



# Electronic Roller Shutter Belt Winder superrollo GW70

Translation of the Original Operating and Assembly Manual



Item No.

SR10070

With your purchase of a roller shutter belt winder **superrollo GW70**, you have chosen a quality product manufactured by RADEMACHER.  
Thank you for the trust you have placed in us.

<b>i</b>	<b>Dear Customer, .....</b>	<b>2</b>		
<b>1.</b>	<b>These instructions ... ..</b>	<b>4</b>		
1.1	Application of this manual .....	4		
<b>2.</b>	<b>Hazard symbols .....</b>	<b>4</b>		
2.1	Levels of danger and signal words .....	5		
2.2	Symbols and depictions used .....	5		
<b>3.</b>	<b>Overview superrollo GW70 .....</b>	<b>6</b>		
<b>4.</b>	<b>Functional description .....</b>	<b>7</b>		
4.1	Description of the safety functions .....	7		
<b>5.</b>	<b>Technical Specifications .....</b>	<b>8</b>		
5.1	Permissible roller shutter belts .....	9		
<b>6.</b>	<b>Safety instructions .....</b>	<b>10</b>		
6.1	Intended use .....	11		
6.2	Improper use .....	12		
6.3	Required expert knowledge of the installer .....	13		
<b>7.</b>	<b>Safety instructions for the installation .....</b>	<b>13</b>		
7.1	You will require the following tools .....	14		
<b>8.</b>	<b>Preparation for installation .....</b>	<b>15</b>		
<b>9.</b>	<b>Safety instructions for the electrical connection .....</b>	<b>18</b>		
9.1	Electrical connection .....	18		
<b>10.</b>	<b>Feed the belt through and screw on the GW70 ....</b>	<b>19</b>		
<b>11.</b>	<b>End point adjustment .....</b>	<b>21</b>		
<b>12.</b>	<b>Manual operation .....</b>	<b>23</b>		
<b>13.</b>	<b>Automatic timer; brief description .....</b>	<b>24</b>		
13.1	Configuring an opening and closing time .....	24		
13.2	Switching the automatic timer on / off .....	25		
<b>14.</b>	<b>Automatic solar function; brief description .....</b>	<b>26</b>		
14.1	Automatic solar function; setting sensitivity .....	28		
<b>15.</b>	<b>Erase all settings, reset .....</b>	<b>29</b>		
<b>16.</b>	<b>Removing the superrollo (e.g. in the event of a move) .....</b>	<b>30</b>		
<b>17.</b>	<b>Removing the belt in the event of unit failure .....</b>	<b>32</b>		
<b>18.</b>	<b>What to do if... ? .....</b>	<b>33</b>		
<b>19.</b>	<b>Information about maintenance and care of your equipment .....</b>	<b>36</b>		
<b>20.</b>	<b>CE Mark and EC Declaration of Conformity .....</b>	<b>37</b>		
<b>21.</b>	<b>Warranty conditions .....</b>	<b>38</b>		



## 1. These instructions ...

EN

...describes how to install, connect the electrical system and operate your roller shutter belt winder.



### 1.1 Application of this manual

- ◆ Before you begin, please read this manual through completely and follow all the safety instructions.
- ◆ This manual is a component of the product. Please store it in an easily accessible place.
- ◆ When passing the superrollo GW70 on to a third party, this manual must be passed on as well.
- ◆ Damage resulting from non-compliance with these instructions and safety instructions will void the guarantee. We shall assume no liability for any consequential damage.



