

## Rademacher 16234519

# Rademacher RolloTron Comfort Automatic Shutter Belt Winder 16234519 User Manual

Model: **16234519** | Brand: **Rademacher**

## 1. INTRODUCTION

The Rademacher RolloTron Comfort is an electric automatic shutter belt winder designed for recessed installation. This device automates the opening and closing of roller shutters, enhancing convenience and energy efficiency in your home. It features integrated control, brightness-dependent operation via a light sensor, and programmable daily, weekly, and astronomical timer functions with a random mode. The unit includes a large, illuminated display for easy interaction and programming.

This manual provides essential information for the safe installation, operation, and maintenance of your RolloTron Comfort belt winder.

## 2. PRODUCT OVERVIEW AND FEATURES

The RolloTron Comfort combines robust mechanics with intelligent electronics to provide reliable and flexible control over your roller shutters. Key features include:

- **Automatic Control:** Daily, weekly, and astronomical timer programs with a random function for varied operation.
- **Brightness-Dependent Operation:** Integrated light sensor allows for automatic control based on ambient light conditions.
- **User-Friendly Display:** A large, illuminated display provides clear information and simplifies programming.
- **High Capacity:** Supports roller shutters with a maximum weight of 45 kg.
- **Standard Belt Compatibility:** Designed for a belt width of 23 mm.
- **Soft Start/Stop Function:** Ensures quiet and material-friendly operation, extending the lifespan of your roller shutter system.
- **Safety Functions:** Includes obstacle detection and a key lock feature.
- **Data Retention:** Permanent data backup ensures settings are not lost during power outages.





Figure 2.1: Front view of the RolloTron Comfort with its illuminated display and control buttons.

### 3. SAFETY INSTRUCTIONS

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Please read these safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Safety:** Installation must be performed by a qualified electrician or a person with appropriate electrical knowledge. Disconnect power to the circuit before installation or maintenance.
- **Intended Use:** This device is designed exclusively for controlling roller shutters with a compatible belt system. Do not use for other purposes.
- **Children and Pets:** Keep children and pets away from the roller shutter during operation. The device contains moving parts.
- **Environmental Conditions:** Do not expose the device to moisture, extreme temperatures, or direct sunlight.
- **Maintenance:** Only perform maintenance as described in this manual. Do not attempt to open or repair the device yourself.

### 4. INSTALLATION

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The RolloTron Comfort is designed for recessed installation. Follow these steps carefully:

1. **Prepare the Installation Site:** Ensure the power supply to the installation area is switched off at the main circuit breaker. Remove any existing manual belt winder.
2. **Attach the Belt:** Carefully feed the roller shutter belt into the RolloTron Comfort unit. Secure the belt to the winder mechanism as shown in Figure 4.1. Ensure the belt is properly tensioned and aligned.

# GRACE A LA FONCTION DE DEMARRAGE ET D'ARRET EN DOUCEUR.

l'enrouleur de sangle RolloTron premium fonctionne de manière particulièrement silencieuse et ménage le matériel. L'enrouleur de sangle électrique dispose en outre d'une détection d'obstacles et d'un verrouillage des touches. Même en cas de panne de courant, vous pouvez donc avoir l'esprit tranquille : notre enrouleur de sangle électrique est équipé d'une sauvegarde permanente des données.



Figure 4.1: Installation steps for the RolloTron Comfort. From left to right: 1. Attaching the belt to the winder mechanism. 2. Inserting the winder into the wall box. 3. Securing the winder in place. 4. Plugging in the power cord.

- 2. Insert into Wall Box:** Carefully insert the RolloTron Comfort unit into the prepared wall box. Ensure all cables are properly routed and not pinched.
- 3. Secure the Unit:** Fasten the unit securely within the wall box using the provided screws. Ensure it is flush with the wall surface.
- 4. Connect Power:** Once the unit is securely mounted, connect the power cord to a suitable 230V power outlet. Restore power to the circuit.

