

# REI 120 SINGLE-LEAF SLIDING DOOR

LOGISTIC  
SOLUTIONS



*MOD. SUB*

**ASSEMBLY, USE AND  
MAINTENANCE MANUAL**



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All drawings and diagrams besides technical, mechanical and electrical characteristics described in this manual can modified at any time. We shall provide updating the manual as soon as possible.

Kopron S.p.A.

## INTRODUCTION

This manual is a guide for installers, users and maintenance personnel as well as containing information useful for preventing accidents during the life cycle of the equipment from installation to dismantling.

In case instructions are not clear or should particular problems arise and not mentioned herein, please apply to our service department.

Do not take personal initiatives for interventions if instructions are not fully understood.

**Buyer and personnel involved in installation and operation should read this manual of assembly, use and maintenance before using the equipment.**

We suggest to keep a copy of this manual handy in a place where it can be easily consulted.

Assembly and installation must be carried out by qualified personnel adequately equipped to operate in absolute safety conditions according to standards in force.

Preventive maintenance must be planned and carried out only by specialized and skilled personnel.

To have another copy of this manual you may contact our service department at the following address and numbers:

 **KOPRON** S.p.A.

via Primo Maggio s.n.

20064 Gorgonzola – (MI)

 +39-02 – 921 52 751

 +39-02 – 921 52 923

**KOPRON S.p.A.** have the right to update or improve the manual without affecting the validity of this version.

Some important points have been highlighted by using symbols explained on next page.

## INTRODUCTION

### SYMBOLS

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#### **DANGER - NOTICE**

This sign indicates serious danger which must not be underestimated in order not to risk people's health and safety.



#### **CAUTION**

This sign indicates the requirement to be careful on how to move and act in order not to risk people's health and safety and cause economical damages



#### **IMPORTANT**

This sign indicates technical information and important regulations to pay attention to.



#### **ECOLOGY**

Remarks regarding ecology



#### **PROHIBITION**

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If instructions contained in this manual are not strictly followed and original spare parts are not used, or in case ordinary maintenance or non authorized interventions are carried out Buyer will take his own responsibilities and guarantee will no longer be valid

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## CHAPTER 1

### LAYING INSTRUCTIONS

#### 1.1 PRELIMINARY PHASE

- Dispose the panels in sequence on the floor.
- Insert and screw the upper profile into the superior part of the panels
- Insert and rivet the lower profile to the bottom part of the panels.



Before screwing and rivetting the profiles make sure that the panels are perfectly horizontal.

- Plug the L channel bar 40 mm from the doorway (on the closing side of the sliding door)
- Use the side smoke labyrinth of the sliding door referring to guide height.
- Lift the guide and dowel it by keeping the inclination of the panels. (Start dowelling from the closing side)



**NOTE:** The difference between L of the counterweight and the smoke labyrinth is around 6 mm.



Lower profile



Upper profile

**1.2 ASSEMBLY**

Screw the trolleys on the sliding door with the wheel facing upwards.



Lift the door carefully and position it along with the trolleys above the guides.

Position the smoke labyrinth at the end of the wall in order to have it near the door (5/10mm) end once this is closed.



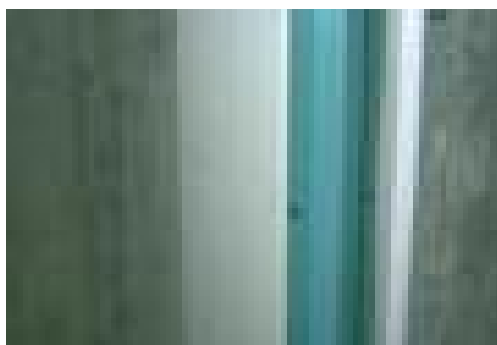
Position the screw with washer in order to keep the distance between the wall and the main door even.

Insert the carter counterweights, manually close the door to check that it coincides with the door.



Position the doorstop profile and screw it to the door.

Manually slide the door, if the sliding is easy fix the trolleys with the appropriate screws.

