight function on and off as required.

In order to do so, press and hold the twilight button for approx. 1 second.

The speed of the motor can be configured for recurring automatic functions if necessary (e.g. to reduce noise).

Recurring automatic commands are executed at the configured motor speed.

Manual movement commands and the first automatic run after the system has been operated manually are always executed at maximum motor speed..

Pay attention to the LEDs



= low speed



= average speed



= maximum speed

1. + +

Simultaneously press and hold the buttons for 4 seconds.

2.



One of the three LEDs will light up red depending on the set motor speed.

3.



Set the desired speed.



faster



slower

4. Carry out a test run.

This option remains active for approx. 4 seconds.



Test the set speed and noise level.

18. Erase all settings, software reset

If necessary, you can erase all of your settings and return the RolloTron flush-mounted belt winder classic system to its original factory settings.

1.  +  +  +  Simultaneously press and hold the buttons for 4 seconds.
2. All of the LEDs flash red by way of confirmation.
3. Release the buttons, subsequently all of the settings will be deleted.
End points / switching times / automated solar function / automatic twilight function.

19. Carry out hardware reset

A hardware reset can be carried out in the event that the RolloTron flush-mounted belt winder classic fails to react to commands.

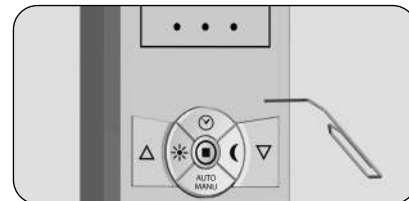
ATTENTION!

Never press the reset button when the motor is running, as otherwise the end points will be modified.



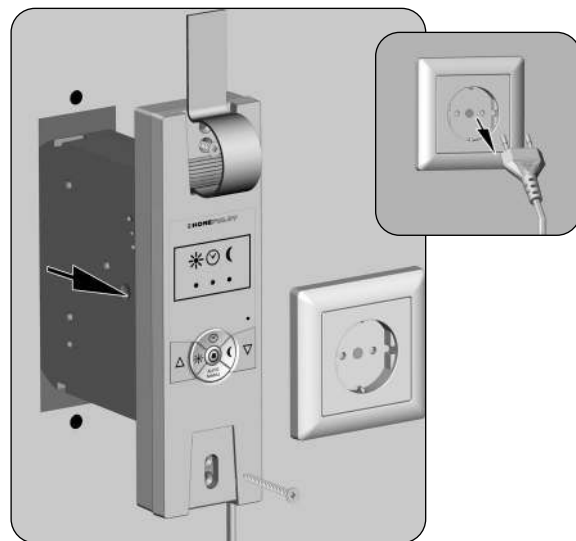
A hardware reset causes the internal power supply to the RolloTron flush-mounted belt winder classic to be briefly interrupted. The opening and closing times must be reconfigured accordingly. All other settings are retained.

1.   Press the reset button using a sharp object (e.g. a paper clip).



20. Removing the RolloTron flush-mounted belt winder classic (e.g. in the event of a move)

1.  +  +  +  Erase all settings.
Simultaneously press and hold the buttons for 4 seconds.
2.  Fully close the roller shutters.
3.  Keep the button held down.
4. In doing so, pull out the belt as far as possible from the top of the RolloTron flush-mounted belt winder classic.
5. Remove the cover plate from the lower mounting holes.
You can remove the front panel by gripping the small notch in the lower side of the device.
6. Remove the mains plug from the socket.
7. Subsequently release the fastening screws and pull the RolloTron flush-mounted belt winder classic completely out of the belt box.



20. Removing the RolloTron flush-mounted belt winder classic (e.g. in the event of a move)

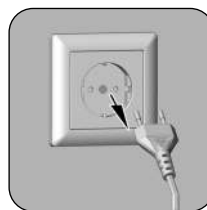
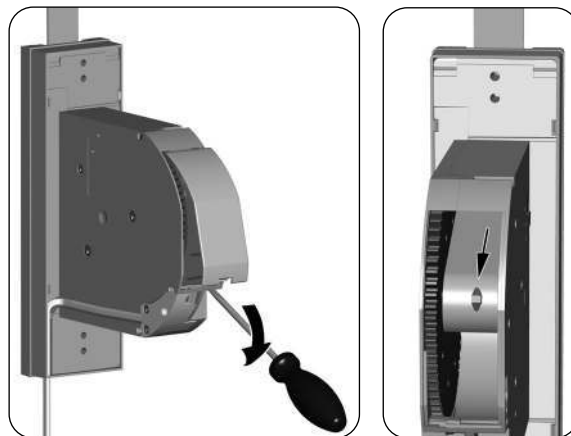
8. Remove the belt compartment cover.
9. Check the position of the fastening hook and move the hook into an easily accessible position if necessary.

! CAUTION!

There is a risk of injury from the reel.

- ◆ Never reach into the reel compartment when the motor is running.
- ◆ Always remove the mains plug before touching the reel compartment.