## 2. Hazard symbols

The following hazard symbols are used in this instruction manual:



**Danger of fatal electric shock**



**Danger area / dangerous situation**

## 2.1 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.

## 2.2 Symbols and depictions used

Depiction	Description
1.	Steps to be taken
2.	
◆	Itemisation
① or a)	List



Itemisation

① or a)

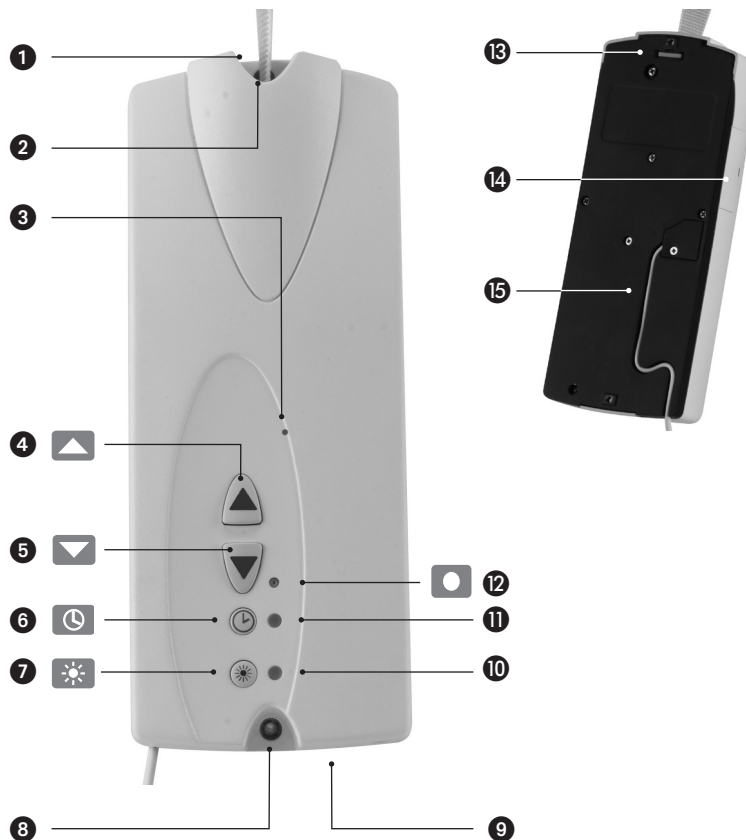
List



Please read the respective manual



further useful  
information



- 1 Belt entry
- 2 Fixing hole
- 3 Drive release
- 4 Up button
- 5 Down button
- 6 Clock button
- 7 Sun button
- 8 Fixing hole
- 9 Plug connection for sunlight-/ twilight sensor
- 10 Sun-LED
- 11 Automatic-LED
- 12 Set button
- 13 Plug with belt guide
- 14 Winding wheel compartment with cover
- 15 Electric cable in cable channel

#### **Check the details on the type plate**

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

The roller shutter belt winder is a roller shutter drive designed for use inside. The unit is installed as a surface mounted device. The power supply is provided via an connecting cable with mains plug

### Overview of functions

- ◆ Manual operation
- ◆ AUTO/MANU - switch
- ◆ Automatic mode, with a separate switching time for UP (▲) and DOWN (▼)
- ◆ Automatic solar function
- ◆ End point setting
- ◆ Permanent storage of the settings
- ◆ Deleting the data (Reset)

### 4.1 Description of the safety functions

#### Safety shut off

If the motor is turned on and the roller shutter belt doesn't move, the safety shut off will turn off the motor. The motor cannot be run in the original direction until the obstruction has been eliminated (pulled free) and the motor has been run in the opposite direction.

When the motor is overloaded due to technical defects, mechanics which run with difficulty or ice on the roller shutters, the motor will shut off. Eliminate the cause and if necessary correct the end position..

Technical specifications	
Supply voltage:	230 V ~ / 50 Hz
Nominal power:	approx. 70 W
Consumption:	Standby: approx. 1 W
Nominal torque:	approx. 8 Nm
Maximum tractive force:	30 Kg
Transient operation (KB):	4 minutes (maximum running time)
Overrun:	< 0.4 Revolutions
Protection class:	II (only for use in dry rooms)
Number of switching times:	2 (up and down)
Max. shutter surface area: (plastic roller shutters)	5 m <sup>2</sup>
Permissible ambient temperature:	approx. 40 °C
Automatic solar function setting range	2,000 to 20,000 Lux
Sound pressure level (LpA):	≤ 70 dB(A)

### Power failure

The automatic LED flashes in the event of a power failure.

