

eWickler eW920

eWickler Comfort Belt Winder eW920 Instruction Manual

Model: eW920

1. INTRODUCTION

The eWickler eW920 is an automatic belt winder designed for the convenient and safe operation of roller shutters. It offers a cost-effective and barrier-free solution for automating the raising and lowering of plastic, aluminum, and wooden shutters. This device is ideal for retrofitting and renovating existing roller shutter systems, providing enhanced comfort and security through automated functions.

2. SAFETY INSTRUCTIONS

- Read all instructions carefully before installation and operation.
- Ensure the power supply is disconnected before performing any installation or maintenance work.
- This device operates on 230V AC. Installation should only be performed by qualified personnel or with extreme caution.
- Do not expose the device to moisture or extreme temperatures.
- Keep children and pets away from the roller shutter during operation.
- Do not attempt to open or repair the device yourself. Contact qualified service personnel.

3. PACKAGE CONTENTS

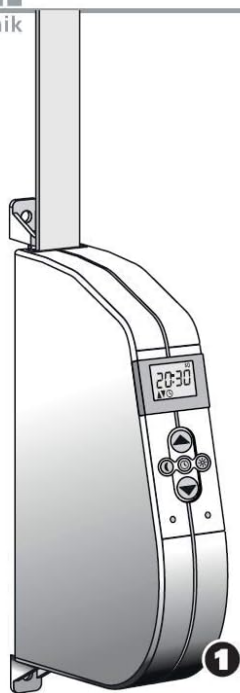
Please check that all items are present in the package:

1. 1x eWickler Comfort Belt Winder (eW920)
2. 1x Connection cable with Euro plug and small appliance socket (1.5m)
3. 2x Mounting screws (4x40mm) with S6 dowels
4. 2x Mounting screws (4.2x19mm)
5. 1x Winding wheel cover

6. 1x Release clip (located inside the winding wheel cover)

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LIEFERUMFANG



- 1 Schwenkwickler
- 2 Anschlusskabel mit Europastecker und Kleingerätedose Typ D2 (1,5m)
- 3 2x Montage-Schrauben (4x40mm) mit Dübel S6
2x Montage-Schrauben (4,2x19mm)
- 4 Wickelradabdeckung
- 5 Entriegelungsklammer (befindet sich innen in der Wickelradabdeckung)

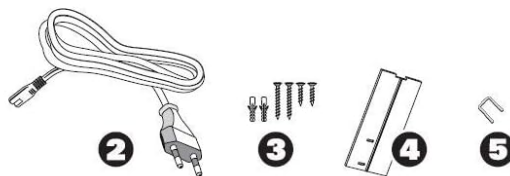


Figure 3.1: Illustration of the eWickler eW920 package contents, including the winder unit, power cable, various mounting screws, the winding wheel cover, and a release clip.

4. PRODUCT OVERVIEW

The eWickler eW920 features an easy-to-read LC display and intuitive controls for setting times and functions. Its compact design allows for surface mounting next to your window frame. The control panel includes buttons for manual up/down operation, time settings, and programming.



Figure 4.1: Front view of the eWickler eW920, showing the digital display and control buttons.

4.1 Dimensions

The device dimensions are approximately:

Height: 233 mm

Depth: 158 mm

Width: 37 mm

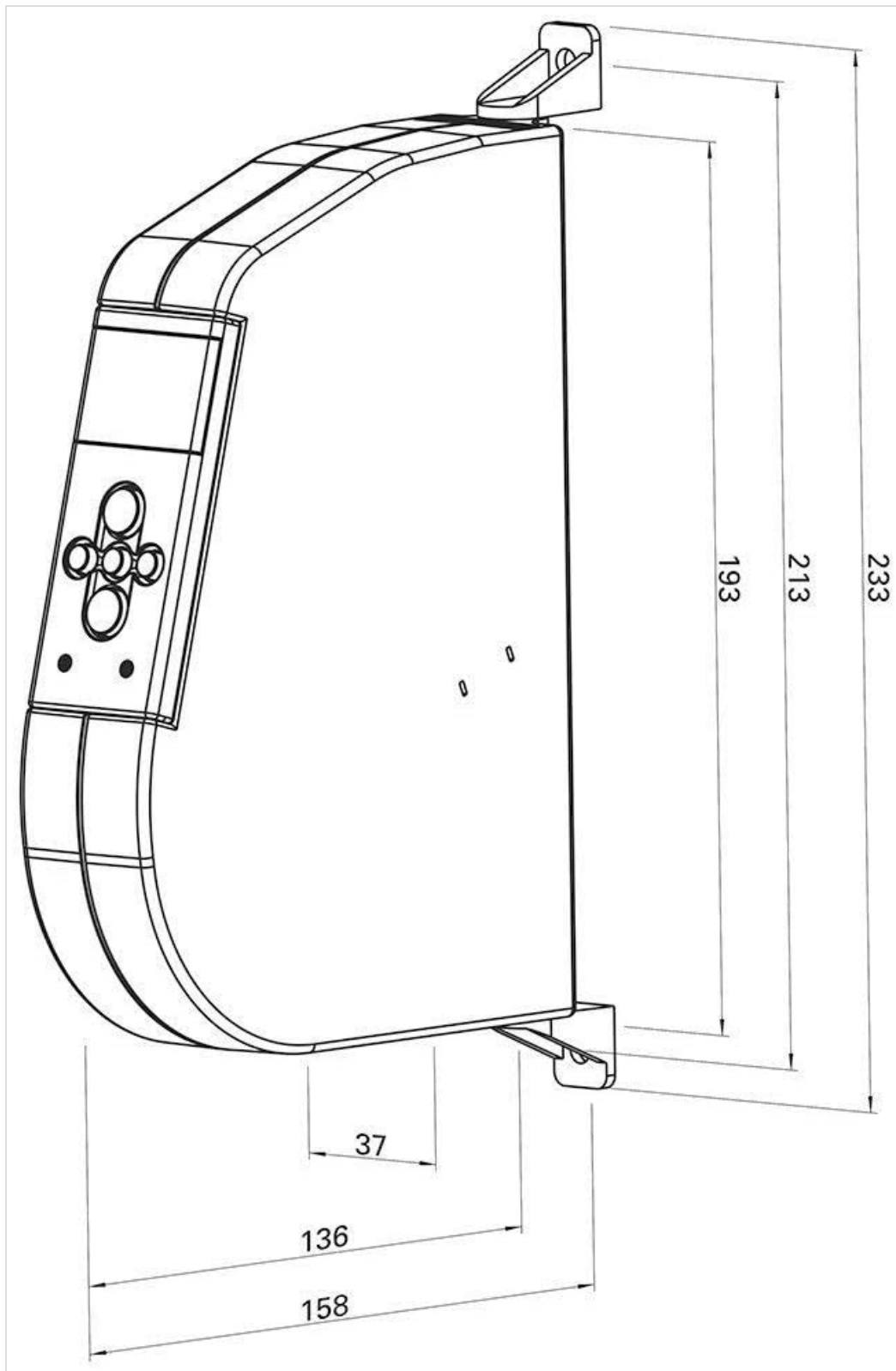


Figure 4.2: Technical drawing illustrating the precise dimensions of the eWickler eW920 belt winder.

5. SETUP AND INSTALLATION

The eWickler eW920 is designed for quick, clean, and easy surface mounting. The installation process typically

involves:

1. **Preparation:** Ensure the existing roller shutter belt is accessible and the area for mounting is clear. Disconnect power if working near electrical outlets.
2. **Mounting the Winder:** Secure the eWickler unit to the wall next to the window frame using the provided mounting screws and dowels. Ensure it is level and firmly attached.
3. **Belt Installation:** Carefully feed the roller shutter belt into the winder mechanism. Follow the specific instructions in the detailed manual for correct belt tensioning and attachment to the winding wheel.
4. **Power Connection:** Connect the power cable to the device and then to a 230V power outlet.
5. **Initial Setup:** Perform the initial setup as guided by the device's display, which typically involves setting the upper and lower end positions of the roller shutter.



Figure 5.1: Step-by-step illustration of the eWickler eW920 installation process, from preparing the mounting area to securing the device and connecting the belt.

6. OPERATION

6.1 Manual Control

Use the dedicated up (▲) and down (▼) arrow buttons on the control panel to manually raise or lower the roller shutter. Press and hold the button for continuous movement, or press briefly for incremental adjustments.

6.2 Automatic Functions

The eWickler eW920 supports various automatic functions, including time-controlled operation and optional sunrise/sunset control. These functions are configured through the programming menu.

7. PROGRAMMING

The eWickler eW920 offers extensive programming options for personalized comfort and security:

- **Adjustable Switching Times:** Set individual times for automatic raising and lowering of your roller shutters.
- **Automatic Summer/Winter Time Adjustment:** The device automatically adjusts for daylight saving changes.
- **Soft Start and Soft Stop:** Individually adjustable soft start and soft stop functions ensure gentle and quiet operation, reducing wear on the shutter and motor.
- **Power Reserve:** In the event of a power failure, the device maintains its settings and time for approximately 20 hours thanks to an integrated power reserve.
- **Dish Protection / Overload Shutdown:** An integrated safety feature protects the motor and shutter from damage due to obstructions or excessive load.

- **Sunrise/Sunset Control (Optional):** With a separately available sun and twilight sensor, the device can automatically raise or lower shutters based on natural light conditions, enhancing security by simulating occupancy.