RolloTron Rademacher		AUSSTATTUNGSMERKMALE																		
RolloTron Gurtwickler												RolloTron Schwenkwickler								
Typ	Basis >>>			Standard >>>			Comfort >>>						Standard >>>		Comfort >>>					
	RolloTron Basis 1100	RolloTron Basis 1200	RolloTron Standard 1300	RolloTron Standard 1340 (MiniGurt)	RolloTron Standard Plus 1305	RolloTron Standard DuoFern 1140	RolloTron Basis DuoFern 1140 (MiniGurt)	RolloTron Basis DuoFern Plus 1405	RolloTron Comfort 1700	RolloTron Comfort 1740 (MiniGurt)	RolloTron Comfort Plus 1705	RolloTron Comfort DuoFern 1800	RolloTron Basis DuoFern 1840 (MiniGurt)	RolloTron Basis DuoFern Plus 1805	RolloTron Schwenkwickler Standard 1510	RolloTron Schwenkwickler Standard (MiniGurt) 1550	RolloTron Schwenkwickler Standard DuoFern 2510	RolloTron Schwenkwickler Standard DuoFern (MiniGurt) 2550	RolloTron Schwenkwickler Comfort 1500	RolloTron Schwenkwickler Comfort (MiniGurt) 1540
Artikelnummer	1823 45 19	1823 45 11	1423 45 19	1415 45 19	1423 60 19	1423 45 11	1415 45 11	1423 60 11	1623 45 19	1615 45 19	1623 60 19	1623 45 11	1615 45 11	1623 60 11	1423 30 19	1415 30 19	1423 30 11	1415 30 11	1623 30 19	1615 30 19
Auto / Manu	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Memoryfunktion	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tagesprogramm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Wochenprogramm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Zufallsfunktion	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Astroprogramm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Sonnen- / Dämmerungs- sensormatik möglich	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Gurtbandbreite	23 mm	23 mm	23 mm	15 mm	23 mm	23 mm	15 mm	23 mm	23 mm	15 mm	23 mm	23 mm	15 mm	23 mm	23 mm	15 mm	23 mm	15 mm	23 mm	15 mm
<b>Wickelfähigkeit</b>																				
1,0 mm Gurtstärke	7,6 m	7,6 m	7,6 m	7,6 m	15,0 m	7,6 m	7,6 m	15,0 m	7,6 m	7,6 m	15,0 m	7,6 m	7,6 m	15,0 m	5,0 m	5,0 m	5,0 m	5,0 m	5,0 m	5,0 m
1,3 mm Gurtstärke	6,2 m	6,2 m	6,2 m	6,2 m	12,0 m	6,2 m	6,2 m	12,0 m	6,2 m	6,2 m	12,0 m	6,2 m	6,2 m	12,0 m	4,0 m	4,0 m	4,0 m	4,0 m	4,0 m	4,0 m
<b>Zulässige Rolladenfläche (m²). (Die Angaben sind Richtwerte. Die rolladenübliche Reibung ist berücksichtigt.)</b>																				
Leichte Alu- und Kunststoffrolläden	ca. 6 m²	ca. 6 m²	ca. 6 m²	ca. 10 m²	ca. 6 m²	ca. 6 m²	ca. 10 m²	ca. 6 m²	ca. 6 m²	ca. 10 m²	ca. 6 m²	ca. 6 m²	ca. 10 m²							
Schwere Alu- und Holzrolläden	ca. 3 m²	ca. 3 m²	ca. 3 m²	ca. 3 m²	ca. 3 m²	ca. 3 m²	ca. 3 m²	ca. 3 m²	ca. 3 m²	ca. 3 m²	ca. 3 m²	ca. 3 m²	ca. 3 m²							
Maximale Zugleistung	45 kg	45 kg	45 kg	60 kg	45 kg	45 kg	60 kg	45 kg	45 kg	60 kg	45 kg	45 kg	60 kg							
<b>Technische Daten</b>																				
Versorgungsspannung	230 V / 50 Hz												230 V / 50 Hz							
Nennleistung	ca. 70 W												ca. 70 W							
Nenn Drehmoment	ca. 10 Nm												ca. 8 Nm							
Kurzzeitbetrieb	4 min												4 min							
Schutzklasse	II												II (nur für trockene Räume)							
Zulässige Umgebungstemperatur	0 - 40 °C												0 - 40 °C							
Sendefrequenz	434,5 MHz												434,5 MHz							
DuoFern-Funkreichweite in Gebäuden	ca. 20 m (abh. von der Bausubstanz)												ca. 20 m (abhängig von der Bausubstanz)							
Stand-by-Verbrauch	< 0,31 W	< 0,7 W	< 0,35 W	< 0,35 W	< 0,6 W	< 0,6 W	< 0,35 W	< 0,35 W	< 0,35 W	< 0,35 W	< 0,6 W	< 0,35 W	< 0,35 W	0,5 W	0,5 W	0,7 W	0,7 W	0,5 W	0,5 W	