The automatic LED lights up permanently again after pressing the UP (▲) or DOWN (▼) button.

### Data retention subsequently to power failure

The configured switching times are retained after a power failure. As soon as the power supply is restored, the opening and closing times will be executed again. However, the times will be offset by the duration of the power failure.

### Example:

- ◆ Power failure from 19:30 - 19:45 hours.
- ◆ The closing time was previously set to 19:30 hours.
- ◆ The roller shutters will close at 19:45 hours due to the duration of the power failure.



**ATTENTION!**

**The superrollo GW70 may be damaged if excessively long belts are used.**

- ◆ Only use belts of the permissible lengths
- ◆ Depending on the belt width, use one of the enclosed guides, see page 17.



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**

superollo: Item No.:		GW70 SR10070
Belt width:	Belt thickness	Maximum belt length
15 mm (Mini belt)	1.0 mm	4.0
	1.0 mm	5 m
23 mm (Standard belt)	1.3 mm	4 m
	1.5 mm	3.4 m

**Table 2: Permissible shutter surface area (m<sup>2</sup>)**

Roller shutter type:	Weight/m <sup>2</sup>	Permissible shutter surface area (m <sup>2</sup> )
Plastic roller shutters	(4.5 kg/m <sup>2</sup> )	Approx. 5 m <sup>2</sup>



**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 superrollo GW70 and the provided mains cable beforehand for damage.
- ◆ Should you discover damage to the equipment, please consult our customer service department (see page 40).



**Incorrect use leads to an increased risk of injury.**

- ◆ Train all personnel to use the superrollo GW70 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.

**When using a cable with mains power plug, the power outlet and mains plug must be easily accessible at all' times.**



**Exceeding the maximum permissible running time (KB) may overload and damage the roller shutter belt winder.**

- ◆ The maximum permissible running time for a cycle may not be exceeded when the equipment is in operation. For this reason, the roller shutter belt winder has an **automatic running time limit (KB)** of four minutes.
- ◆ If the running time limit is triggered, then the roller shutter belt winder must be left for at least 30 minutes to cool down. Full operational availability is re-established 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 be of 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.

### 6.1 Intended use

Only use the roller shutter belt winder 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 superollo.

- ◆ By doing so, you avoid risk of malfunctions and damage to your roller shutter belt winder.
- ◆ 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 roller shutter belt winder must be undertaken by authorised customer service personnel.

### Operating conditions

- ◆ Only operate the roller shutter belt winder in dry rooms.
- ◆ 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 roller shutter belt winder must be flat.

## 6.2 Improper use

Using the roller shutter belt winder for purposes other than previously mentioned is impermissible.



**There is a risk to life caused through short circuiting and electric shocks if the roller shutter belt winder is used outside.**

- ◆ Never install or operate the roller shutter belt winder outside.

The electrical connection, installation and commissioning of the roller shutter belt winder must only be carried out by a qualified electrician in accordance with the instructions in this manual.

## 7. Safety instructions for the installation



**Poor routing of the belt can cause the belt to fail and leads to unnecessary loads on the roller shutter belt winder.**

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

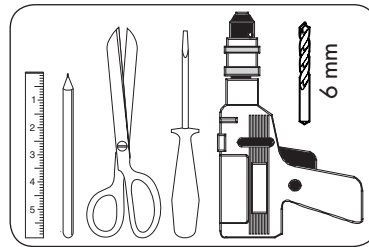


**Incorrect installation can lead to property damage.**

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

## 7.1 You will require the following tools

- ◆ Screwdriver
- ◆ Phillips screwdriver
- ◆ Scissors
- ◆ Carpenter's gauge or measuring tape
- ◆ Pen
- ◆ A drilling machine and a 6 mm masonry drill if there are no installation holes.