10. Subsequently remove the mains plug permanently from the socket.
11. Release the belt from the fastening hook and pull it out completely from the front of the RolloTron flush-mounted belt winder classic.



In the event that the RolloTron flush-mounted belt winder classic unit fails and the motor no longer runs, you can use the disengaging bracket provided in order to fully remove the belt from the belt winder unit, without the need for cutting it.

1. Remove the mains plug from the socket.
2. Dismantle the RolloTron flush-mounted belt winder classic as previously demonstrated on page 81.

WARNING!

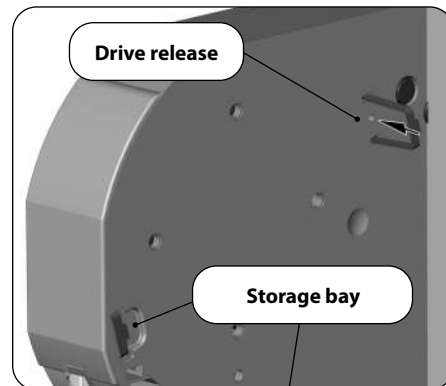
There is a risk of injury as the roller shutters may slam shut or fall in an uncontrolled manner.

- ◆ Secure the roller shutters from falling.
- ◆ Hold on to the belt tightly to stop the roller shutters from slamming shut or falling in an uncontrolled manner.
- ◆ Get a second person to help you unlatch the unit.

3. Release the drive with the help of the supplied disengaging bracket.
4. Maintain pressure on the disengaging bracket and pull the belt out of the RolloTron flush-mounted belt winder classic as far as possible.

5. Release the belt from the fastening hook and pull it out completely from the RolloTron flush-mounted belt winder classic.
6. Place the disengaging bracket back in its holder.

**RolloTron
flush-
mounted
belt winder
classic**



**RolloTron
flush-
mounted
belt winder
classic
Power**



Fault	Possible cause / solution
... the RolloTron flush-mounted belt winder classic indicates no functions?	Check the power supply including connecting cable and plug.
... the RolloTron flush-mounted belt winder classic no longer reacts at the configured switching time?	a) There may have been a power failure. Reconfigure the switching times, see page 72
	b) The end may points are not configured. Configure the end points, see page 68.
... the timer LED flashes?	There may have been a power failure. Reconfigure the switching times, see page 72
... the roller shutters no longer stop at the configured end points?	The end points may be displaced due to elongation of the belt. Re-adjust the end points, see page 68.
... the roller shutters stop as soon as the control button is released?	The end points are not configured. Configure the end points, see page 68.
... the automated solar function does not work?	a) Check whether the sun sensor is attached to the window pane.
	b) Is the sunlight not bright enough or is the sensor excessively darkened as a result of shading?
	c) Check the sun sensor connecting cable for damage.
	d) Is the plug properly connected to the device?
... the RolloTron flush-mounted belt winder classic rotates in the wrong direction?	Possibly the belt is wrapped around the reel incorrectly, see page 64.

Fault	Possible cause / solution
... the roller shutters stop during downward travel?	a) The roller shutters may have hit an obstacle. Move the roller shutters back up and remove the obstacle.
	b) Slats have shifted out of alignment. If possible, move the roller shutters back up and realign the slats.
	c) The roller shutters scrape against the window frame inside the roller shutter box due to the lack of a pinch roller or insulation material may have come free and is jamming the roller shutters. Open the roller shutter box and rectify the fault. Lubricate any stiff areas with gliding wax if necessary.
	d) The roller shutters are too light. Increase the weight of the roller shutters by, for example, adding a piece of flat steel to the bottom slat.
... the roller shutters stop suddenly during upward travel?	a) The drive may be jammed, for example, due to the roller shutters freezing up or other obstacles.
	b) The roller shutters may not be running sufficiently smoothly. Check the roller shutters and roller shutter guides.
	c) The roller shutters may be too heavy. The maximum tractive force of the belt winder has been exceeded, see page 89.

Fault	Possible cause / solution
... all of the LEDs flash successively (running light) and the RolloTron flush-mounted belt winder classic fails to operate in any direction?	The maximum running time of the drive has been exceeded, see page 51/88. The motor is too hot. The belt winder will be operational again in approx. 1 hour.
... the RolloTron flush-mounted belt winder classic no longer reacts in the morning at the configured switching time?	The electronic system switched off the drive after closing the roller shutters because the deflection roller stopped turning. This is the case if:
	a) The [Down] button was pressed for an excessive period of time during the configuration process for the lower end point. The roller shutter slats are closed, but the belt continued to wind and is no longer tight on the deflection roller. b) The lower end point is displaced due to elongation of the belt. The belt may never be slack. Reconfigure the lower end point (see page 69) and ensure that the belt remains tight to the deflection roller. In doing so, the deflection roller must turn evenly.
... the RolloTron flush-mounted belt winder classic fails to react properly either manually or automatically?	a) The RolloTron flush-mounted belt winder classic is no longer ready for operation. Carry out a hardware reset in accordance with page 80.
	b) If the RolloTron flush-mounted belt winder classic still fails to react after the hardware reset, carry out a software reset in accordance with the instructions on page 80. Subsequently test the RolloTron flush-mounted belt winder classic with the default factory settings.

Maintenance



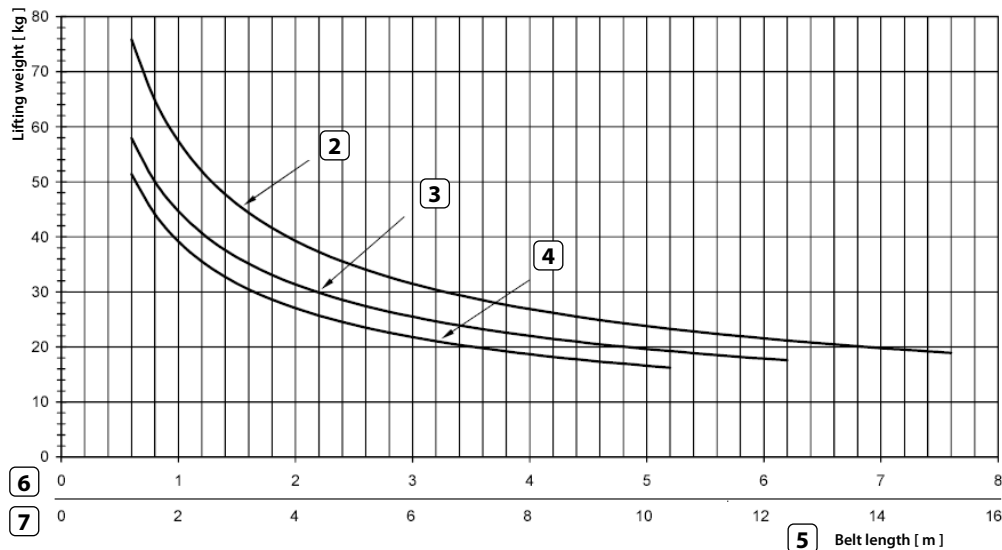
Inadequate maintenance may lead to personal injury through damage to your RolloTron flush-mounted belt winder classic and to the roller shutter system.

- ◆ Please check the RolloTron flush-mounted belt winder classic and all of your roller shutter components regularly for damage.
 - Regularly check the RolloTron flush-mounted belt winder classic for its correct functionality.
 - The shutters must not be damaged.
 - The belt must not be frayed.
 - The deflection roller on the roller shutter box must move freely.
 - The winding reel in the roller shutter box must be attached and stable. After a longer period of use, this may lose its stability.
- ◆ Have damages components exchanged by a specialist firm.

Care

You can clean the RolloTron flush-mounted belt winder classic using a lightly dampened cloth. Please do not use aggressive or abrasive cleaning agents.

Supply voltage:	230 V / 50 Hz; 230 V / 60 Hz
Nominal power:	70 W
Standby power:	< 0.35 W
Nominal torque:	
- RolloTron flush-mounted belt winder classic	10 Nm
- RolloTron Power	14 Nm
Maximum speed:	
- RolloTron flush-mounted belt winder classic	30 RPM.
- RolloTron Power	24 RPM.
Maximum tractive force:	See page 89 (tractive force diagram)
Transient operation:	4 minutes (maximum running time)
Protection class:	II
Protection type:	IP20 (only for use in dry rooms)
Number of switching times:	2 (UP and DOWN)
Automated solar function configurable range:	4,000 to 40,000 Lux
Automatic twilight control configurable range:	4 to 40 Lux
Permissible ambient temperature:	0 - 40 °C
Noise pressure level (LpA):	≤ 70 dB(A)
Mains connecting cable:	2 x 0.75 mm ² (H03VVH2-F)
Dimensions:	See page 60



- 1 Lifting weight [Kg]
- 2 Belt thickness 1.0 mm
- 3 Belt thickness 1.3 mm
- 4 Belt thickness 1.5 mm
- 5 Belt length [m]
- 6 Belt lengths for RolloTron flush-mounted belt winder classic
- 7 Belt lengths for RolloTron flush-mounted belt winder classic Power



26. Simplified EU Declaration of Conformity

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DELTA DORE RADEMACHER GmbH hereby declares that the RolloTron flush-mounted belt winder classic complies with the Directives **2006/42/EC (Machinery directive)** and **2014/30/EU (EMC Directive)**.

www.homepilot-smarthome.com

The full text of the EU declaration of conformity is included with the product and is kept on file by the manufacturer.s.

DELTA DORE RADEMACHER GmbH
Buschkamp 7
46414 Rhede (Germany)

Warranty conditions

Information on the warranty conditions is enclosed with the product.



27. Accessories

Information about the accessories can be reached via our website.

**DELTA DORE
RADEMACHER GmbH**

Buschkamp 7
46414 Rhede (Germany)