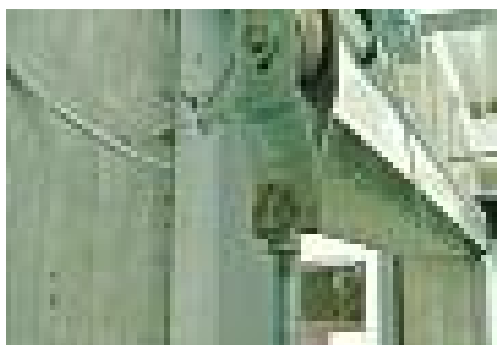




If the sliding door has the fuse already installed on the runner, unwind the steel cable and pass it into the trolleys, over the wheel placed in the runner (or on the closing regulator) and then stop it on the counterweight (only for the sliding doors that are higher rather than larger).



When the guides and the counterweight have more wheels pass the cable all the way through the wheels and stop the chord on the guide.



If the sliding door has an electromagnet take the trolley with the steel cable, place it on the sliding door on the closing side and unwind the cable passing it above the first wheel on the runner and stop the steel cable on the counterweight.

If there are many wheels on the runner and on the counterweight, repeat the operation many times and stop the cable on the clamp containing the wheel on the runner. Centre the electromagnet already set up on the runner with the plate on the trolley.



Position the carter guide on the appropriate bracket and screw with screws or rivets.



**1.3 CLOSING REGULATOR**

In order to set up the closing regulator work on the insert or on the bolt placed in the centre of the regulator.

Screwing on increases the braking action.

Screwing off decreases the braking action.

**1.4 END DRUN SHOCK ABSORBER**

In order to regulate the end run shock absorber pull the stem and rotate it clockwise to increase the power of the shock absorber and anti-clockwise to decrease it.



**NOTE** All the doors are equipped with a thermo-expanding seal that expands up to 25 mm to close up any gaps.

**1.5 THERMAL FUSE ON FIREBREAK**

Open the sliding door completely.  
Fit the thermal fuse.



Thread the steel cable into the trolleys



Pass the steel cable on the wheel



Hook the cable to the counterweight that must be in a higher position.



**1.5.1 FUNCTIONING**

The door may be opened or closed manually, in case of fire the thermal fuse will melt and the counterweight will go down and the sliding door until totally shut.

**1.5.2 USAGE OF DOORS WITH THERMAL FUSE**

Leave the main door wide open or completely shut. The opening/closing of the door must be carried out manually with care.

**CHAPTER 2**  
**Use****2.1 USAGE FIRE DOORS REI 120**

**DO NOT USE FIRE DOORS AS NORMAL DOORS, THEY MUST BE OPENED AND CLOSED ONLY DURING PERIODIC TESTING OR FOR EMERGENCY.**

- Always leave the doorway free from anything which could interfere with the closing.
- The main doors with thermal fuse can be kept wide open or completely shut (never in an intermediate position)
- Main doors with thermal fuse must always be wide open. If they need to be closed the button that takes off the tension of the electromagnet must be pressed.
- Never pull the main door in order to detach it from the electromagnet. This operation may damage the electromagnet or the clamp.
- Be very careful in opening the main doors because if they have the electromagnet it will work as a back stop and it can be damaged.

## CHAPTER 1

### MAINTENANCE AND REPAIR

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#### 1.1 MAINTENANCE

Contact specialized/trained personnel in Kopron S.p.A.

Main doors must be checked every six months.

#### 1.2 TECHNICAL MAINTENANCE PAMPHLET

According to the Presidential decree il D.P.R. 12/01/1998 n° 37 art. 5, people in charge of activities related to fire prevention must provide maintenance to equipment, devices and other fire safety measures keeping them in an efficient state and perform tests of the above according to the timetable indicated by the local V.V.F Authorities (generally this must occur every 6 months).

Technicians who carry out tests and maintenance must make a report written in a specific register which must be updated and made available to authorized inspections

KOPRON S.p.A supply service is upon payment..

This pamphlet is a legal document required by Ministerial Decree 20/04/2001, and must be kept updated by the owner of the Company.