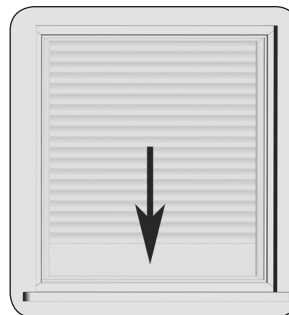


1. Take measurements. Check that the installation site has sufficient space for the roller shutter belt winder..
2. Remove the old belt winder, if you are carrying out a conversion to an existing roller shutter system.
- 2.1 Let the roller shutter move fully down, until the slats are completely closed.
- 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 of the old belt winder may 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. Use existing holes.

Hold the device on the wall and see if you can use existing holes, for example, those for the old belt winder. If not, you must mark where the new holes are needed and bore them.

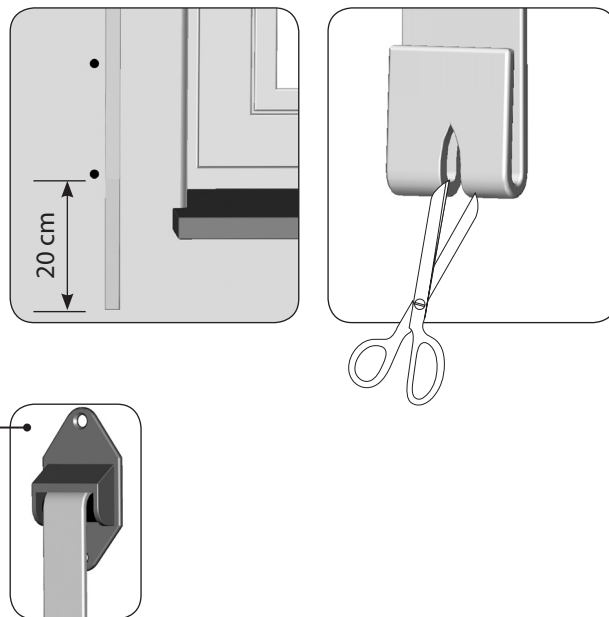
### 4. Prepare the belt.

#### 4.1 Cut the belt off approx. 20 cm under the mounting position.

#### 4.2 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.



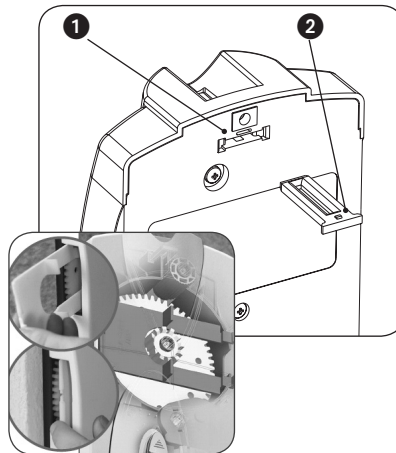


### 5. Exchange belt guide (only for mini belts).

❶ = Plug in the belt guide

❷ = Belt guide (dependant on the width of the belt)

- ◆ The manufacturer equips the GW70 with a guide for the standard belt width (23 mm). The guide makes it possible to precisely guide the band.
- ◆ To use mini belts (15 mm), you must exchange the belt guide with the enclosed guide. The guide can be exchanged on the back side of the GW70 with a screw driver.





## 9. Safety instructions for the electrical connection

EN



**There is a risk of fatal electric shock when touching electrical components.**

- ◆ Carry out all installation and connection work in an isolated and de-energised state.
- ◆ Disconnect all phases of the mains power supply cable and secure it to prevent any reconnection.
- ◆ Check that the system is de-energised.



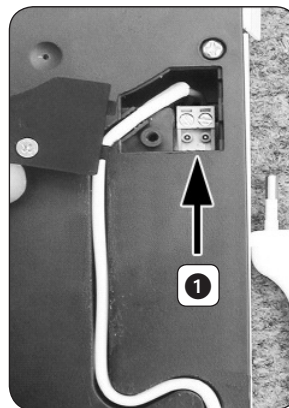
### 9.1 Electrical connection

1. Plug in ❶ the enclosed cable and screw until secure.
2. Finally, put the electrical cord in the cable channel and screw the enclosed cover until it is tight.