Figure 4.2: Connecting the power cord after installation.

## 5. OPERATION

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The RolloTron Comfort features intuitive controls for manual and automatic operation.

### 5.1 Manual Control

- **Up Button (▲):** Press to raise the roller shutter.
- **Down Button (▼):** Press to lower the roller shutter.
- **Stop Button (■):** Press to stop the roller shutter at any desired position.

### 5.2 Programming Buttons

- **'M' Button:** Used to access the menu for programming settings.
- **'OK' Button:** Confirms selections and settings within the menu.
- **'+' and '-' Buttons:** Used to navigate through menu options or adjust values.

## 6. PROGRAMMING

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The RolloTron Comfort offers various programming options to automate your roller shutters. Detailed programming instructions are typically found in the comprehensive manufacturer's manual, which can often be downloaded from the Rademacher website.

### 6.1 Setting Current Time and Date

Before setting any automatic programs, ensure the current time and date are correctly set on the device. Refer to the 'M' button and '+/-' buttons for navigation and adjustment.

### 6.2 Timer Programs

- **Daily Program:** Set specific times for the roller shutter to open and close each day.
- **Weekly Program:** Customize opening and closing times for individual days of the week.
- **Astro Program:** Utilizes sunrise and sunset times (based on your geographical location settings) for automatic operation.
- **Random Function:** Adds slight variations to programmed times to simulate presence.

### 6.3 Light Sensor Control

The integrated light sensor allows the roller shutter to react to ambient brightness. You can configure thresholds for opening or closing based on light levels. This feature can be activated or deactivated through the programming menu.

## 7. MAINTENANCE

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The Rademacher RolloTron Comfort is designed for minimal maintenance. Follow these guidelines to ensure optimal performance:

- **Cleaning:** Clean the surface of the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Belt Inspection:** Periodically check the roller shutter belt for any signs of wear, fraying, or damage. Replace damaged belts immediately to prevent malfunction.
- **No Internal Servicing:** The device contains no user-serviceable parts. Do not attempt to open the casing.

## 8. TROUBLESHOOTING

If you encounter issues with your RolloTron Comfort, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not respond	No power supply	Check power connection and circuit breaker.
Roller shutter does not move	Belt jammed or damaged; Obstacle detected	Inspect the belt and roller shutter path for obstructions. Check belt condition.
Automatic program not working	Incorrect time/date; Program not activated; Light sensor interference	Verify time and date settings. Ensure the desired program is active. Check light sensor for obstructions.
Display is blank	No power; Display fault	Check power supply. If power is present, contact customer support.

If the problem persists after attempting these solutions, please contact Rademacher customer support.

## 9. TECHNICAL SPECIFICATIONS

Specification	Value
Model Number	16234519
Operating Voltage	230 V
Max. Shutter Weight	45 kg
Belt Width	23 mm
Dimensions (L x W x H)	23.5 x 7.01 x 18.49 cm (9.25 x 2.76 x 7.28 inches)
Weight	997.9 grams (approx. 2.2 lbs)
Operating Mode	ON-NONE-OFF
Contact Type	Normally Closed
Connector Type	Plug-in
Material	Aluminium
Operating Temperature	+0°C to +40°C
Power Reserve (in case of power failure)	approx. 8 hours
Connection Cable Length	1.5 m

## 10. WARRANTY AND SUPPORT

For warranty information, technical support, or to obtain a complete version of the instruction manual, please visit the official Rademacher website or contact their customer service department. Keep your proof of

purchase for warranty claims.

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