- Inspect the door in order to make sure there are no dents or warpings and no missing accessories, which would prevent the correct opening of the doors.
- Check the perfect adherence of the thermo-expanding gaskets.
- Check the lubrication on trolleys and locks.
- Check that the doorway is without interference.
- Check the automatic closing of the door (add weight if necessary)
- Check the wear on the trolleys.
- Check the condition of the cable
- Check the wear of the pullies
- Check the functioning of the end run shock absorber and of the self-closing system (if any)
- Check the integrity of the thermal fuse or of the electromagnet.



**NOTE:** Worn out material must be replaced by new and original material.

## CHAPTER 1

### ENVIRONMENTAL POLLUTION

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#### 1.1 DISMISSAL AND DISMANTELLING

Organize the material according to type:

Main material is:

- Iron for the structure
- Plastic, covering fabric.

Material must be thrown in dedicated areas for disposing material.

## SPARE PARTS

### CHAPTER 1

#### SPARE PARTS

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#### 1.1 SPARE PARTS

For any request for spare parts please refer to our Service Dpt at the following address and numbers:

**KOPRON S.p.A.** via I Maggio s.n. - 20064 Gorgonzola – Milan - Italy  
 ☎ +39-02 – 921 52 751 📠 +39-02 – 921 52 923

You must give the serial number and the year of construction, data which can be easily found on the identification plate.

In case non original spare parts are used, this will be classified as improper use, therefore the guarantee will no longer be valid and buyer will take his own responsibilities.

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## SERVICE AND GUARANTEE

### CHAPTER 1

#### SERVICE AND GUARANTEE

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#### 1.1 REQUEST FOR ASSISTANCE

For any request for technical assistance you may apply to our Service Dpt at the following address and numbers:

**KOPRON S.p.A.** via I Maggio s.n. - 20064 Gorgonzola – Milan - Italy  
 ☎ +39-02 – 921 52 751 📠 +39-02 – 921 52 923

You must give information regarding the anomaly or damage, the serial number and year of construction which are shown on the identification plate permanently fixed in the door..

**1.2 GUARANTEE STANDARDS**

1 - Kopron S.p.A. grant a guarantee period of 12 months from delivery date except for electric and electronic parts for which there is no guarantee, these components used for production have their own guarantee, established by the relevant suppliers, which as well does not exceed 12 months from delivery.

2 - Kopron S.p.A. undertake to remove any defect due to error in design or material/production faults occurring within the terms mentioned at point 1.

3 - For each faulty part, Buyer must give Kopron written notice within eight days. Buyer will be charged with transport costs and risks plus eventual customs expenses for faulty parts as well as for the supply of parts repaired or sent for replacement.

4 - Upon request of Buyer service under guarantee can be carried out locally where the dock leveller has been assembled, in this case intervention plus expenses for travel, food and lodging will be charged to customer.

5 - Guarantee is valid only in case equipment has been correctly used according to instructions contained in the Use and Maintenance manual. Guarantee will not cover faults caused by Buyer in case of maintenance or interventions not authorized by Kopron S.p.A. in writing, or due to wear and tear. Guarantee will not cover any damages caused directly or indirectly by tools, or due to missing production.

6 - Material subject to normal wear and tear is not under guarantee.

7 - The duration of the guarantee does not exclude the obligation on behalf of Customer to stock up with spare parts as suggested by Kopron S.p.A. in due time.

8 - The obligations implied in the guarantee have nothing to do with the economical conditions agreed upon and do not authorize interruptions or changes in payment modalities.

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Should instructions contained in this manual not be followed strictly, or if negligence occur during maintenance, or repairs not be carried out properly, or should on original spare parts be used, this will be considered improper and will imply Buyer to take his own responsibilities plus the loss of guarantee.

Kopron S.p.A





## LOOKING AHEAD



Quality Management System  
UNI EN ISO 9001:2008 Certified  
Factory Production Control  
UNI EN ISO 1090  
Applicable standard  
UNI EN 13241-1  
UNI EN 16005  
UNI EN 1398  
UNI EN 3834-2

### CERTIFICAZIONI CERTIFICATIONS

Kopron attraverso le certificazioni di qualità offre un'ulteriore garanzia sull'efficacia e l'efficienza dei propri prodotti.

*Through certifications Kopron offer a further guarantee on efficiency and quality of their products.*



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