**A damaged connecting cable may cause a short circuit.**

- ◆ Ensure that the connecting cable is laid safely.
- ◆ The connecting cable must not be pinched or damaged when screwing on the roller shutter belt winder.



1. Open the winding wheel cover ❶.

**CAUTION!**


**There is a risk of injury from the turning winding wheel ❸.**

Never reach into the winding wheel compartment when the motor is running.

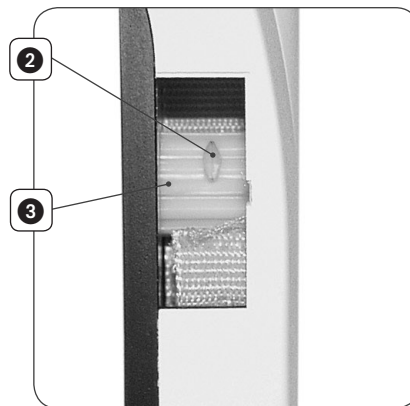
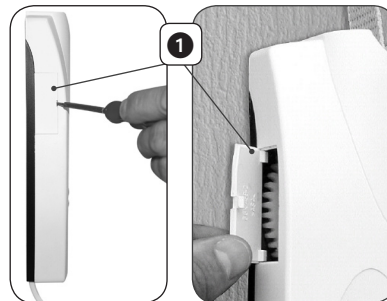
2. Check the position of the fixing hook ❷ and if necessary correct.

The fixing hook ❷ on the winding wheel ❸ must be easily reached. If not:

- 2.1 Insert the mains plug into the socket.

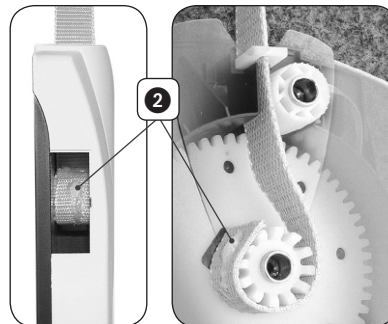
- 2.2  Press the [Up] button until the fixing hook ❷ in the winding wheel compartment is easy to reach.

- 2.3 Remove the mains plug again from the socket.



## 10. Feed the belt through and screw on the GW70

3. Push the belt into the GW70 and pull the slit over the fixing hook **2** from below.
4. Close the winding wheel cover **1** again.
5. Screw the GW70 on with the enclosed screws.
6. Finally insert the mains plug into the socket.



## Additional information about configuring the end points

The end points must be configured for the roller shutters to stop at the desired upper and lower positions.




It is imperative that both end points are configured, otherwise malfunctions may occur.



The set button is slightly recessed in the front panel. Please use a thin pen or similar tool in order to press the set button.





## Set the upper end point

1.  +   Simultaneously press and hold the buttons.

The roller shutter travels 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 reaches the desired position for the upper end point.  
The roller shutters stop and the upper end point is stored.

## ATTENTION!

**Setting the wrong upper end point may lead to overload or damage the superrollo GW70 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 shutter travels down.
4.  +  Release the buttons, as soon as the roller shutter reaches the desired position for the lower end point.  
The roller shutters stop 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.

After adjusting the end points, you can control the roller shutter belt winder with the two control buttons. Manual operation is possible in any of the modes and has priority over the programmed automatic functions.

1.  Open the roller shutters.  
By briefly pressing the button, the roller shutters will move to the upper end point.
2.  or  Stop the shutters in the interim.
3.  Close the roller shutters.  
By briefly pressing the button, the roller shutters will move to the lower end point.



**The same switching times every day of the week.**

You can set an opening and closing time for your roller shutter 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.

**13.1 Configuring an opening and closing time**
**Configure an opening time (▲)  
(e.g. at 8:00 AM)**

- |    |  |   |
|----|--|---|
| 1. |  +  | Simultaneously briefly press the buttons.   |
| 2. |     | The automatic LED flashes and the shutter moves to the upper end point.   |
| 3. |    | The automatic timer is now activated and the automatic LED is switched on continuously.<br><br>Your roller shutters will open automatically every day at 8:00 AM. |









## 13.1 Configuring an opening and closing time

EN


**Configure a closing time (▼)**  
(e.g. at 20:30 hours)

1.  +  Simultaneously briefly press the buttons.
2.   The automatic LED flashes and the shutter moves to the lower end point.  
Your roller shutters will close automatically every day at 20:30.