Refer to the detailed programming section in the complete user manual for step-by-step instructions on setting these functions.

8. MAINTENANCE

The eWickler eW920 requires minimal maintenance to ensure long-lasting performance:

- **Cleaning:** Wipe the device's exterior with a soft, dry cloth. Do not use abrasive cleaners, solvents, or excessive moisture.
- **Belt Inspection:** Periodically check the roller shutter belt for any signs of wear, fraying, or damage. Replace the belt if necessary.
- **Obstruction Check:** Ensure the path of the roller shutter is clear of any obstructions that could impede its movement.

9. TROUBLESHOOTING

If you encounter issues with your eWickler eW920, consider the following common solutions:

- **Device Not Responding:** Check if the power cable is securely plugged into both the device and the wall outlet. Verify that the power outlet is functional.
- **Shutter Not Moving:** Ensure the roller shutter belt is correctly installed and not jammed. Check for any physical obstructions in the shutter's path. The device's overload protection may have activated.
- **Incorrect Times:** If automatic times are not functioning as expected, re-enter the programming menu to verify the settings and ensure the current time is correctly set.
- **Display Issues:** If the display is blank or showing errors, try disconnecting the power for a few minutes and then reconnecting it.

For persistent issues or error codes not listed, please consult the comprehensive troubleshooting guide in the full user manual or contact customer support.

10. TECHNICAL SPECIFICATIONS

Below are the key technical specifications for the eWickler Comfort Belt Winder eW920:

Specification	Value
Supply Voltage	230 V; 50 Hz
Nominal Power Max	120 W
Standby Consumption	<= 0.2 watts
Rated Torque	11 Nm
Rated Speed	32 U/min

Specification	Value
Maximum Pull	45 kg
Strap Width	23 mm
Winding Capacity	6.3 m
Max. Roller Shutter Surface Area (5 kg/m ²)	approx. 6 m ²
Max. Roller Shutter Surface Area (10 kg/m ²)	approx. 3 m ²
Short Period Of Time	4 minutes
Protection Class	II
Power Reserve (power failure)	Approx. 20 hours
Case Size (H x D x W)	233 x 158 x 37 mm
Operating Temperature	+4°C to +40°C



eWICKLER
Comfort eW920, eW920-M
Elektronischer Gurtwickler

- individuell einstellbare Schaltzeiten zum Heben und Senken
- automatische Sommer-/Winterzeitumstellung
- Installationsassistent zur einfachen Inbetriebnahme
- großes, gut ablesbares LC-Display mit individuell einstellbarer Beleuchtung
- individuelle Sonnen- und Dämmerungssteuerung mit S/D-Sensor möglich
- schonender Softstart und Softstopp, auch in Zwischenpositionen
- elektronische Laufzeit- und Lastüberwachung zum Schutz des Motors und Schutz bei Störungen am Rollladen
- Auflaufschutz/Überlastabschaltung
- 20 h Gangreserve

ARTIKEL-NR.	TYP	ARTIKEL-BEZEICHNUNG
1001-000029	eW920	eWICKLER Comfort
1001-000031	eW920-M	eWICKLER Comfort – mini

TECHNISCHE DATEN	
Verwendung	Aufputz
Versorgungsspannung	230 V – 50 Hz
Nennleistung (maximal)	120 W
Standby Verbrauch	≤ 0,2 W
Nenn Drehmoment	11 Nm
Nenn Drehzahl	32 U/min, geregelt
Zugleistung (maximal)	45 kg
Gurtbandbreite	23 mm (eW920) / 15 mm (eW920-M)
Wickelkapazität	6,3 m (1 mm Gurtbandstärke)
zulässige Rollladenfläche	ca. 6 qm bei 5 kg/qm, ca. 3 qm bei 10 kg/qm
Kurzzeitbetrieb	4 Minuten
Nachlaufweg	< 0,2 U
Schutzklasse	II
Schutzart	IP20
Gangreserve (bei Netzausfall)	ca. 20 h
Abmessungen Gehäuse	193 x 136 x 37 (H/T/B)
Befestigungslochabstand	213 mm
Temperaturbereich	+4 °C bis +40 °C

eWICKLER
AUFPUTZ
Comfort eW920, eW920-M

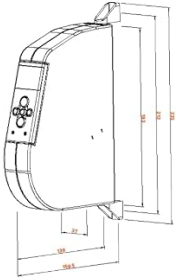


Figure 10.1: Original technical data sheet for the eWickler Comfort eW920, detailing various specifications and features.

11. WARRANTY AND SUPPORT

The eWickler Comfort Belt Winder eW920 is manufactured by WIR Elektronik. For warranty information, specific terms and conditions, or technical support, please refer to the documentation provided with your purchase or contact your retailer. Keep your proof of purchase for any warranty claims.

Manufacturer: WIR Elektronik

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question