

User manual.

VERSA · Magnetic system for automatic interior doors

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01

Introduction.

Welcome to the user manual for the VERSA magnetic system for automatic interior doors. The system has been designed for pedestrian use in internal applications and incorporates a linear drive system using permanent magnets, providing smooth, quiet and efficient operation while reducing mechanical wear of components.

Please read this manual carefully before using the system for the first time and keep it accessible for future reference.

1.1 After professional installation

Following the installation by a qualified professional, the VERSA system will have been adjusted and commissioned in accordance with the specific requirements of the installation and in conformity with applicable safety standards. Once the installation has been completed and handed over to the owner, as the user, you may:

Operating modes	Change the operating mode via the KLEIN mobile app or via the installed control devices (if applicable), according to the configuration defined during installation.
Basic user care	Follow the instructions in this manual for routine cleaning and basic visual inspection of accessible parts.

1.2 User responsibilities

To ensure a safe and efficient operation, the user must assume and comply with the following responsibilities:

Keep the area clear	Do not allow children to play within the door threshold or in the door leaf travelling area.
Safe use of controls	Keep remote controls or mobile devices used to operate the door out of the reach of children.
Observe safety warnings	Do not remove, cover or modify labels, warning stickers or safety signs placed on the door or its accessories.
Do not tamper with the magnetic system	Any adjustment, repair or maintenance must be carried out solely by authorised, qualified technicians.

1.3 Intended use and limitations

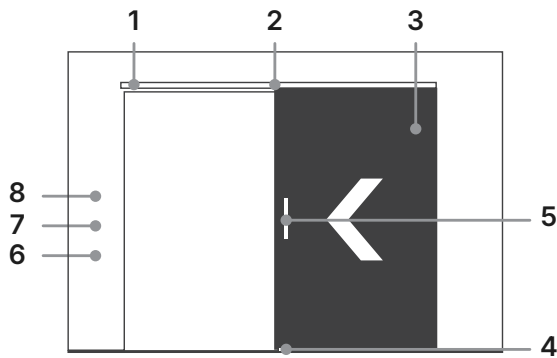
The VERSA magnetic system has been designed exclusively for pedestrian use in internal applications, under normal conditions of use. This door must NOT be regarded or used as:

- An escape route.
- An emergency exit.
- A fire partition element.

In the event of a power failure or an emergency, the door can be opened manually as described in section 6 of this manual; however, this possibility does not replace compliance with the evacuation and fire protection regulations applicable to the building. KLEIN accepts no liability for damage to persons, animals or property arising from improper use, unauthorised modifications, or the use of non-original or non-approved accessories or spare parts, which may increase the level of risk. End users and unqualified personnel are strictly prohibited from accessing or tampering with the internal parts of the system. Preventive maintenance operations and actions in the event of a fault are described in sections 7 and 8 of this manual.

02

General description.



1 VERSA system

2 Safety sensor

3 Door leaf

4 Floor guide

5 Door handle

6 Activation sensor

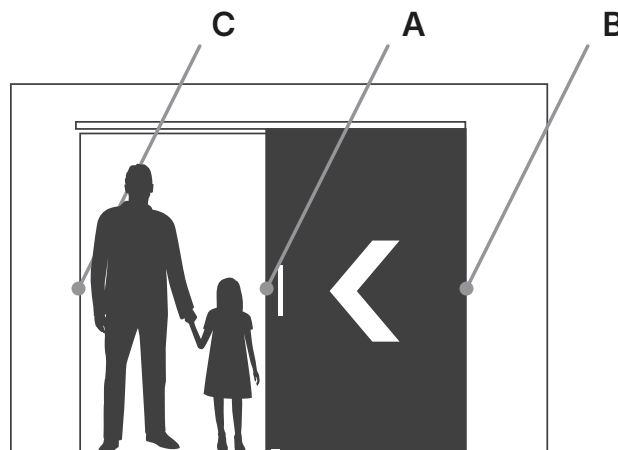
7 Mode selector

8 Push-button

03

Identification of hazardous areas and risks.

The illustrations show the typical risk areas associated with automatic sliding doors.



