

User manual

Roller shutters

OB920 (Enext®)

HAROL

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Meaning of the symbols:

ATTENTION: *risc to damage the roller shutter or other objects, or risc for persons (user or others) if the necessary precautions haven't been taken.*

1. INTRODUCTION

This guide includes a number of points the user should respect in order to gain maximum benefits from our products. Read this guide carefully before using the product. Make sure this manual is read by every person allowed to operate this roller shutter.

With appropriate use and maintenance you increase the life of the product. Strict compliance with these tips is required for the HAROL® guarantee to be applicable.

The supplier is not accountable for damages caused by incorrect use.

Contact your supplier in case of doubt.

A HAROL® roller shutter has all the properties required for good and long-term use. When appropriately used and good maintenance is provided we guarantee a long life for the product.

2. INSTALLATION

- *Always have installation, maintenance and repair work be performed by a qualified and experienced installer.*
- *Connections must be made by the authorised installer (electrical assembly and connection diagrams are to be correctly adhered to and the electrical accessories used must conform with the applicable standards and requirements).*
- *Our products must be installed so that all parts remain accessible at all times for maintenance and eventual repairs. If this is not the case, Harol cannot be held responsible for any additional costs (f.e. demolition activities, repairs to facades and interior walls) as a result of this.*



3. APPROPRIATE USE

- Avoid abrupt movements while operating the roller-shutter.
- With ribbon or cord operation pull the ribbon or cords squarely to the winder and ensure that the ribbon or cord does not rub against the side of the entrance of the winder.
- With rod or crank operation operate the roller-shutter from a position square to the device. Never use force if you feel resistance. Never try to force the mechanism.



- With electrical operation stop the roller shutter if you hear abnormal noises and inform your installer.
- With automatic operation (central operation, remote operation, etc.) and other electrical components, separate instructions are provided: read the concerning operating instructions carefully.
- Never place objects underneath the roller shutter.



- Never allow unauthorised persons (especially children) to operate the roller shutter. They could be exposed to hazards while operating the product.
Keep remote control units out of the reach of children.
- Never climb a roller shutter.
- If work has to be performed at the building, the voltage supply of the shutter has to be disconnected.
- Take care to always be aware of the status (possible obstacles, etc.) of the shutter when operating it.
- Keep a distance from a moving roller shutter - a moving roller shutter might cause danger and/or injuries.
- Unexpert fitting, bad maintenance or wrong operation might be the cause of danger and/or injuries.

4. WEATHER CONDITIONS

- If the roller-shutter is continuously exposed to all weather conditions there is a significant chance of soiling. This can affect the quality of the roller-shutter curtain.
- Rain and moisture have no influence on the quality of the roller-shutter.



- Rolling up the roller-shutter when there is ice or snow on the roller-shutter curtain can cause serious damage to the roller-shutter.
Do not operate frozen roller shutters. Wait until the shutter curtain is completely defrosted.
Do not activate motor operation. In case of snow or frost always switch the automatic relay to manual operation. Eventual damage caused by snow or glazed frost is a case of force majeure.
- Roller-shutter curtains exposed to hail storms can be seriously damaged.
- An open window can result in the blowing out of the curtain, particularly with significant air circulation.
- Not preventively rolling up our products in gusts and storms or exposing roller-shutters in a half-open position to wind forces in excess of 70 kph can cause serious damage to the roller-shutter curtain or the windows.

5. MAINTENANCE AND REPAIR:

5.1 ROLLER SHUTTER CURTAINS AND PROFILES

- *Serious soiling and poor maintenance of the roller-shutter curtain are the cause of poor hinging, poor rolling up and the creaking of the roller-shutter curtains.*
- *The profiles must be regularly cleaned with warm water and a cleaning product. Never use abrasive sponges or other abrasive cleaning tools.*



5.2 REPAIR

- *Always have repair work be performed by a qualified and experienced installer. Maintenance of operational mechanisms, electrical parts, attachments, etc... may be performed by qualified personnel only. Don not repair or replace electrical parts yourself! In case of trouble or failures immediately consult your specialist.*

5.3 DISMOUNTING AND REMOVAL

- *Dismounting and removal must be carried out by qualified and experienced installers.*
- *Ensure that the dismantled roller shutter is removed in accordance with local environmental regulations.*

6. GENERAL REMARKS

- *The profiles are provided with a surface treatement in accordance with specific standards. The industrial process can cause minor colour deviations with respect to the colour samples. Slight colour differences can also occur between the components and profiles.*
- *If the local air composition is aggressive due to industrial or agrarian activity, if the salt content is greater than normal circomstances, or if there is frequent salt or sand misting this can affect the surface of the components and profiles, or cause corrosion.*
- *In the course of time small scratches can appear due to rolling up the roller-shutter slats. These scratches have no influence whatsoever on the working of the product.*
- *No rights can be derived from this guide. We reserve the right to make technical modifications without written notice.*
- *Store this guide in a safe place. If you sell or dispose of this roller shutter product to another person, this guide must be given to the new owner.*

SERVICE-LOG BOOK

This proof book contains technical references and records of installation, maintenance, repairs and alterations carried out and must be made available for any inspections by authorised bodies.