## 13.2 Switching the automatic timer on / off

If required, the automatic timer can be switched on or off at any time.

1.  Press and hold the clock button for approx. 1 second.

2. Pay attention to the automatic LED.



OFF

Automatic timer OFF



ON

Automatic timer ON



Flashing

After power failure, if at least one switching time was 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.

The automatic solar function enables brightness-dependent control of the roller shutters in combination with the light sensor. To do this, the light sensor is secured to the window pane with a suction cup and then plugged into the superrollo GW70.

### Automatic solar function

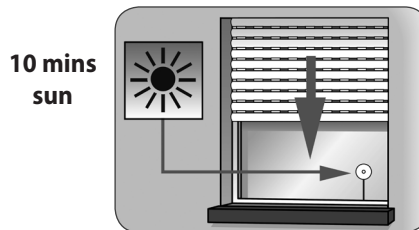
Automatic moving up and down of the roller shutter once a set limit is exceeded. The roller shutter end position can be freely selected by changing the light sensor position.

### Automatic lowering

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



Example installation



### 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 decreases below the set limit, it returns to the upper end point.

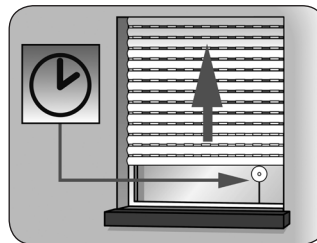


The above-mentioned delay times can be exceeded in the event of changing weather conditions..

**The automatic 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  
20 mins**



The automatic 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 auto-mated 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 GW70 device.

#### **Set the current brightness as set limit and switch on the automatic solar function.**

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

3. Pay attention to the sun LED.



OFF

Automatic solar function OFF



ON

Automatic solar function ON



Slowly flashing ...

...if the set limit is exceeded.

Rapid flashing

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









- 4.



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






In order to do so, press and hold the sun button for approx. 2 seconds.

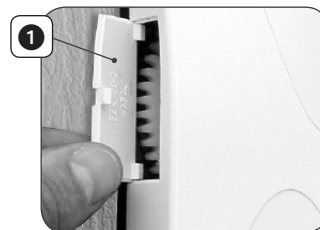
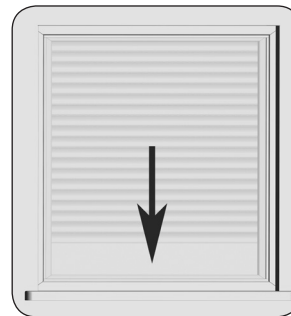
If necessary, you can erase all of your settings and return the roller shutter belt winder system to its original factory settings.

1.  +  +  Simultaneously press the buttons.
2.   The automatic LED flashes by way of confirmation.
3.  +  +  Release the buttons, subsequently all of the settings will be deleted.
4. Carry out the settings again as detailed from page 21 onwards.

## i 16. Removing the superrollo (e.g. in the event of a move)

EN

1.  +  +  Erase all settings.  
Simultaneously press and hold the buttons.
2.  Fully close the roller shutters.
3.  Continue to press and hold the down button.
4. In doing so, pull out the belt as far as possible from the top of the roller shutter belt winder.
5. Remove the cover plate from the lower assembly hole.
6. Subsequently release the fastening screws and remove the roller shutter belt winder from the wall.
7. Open the winding wheel cover ①.



## **i** 16. Removing the superrollo (e.g. in the event of a move)

EN

8. Check the position of the fastening hook ② and move the fastening hook into an easily accessible position, if necessary.

### **CAUTION!**

**There is a risk of injury from the turning winding wheel ③.**

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

9. Finally, remove the mains plug again from the socket.

10. Release the belt from the fastening hook and pull it out completely from the roller shutter belt winder.

In the event that the roller shutter belt winder 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.



**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.

2. Release the drive.

Push the enclosed pin into the drive (mechanism) and hold it firmly in place.



3. Pull the belt out of the roller shutter belt winder as far as possible.
4. Open the winding wheel cover.
5. Release the belt from the fastening hook and pull it out completely from the roller shutter belt winder.
6. Close the winding wheel cover.
7. Dismantle the roller shutter belt winder.



Fault	Possible cause / solution
... the superrollo GW70 indicates no functions?	Check the power supply incl. connecting cable and plug.
... the automatic LED flashes?	a) There may have been a power failure. Reconfigure the switching times, see page 24.
	b) After pressing the [ <b>Up</b> ]- or [ <b>Down</b> ] button the automatic LED lights again permanently.
... 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 21.
... the automatic LED is rapidly flashing and the superollo GW70 fails to operate in either direction?	The maximum running time of the drive has been exceeded, see page 8 / 11. The motor is too hot. The belt winder will be fully operational again in approx. 1 hour.
... 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.

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 or 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.
	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 superrollo GW70 fails to react properly either manually or automatically?	The superrollo GW70 is no longer ready for operation. Carry out a reset in accordance with the instructions on page 29 and test the superrollo GW70 using the default factory settings.

Fault	Possible cause / solution
... the superrollo GW70 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 [ <b>Down</b> ] 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.
	c) Re-configure the lower end point (see page 21) and ensure that the belt remains tight to the deflection roller. In doing so, the deflection roller must turn evenly.

### Maintenance

---



**A lack of maintenance can lead to personal injury through damage to your superrollo GW70 and the roller shutter system.**

- ◆ Please check the superrollo GW70 and all of your roller shutter components regularly for damage.
    - Regularly check the superrollo GW70 for correct functioning.
    - The blinds must not be damaged.
    - The belt may not be frayed.
    - The deflection roller on the roller shutter box must move freely.
    - The reel plate in the roller shutter box must be fastened and stable. It may become less stable when used over a longer period of time.
  - ◆ Damaged components should be exchanged by a specialist roller shutter firm.
- 

### Care

---

You can clean the superrollo GW70 using a damp cloth. Please do not use aggressive or abrasive cleaning agents.



RADEMACHER Geräte-Elektronik GmbH hereby declares that the electronic roller shutter belt winder **superrollo GW70** (item no. VK SR10070) complies with the directives **2006/42/EG (Machinery directive)** and **2014/30/EU (EMC directive)**.

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

**RADEMACHER Geräte-Elektronik GmbH**

Buschkamp 7

46414 Rhede (Germany)

RADEMACHER Geräte-Elektronik GmbH provides a 24-month warranty for new systems that have been installed in compliance with the installation instructions. All construction faults, material defects and manufacturing defects shall be covered by the warranty.

Your statutory warranty claims shall remain unaffected by this warranty.

**The following shall not be covered by the warranty:**

- ◆ Incorrect fitting or installation
- ◆ Non-observance of the installation and operating instructions
- ◆ Improper operation or wear and tear
- ◆ External influences, such as impacts, knocks or weathering
- ◆ Repairs and modifications by third parties, unauthorised persons
- ◆ Use of unsuitable accessories
- ◆ Damage caused by unacceptable excess voltages (e.g. lightning)
- ◆ Operational malfunctions caused by radio frequency overlapping and other such radio interference

A prerequisite for the warrant is that the new device must have been purchased from one of our approved specialist retailers. Proof of this must be provided by presenting a copy of the bill.

RADEMACHER Geräte-Elektronik GmbH will remedy any defects which occur within the warranty period free of charge either by repair or by replacement of the affected parts or by supply of a new replacement unit or one of the same value. There is no general extension of the original warranty period by delivery of a replacement or by repair as per the terms of the warranty.



**RADEMACHER Geräte-Elektronik GmbH**

Buschkamp 7

46414 Rhede (Germany)

[www.superrollo-online.de](http://www.superrollo-online.de)