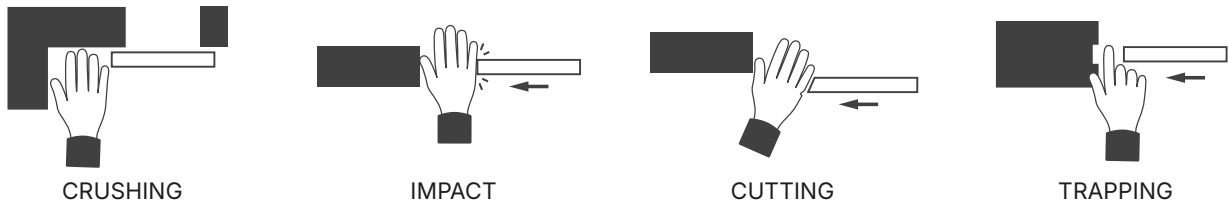
In accordance with UNE-EN 16005, the following definitions apply:

- **Point A:** Between the leaf and the frame/system on the closing side. Risk of cutting or trapping.
- **Point B:** Between the edge of the leaf and the fixed side frame or wall. Risk of crushing or impact.
- **Point C:** Between the leaf and the system. Risk of trapping.
- **Hazardous area:** Any area within and/or near the machine where the presence or exposure of a person poses a risk to their safety or health.
- **Exposed person:** Any person who is wholly or partly within a hazardous area.

In relation to the use of the VERSA magnetic system, the diagrams indicate the typical residual risks associated with door movement.

3.1 Typical residual risks

The following residual risks may exist in the indicated areas:



Although the VERSA system has been designed and manufactured to ensure safe operation, some risks may persist, particularly in situations such as:

- High pedestrian traffic
- Unusual leaf dimensions or mass
- Environmental or structural conditions
- Improper use of the door

In accordance with the UNE-EN 16005 and UNE-EN 16361 standards, the travelling area of an automatic sliding door must be protected as far as possible to reduce the risk of impact. To limit these risks, and depending on the installation, the following safety measures may be implemented:

- Use of safety sensors to detect the presence or movement of persons and/or objects.
- Use of "low energy" mode, in which the door's speed and forces are reduced to ensure that kinetic energy and impact forces remain within the limits set by the applicable standard.
- Where a higher level of safety is required, the VERSA system allows several safety measures to be combined, as determined during installation.

A qualified technician must verify the correct installation, commissioning, adjustment and operation of all safety devices and configurations.

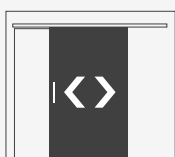
04

Operating modes.

Depending on the installation, the VERSA system allows the operating mode to be selected using one of the following methods:

- KLEIN mobile app (free app)
- KLEIN wireless remote control (optional accessory)
- Digital selector (optional accessory)

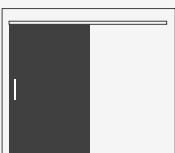
The availability of each method depends on the accessories installed during commissioning. Any configuration, parameter adjustment or safety-related modification may only be carried out by authorised, qualified technicians.

**Automatic mode**

The door opens every time an activation device is triggered, or when the leaf is pushed manually approximately 5 cm. After an adjustable opening time, the door closes automatically.

**Open mode**

The door opens and remains open until a new mode is selected. In this mode, the leaf can be moved manually like a conventional sliding door. Especially suitable for cleaning tasks.

**Closed mode**

The door closes and remains in that position. If the door is equipped with an automatic lock (optional), the door will remain blocked.

**Exit only mode**

Activation devices on the interior side remain active, while devices on the exterior side are deactivated.

4.1 Energy modes

Unlike the operating modes described above, the energy level is not a mode in itself, but a parameter that determines the speed and force with which the VERSA system executes any of the selected modes.

The VERSA system can operate at two energy levels:

- **High energy:** standard operating speed and force. The use of safety sensors is compulsory.
- **Low energy (default):** reduced speed and force, ensuring that the kinetic energy at any point along the travel does not exceed the limits established by UNE-EN 16005. Suitable for environments where children, elderly people, or people with reduced mobility are present. The use of sensors is required in certain situations, according to the risk assessment.

The energy level is configured exclusively by the installing technician, via password-protected access in the technical parameters section of the KLEIN app. The user does not have access to activate or modify this parameter, regardless of the operating mode selected.

To change the operating mode, follow the instructions corresponding to the operating device:

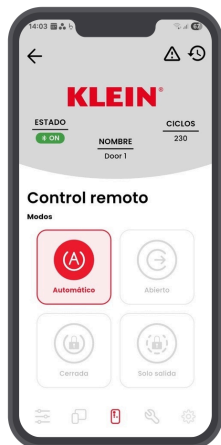
4.2 Mobile app (KLEIN)

The operating modes of the VERSA magnetic system can be selected via the KLEIN mobile app provided by the manufacturer. The KLEIN app is available free for download on:

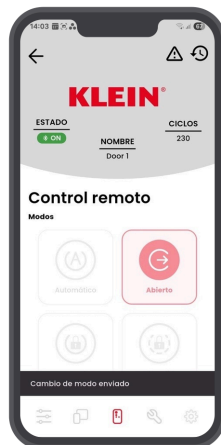
- Google Play Store (Android devices)
- Apple App Store (iOS devices)

To change the operating mode:

- 1 Install the KLEIN app on the mobile device.
- 2 Open the app and select the relevant door.
- 3 Select the desired operating mode from the available options. The door will automatically switch to the selected mode.



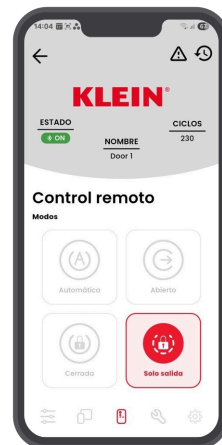
Automatic mode



Open mode



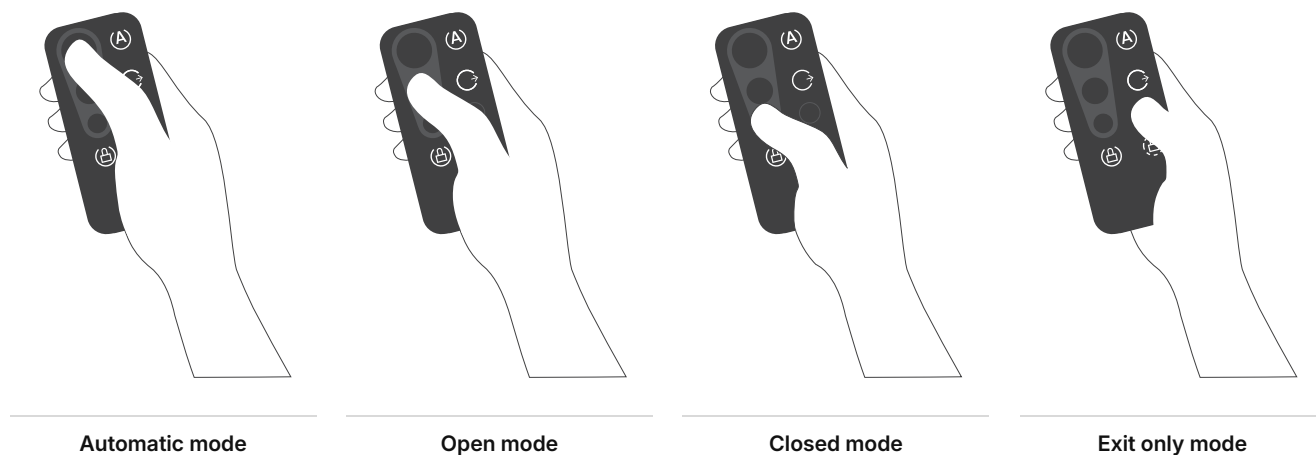
Closed mode



Exit only mode

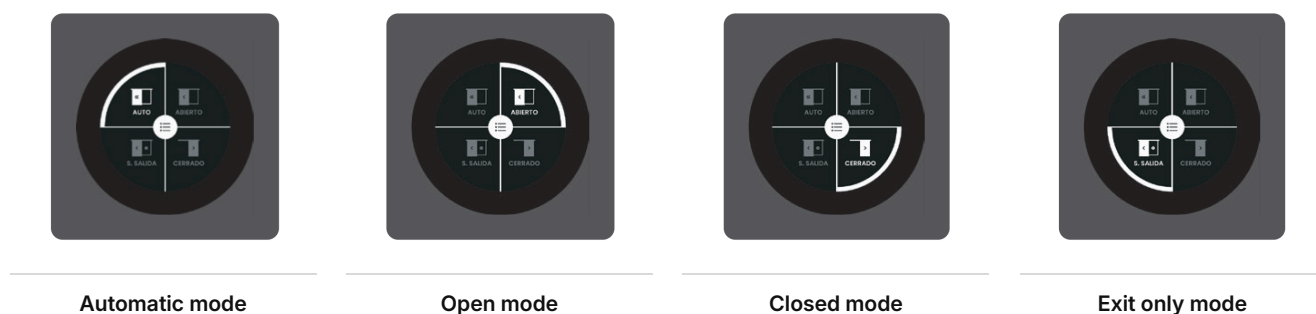
4.3 Remote control (KLEIN)

If the installation includes the optional wireless remote control, the operating mode can be changed by pressing the corresponding button. Each button is associated with a specific operating mode. When a button is pressed, the door immediately switches to the selected mode.



4.4 Digital selector

If the installation is equipped with the optional touchscreen mode selector, the operating mode can be selected directly from the screen. Tap the icon corresponding to the desired mode. The selected mode will activate immediately.



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How to clean the system.

To ensure the durability and optimum performance of the magnetic system, regular cleaning and basic maintenance are necessary. Select **open mode** on the remote control, the KLEIN mobile app or the digital selector, and manually slide the leaf to the desired position. In this mode, activation devices remain disabled and the system can be safely cleaned. Clean the leaves, frame and top and bottom track rails with a soft, slightly dampened cloth. Do not use aggressive chemical products or abrasive materials that could damage the surfaces.

This cleaning is recommended on an annual basis, as indicated in section 8 of this manual.

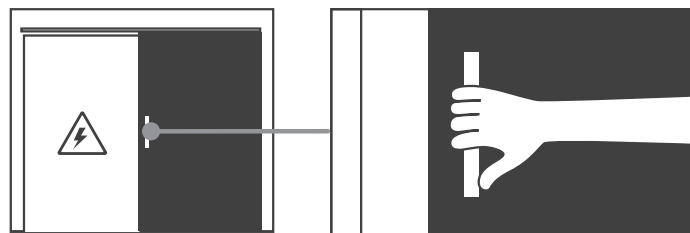
Once cleaning is complete, remember to select the desired operating mode.

06

Operation in the event of power failure.

In the event of a power failure, the VERSA system allows the door to be operated manually with ease, thanks to its technology and the absence of mechanical elements such as gears or belts.

- **Manual movement:** Gently push or pull the leaf or handle to open or close the door. Movement will remain smooth even without electrical power. The force required to move the leaf manually does not exceed 20 N. There is no need to force the door; if it meets resistance, stop and contact the technical service.



- **Automatic lock release:** If the system is fitted with an automatic lock, this will automatically release during a power cut, allowing the door to be operated manually like a conventional sliding door.
- In the event of anomalous operation other than a power failure, do not force the door and notify the authorised technical service. When power is restored, the leaf will perform an opening and closing movement to locate its zero position, before returning to the last operating mode selected.

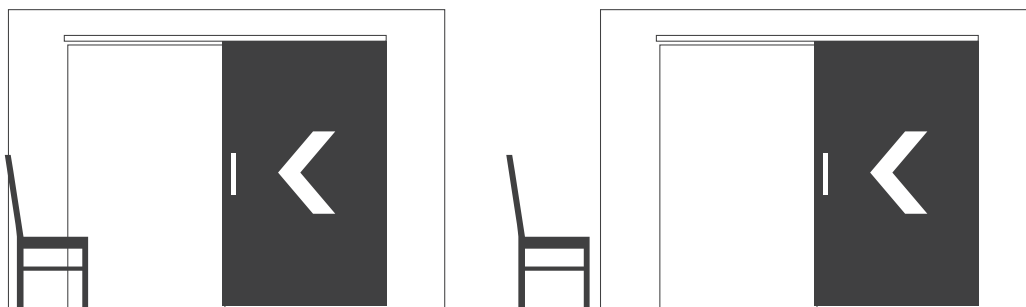
Do not touch or obstruct the leaf during this movement.

07

Troubleshooting.

If you notice that the door is not working correctly, follow these steps before contacting the technical service:

- Check that the desired operating mode has been correctly selected via the available control system (KLEIN app, remote control or digital selector).
- Check that the power supply is connected and that the ON/OFF switch is in the ON position.
- Make sure the door is not obstructed by an object or debris beneath the leaf or in the clear opening. If there is an obstruction in the clear opening area, remove it and change the operating mode to "Open", then to "Automatic", to restore normal operation.



If, after these checks, the door still does not work in automatic mode, contact a qualified technician, and have the serial number ready to provide it to the technician.

08

Maintenance.

The automatic door fitted with the VERSA system requires periodic maintenance to ensure correct operation and safe use throughout its service life. Maintenance operations include cleaning, visual inspections and technical adjustments, and must be carried out according to the level of responsibility indicated below.

The user may carry out the following operations, without the use of tools or access to internal components:

- Keeping the passage area clear.
- Carrying out basic cleaning of accessible surfaces and the top and bottom running tracks once a year.
- Carrying out a periodic visual inspection of the external fixings, the leaf suspension and the automatic lock (if fitted), without handling or adjusting any component.
- Checking the condition of the remote control battery.

If any anomaly is detected during a visual inspection (loose fixings, visible play, unusual noise, wear or any other symptom), the user must contact the authorised technical service to carry out the corresponding adjustment or repair.

The user must not carry out adjustments, tightening, repairs or any other technical intervention on the door or the magnetic operator. Inspection and testing of safety sensors and activation detectors, and all operations with a 5-year (500,000-cycle) interval, must be carried out exclusively by the authorised technical service.

Do not tamper with internal components, do not remove covers, and do not modify safety devices. Failure to comply with these instructions may result in hazardous situations and loss of product conformity.

09

Technical data.

PARAMETER	VALUE
A-weighted sound power level (L_{WA})	Below the mandatory declaration threshold $L_{pA} < 70$ dB(A). Directive 2006/42/EC, Annex I
Maximum manual travel force	<20 N
Operating temperature	+5 °C to +40 °C
Maximum admissible leaf weight	80 kg
Supply voltage	24 VDC (supplied by integrated power source)



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