Customer: _____ (name, address and reference person)

Location: _____ ("idem" or address)

Description of the shutter: _____ (model, type)

Identification number: _____ (clear reference of the shutter)

Type of slat: _____ (type)

Power supply: _____ (voltage and input)

Type of operation: _____ (hold-to-run, impulse, automatic)

Installer: _____ (name, address, telephone number)

Date of installation: _____ (day, month, year)

List of components installed (drive unit, control and safety devices)

The technical features and performances of the components listed below are documented in the relevant installation manuals and/or on the label on the component itself.

Motor: _____ (type, serial number)

Relay box: _____ (type, serial number)

Automatic: _____ (type, serial number)

Switch: _____ (type, serial number)

Remote control: _____ (type, serial number)

Other domotics: _____ (type, serial number)

Photocells: _____ (type, serial number)

Safety devices: _____

Warning of residual risks and of foreseeable improper use

Inform with signs attached to the risk points of the product and/or with written instructions to be given and explained to the user of the shutter, or whoever is responsible, about the existing risks and the foreseeable improper use.

Date	Description of work (Installation, start-up, adjustments, check on safety devices, repairs, alterations, ...)	Installer's signature	Customer's signature

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EC Declaration of Conformity

Manufacturer:

Alulux GmbH Messingstrasse 16
33145 Verl, Germany



Product Information

New building and renovation roller shutters for use outdoors.

Electrical operation via motor meets the terms of Machinery Directive 2006/42/EC.

Noise emission level: < 70 dB(A)

Type designation

Enext® Alulux Roller Shutters

Applicable harmonised standards

– DIN EN 13659:2009

Outdoor shutters - Performance requirements including safety

– DIN EN 60335-2-97

Household and similar electrical appliances - Safety, Part 2-97: Particular requirements for rolling shutters, awnings, blinds and similar equipment

Adherence to the protection targets of Low Voltage Directive 2014/35/EU have been assured in accordance with Appendix 1 No. 1.5.1. of Directive 2006/42/EC.

Verl, 20/04/2016
Place, Date

Schaller signature
CEO

Humpe signature

Authorised Documentation Representative

Declaration of Performance

Type: E35, E37, E400, E52, T35, T37, T400, T52, RX35, RX37

Designated use in accordance with
DIN EN 13659:2009 - manually operated new building and renovation roller shutters for use outdoors
Alulux GmbH, Messingstrasse 16, 33415 Verl, Germany
Authorised documentation representative:
Humpe Certification carried out in accordance with evaluation system 4
of Construction Products Regulation 305/2011/EC by the manufacturer.
When used as intended the product meets the main properties specified in the following standards.

Declared performance

Main Features / Standard Performance
EN 13659:2009

Resistance to wind. The wind class tables can be found at the manufacturer.

The performance of this product in accordance with the figures stated above meets the declared level of performance. The manufacturer alone is responsible for producing this Declaration of Performance in accordance with the address.

Verl, 20/04/2016
Place, Date

Schaller signature
CEO

Installer : _____
 Address : _____

 Tel. : _____

Order no : _____
 Client : _____
 Address : _____

 Tel. : _____
 Date : _____

FORM OF TRANSFER Confirmation of transfer

The roller shutter has been mounted without visible defects, and according to the agreements made with the seller and/or the installer*.

◇ Yes

◇ No

If not, what are the remarks : _____

** If the client is content with the formal control and brings the roller shutter into use, he/she is supposed to have accepted it.*

The client has been familiarized with the operation of the product, according to the prescriptions by means of the manual for the consumer.

◇ Yes

◇ No

The following documents are transferred to the user :

Manual for the consumer :

◇ Yes

◇ No

Assembly instructions :

◇ Yes

◇ No

Manual of the manufacturer of motors, switches and electronical control :

◇ Yes

◇ No

Others : _____

Signature installer

Signature client

Installer : _____

Order no : _____

Address : _____

Client : _____

Address : _____

Tel. : _____

Tel. : _____

Date : _____

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Confirmation of transfer

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Others : _____

Signature installer

Signature client



YOUR PARTNER FOR SHUTTERS , SERVICE AND MAINTENANCE: