

LOCINOX[®]

Let's make it better together

VENUS

HANDLEIDING

Belangrijke installatie- en veiligheidsmededelingen

- Locinox wijst elke aansprakelijkheid af die voortvloeit uit oneigenlijk gebruik of gebruik anders dan waarvoor het geautomatiseerde systeem bedoeld was.
- Installeer de apparatuur niet in een explosieve omgeving: de aanwezigheid van brandbare gassen of dampen vormt een ernstig gevaar voor de veiligheid.
- De aansluiting op de stroomvoorziening moet door een professionele elektricien worden uitgevoerd. Schakel de netvoeding uit vóór installatie- of onderhoudsinterventies.
- De veiligheid van deze apparatuur is alleen gegarandeerd als deze effectief is geïnstalleerd in overeenstemming met de huidige veiligheidsnormen en -voorschriften.
- Respecteer de minimale kabeldoorsneden voor de stroom- en signaalkabels.
- Zorg voor geschikte leidingen en kanalen voor het geleiden van de elektrische kabels, zodat bescherming tegen mechanische schade wordt gewaarborgd.
- De poortconstructie moet solide en geschikt zijn. Breng indien nodig geschikte wapening aan op de verankeringspunten. Het gebruik van een stalen poortpaal met een dikte van 3 mm wordt aanbevolen.
- De scharnieren moeten in goede staat zijn en zijn ingevet. Lagerscharnieren worden aanbevolen.
- De poort moet waterpas worden geplaatst. Niet installeren op gekantelde poorten.
- De Venus-bedieningsarm moet aan de bovenzijde worden geïnstalleerd. Installeer

het product niet ondersteboven.

- Zorg ervoor dat er een stop is geïnstalleerd in de gesloten positie. Een openingsstop is niet verplicht, maar wordt wel aanbevolen.
- Zorg voor voldoende afstand tussen de bewegende poort en de poortpaal om beknelling van vingers te voorkomen.
- Volg de actuele status van richtlijnen, normen en landspecifieke regelgeving. Europa: EN16005 / VS: ANSI 156.19
- In overeenstemming met de Machinerichtlijn 2006/42/EC moet vóór de inbedrijfstelling van het systeem een risicoanalyse worden uitgevoerd en de automatische poort worden geïdentificeerd in overeenstemming met de CE-markeringsrichtlijn 93/68/EEC.

Productbeschrijving

Modellen

- **VENUS-S:**
Omkeerbare motor voor voetgangspoorten met geïntegreerde elektronica inclusief schuifarm
- **VENUS-A:**
Omkeerbare motor voor voetgangspoorten met geïntegreerde elektronica inclusief scharnierarm

Accessoires

- **VENUS-ARM-S:**
schuifarm voor de Venus-motor
- **VENUS-ARM-A:**
scharnierarm voor de Venus-motor
- **VENUS-RAIL:**
1,5 m lange rail op lengte in te korten, kan gebruikt worden in combinatie met 180° scharnieren

Beoogd gebruik

De Venus-poortmotor is ontworpen voor het automatisch openen en sluiten van draaipoorten voor voetgangers en voor gebruik buitenshuis. Dit is een omkeerbare motor waarvoor een (elektrisch) slot vereist is. De werkingssnelheid is beperkt tot "low energy" instellingen volgens de EN16005- en ANSI 156.19-normen. Elk oneigenlijk gebruik, evenals wijzigingen aan de producten, zijn niet toegestaan.

Technische specificaties,

Stroomvoorziening	110 - 240V AC (50/60Hz)
Motor voltage (V) / Motorspannung / Motorspanning / Voltaje del motor /	24V DC
Nominaal vermogen / excl. uitgangsvermogen	30 W
Maximaal vermogen	150 W
Maximales Motordrehmoment	150 Nm
Bereik werkingstemperatuur	-30°C ÷ 70°C
Openingstijd tot 90	> 4 sec
Mate van bescherming	IP 54
Gewicht exclusief arm	6.1 kg

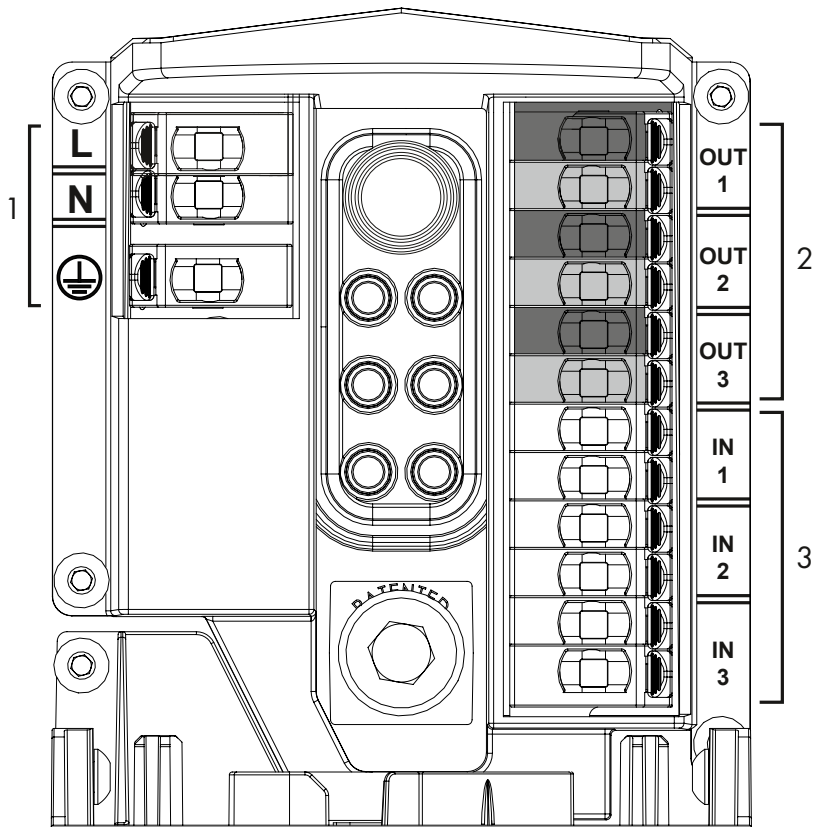
NL Aansluitschema

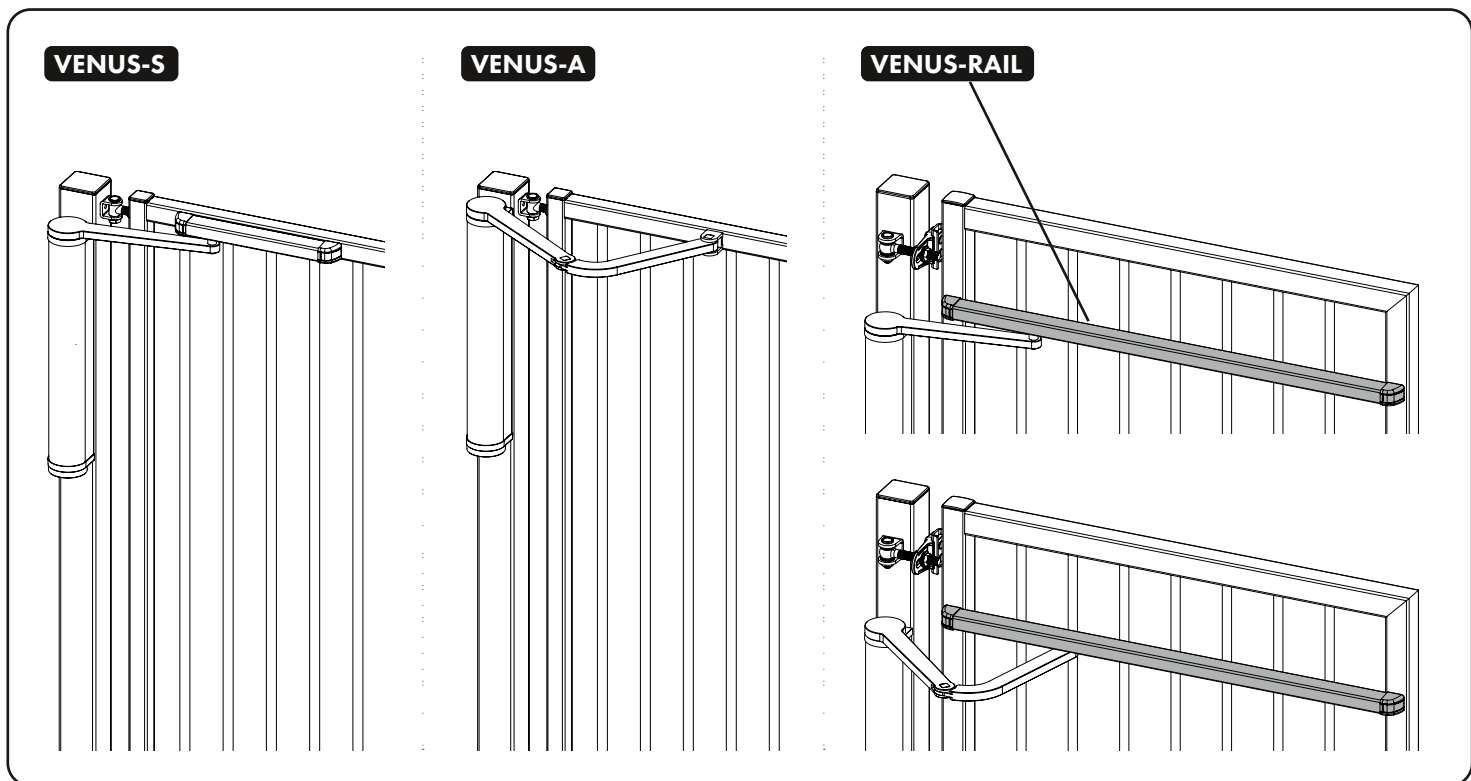
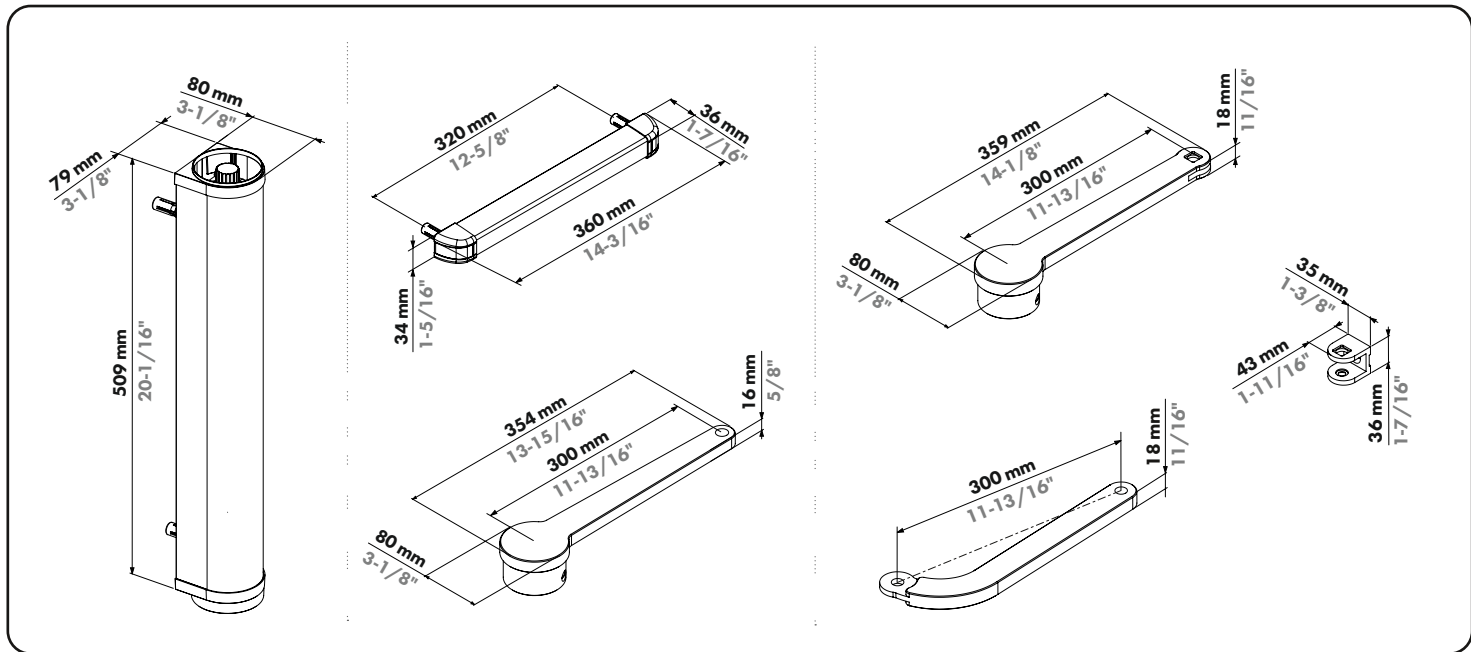
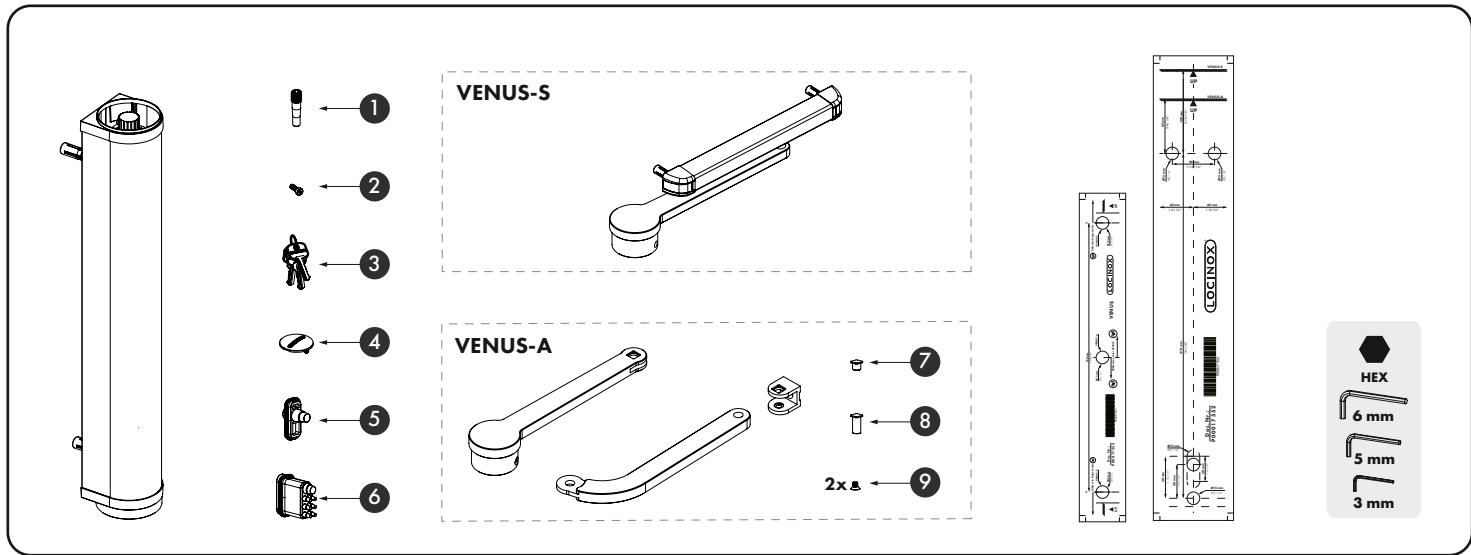
Installatie-app 'Locinox' vereist voor initialisatie en configuratie.

- 1. 110-240V AC ±10% 50/60Hz
- 2. 3 programmeerbare uitgangen
 - Elektrisch slot (Normaal Open/ Normaal Gesloten)
 - Extern waarschuwingslicht / lamp met timer
 - 24 V DC AUX

Totaal uitgangsvermogen: max. 2A (48W)

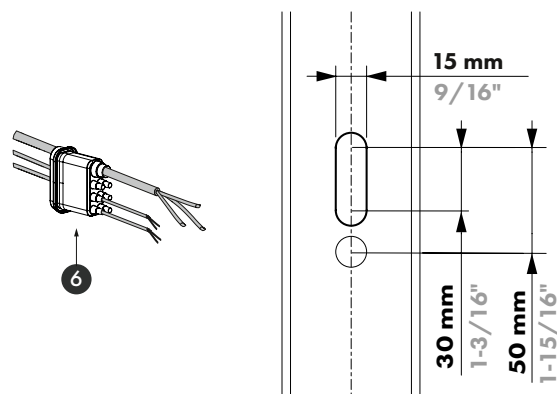
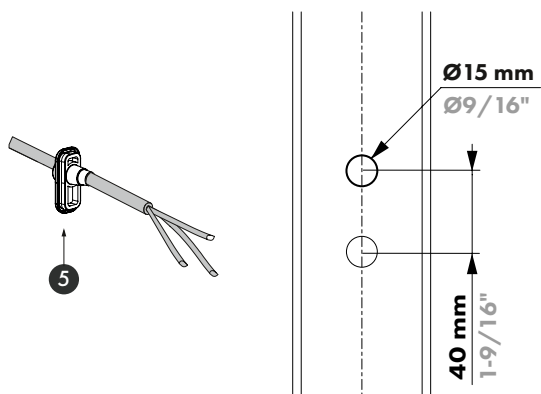
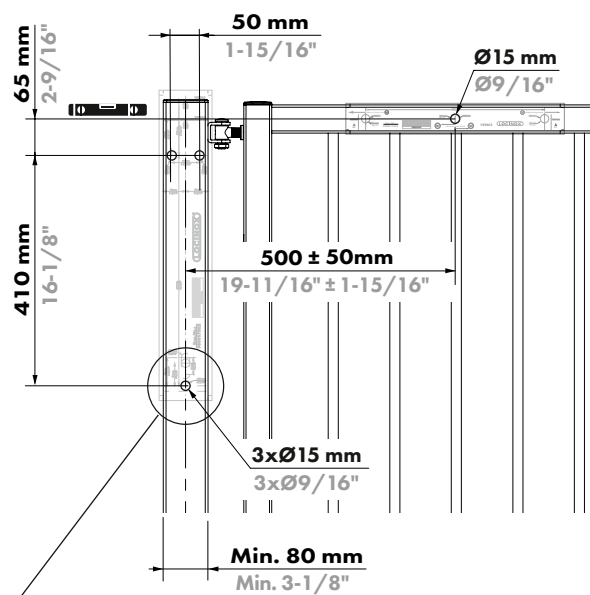
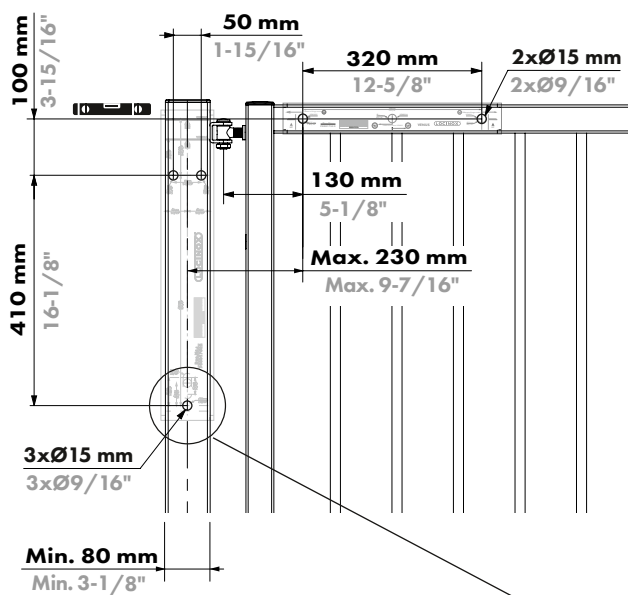
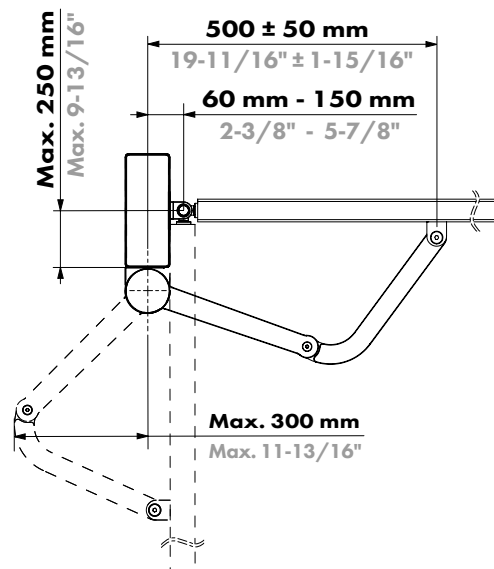
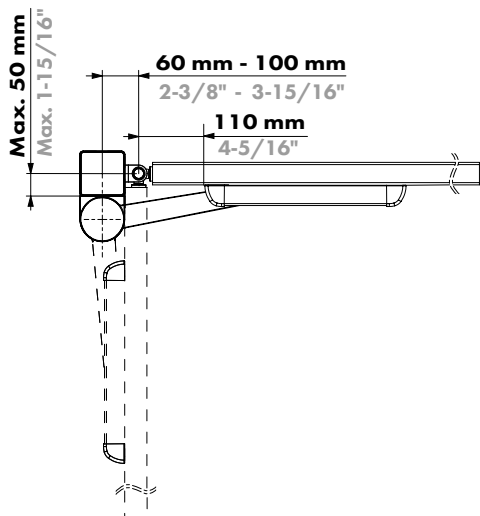
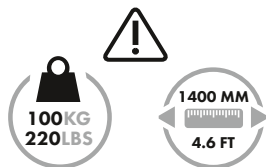
- 3. 3 programmeerbare ingangen
 - Activeringsapparaat (normaal open)
 - Veiligheidsapparaat (normaal gesloten/8K2)

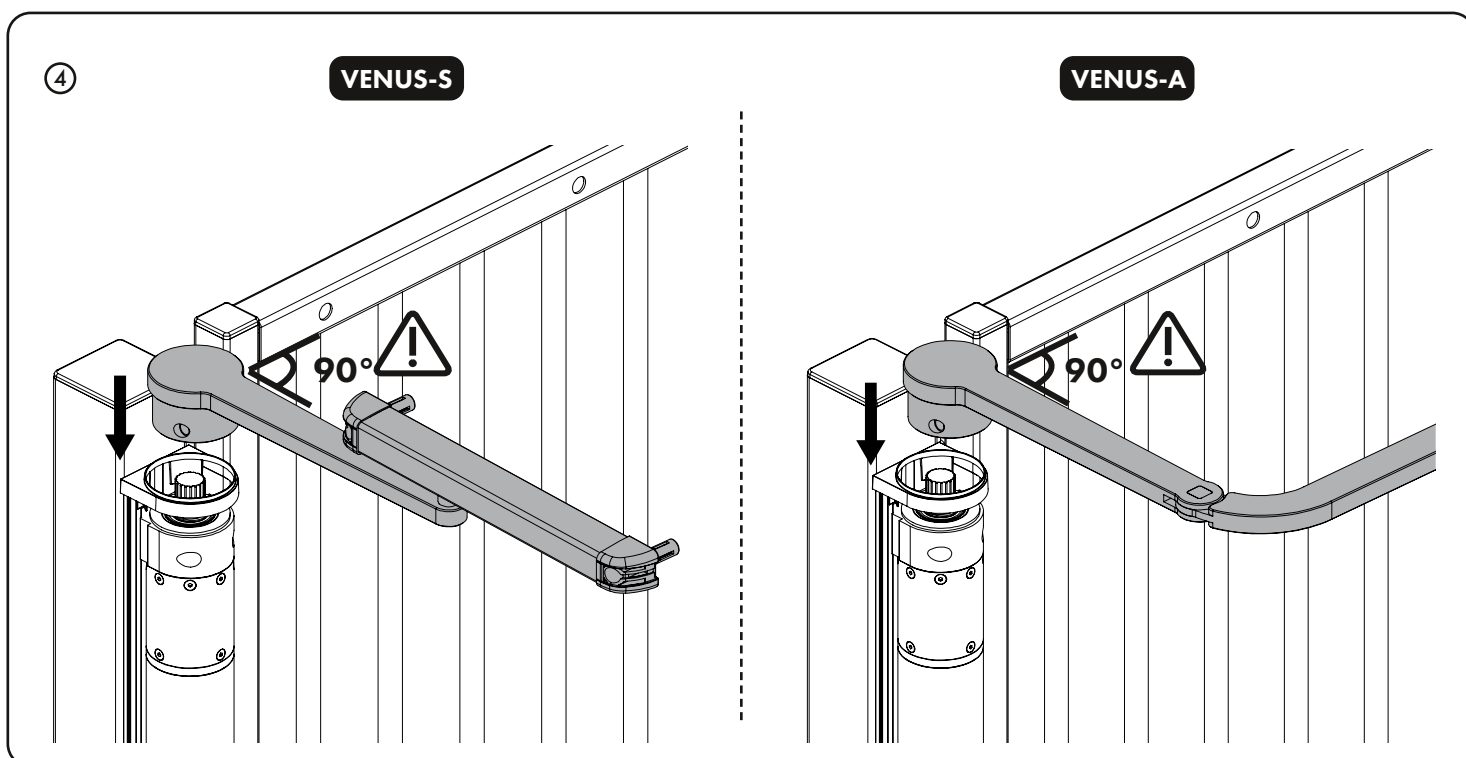
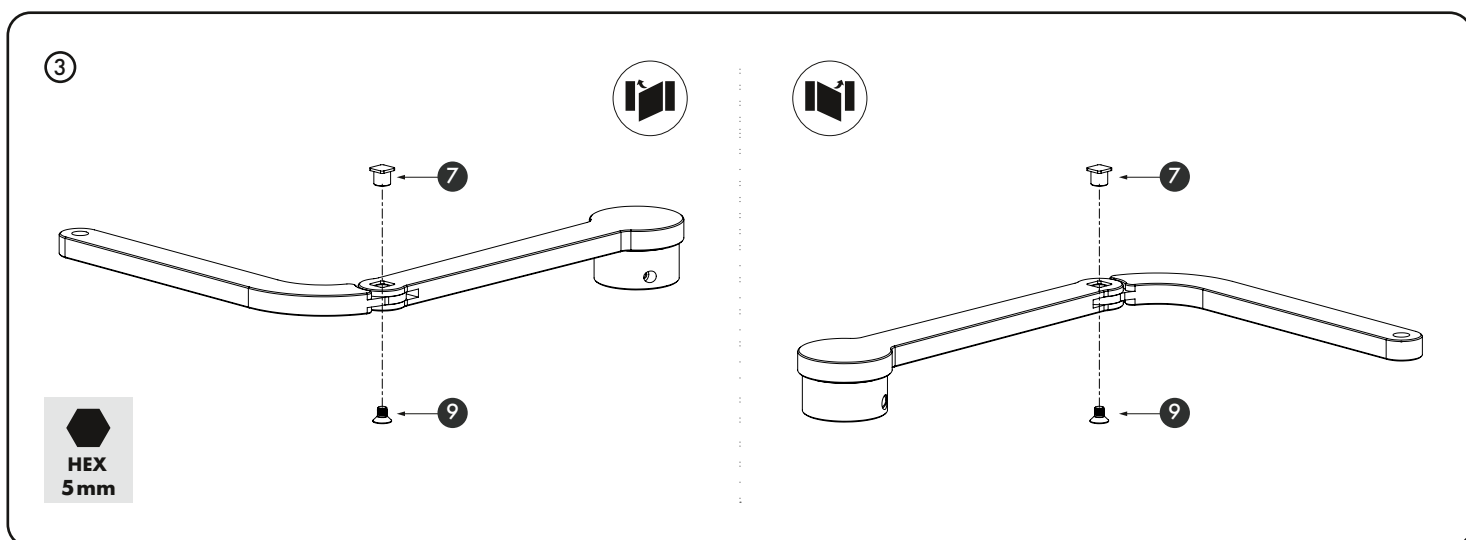
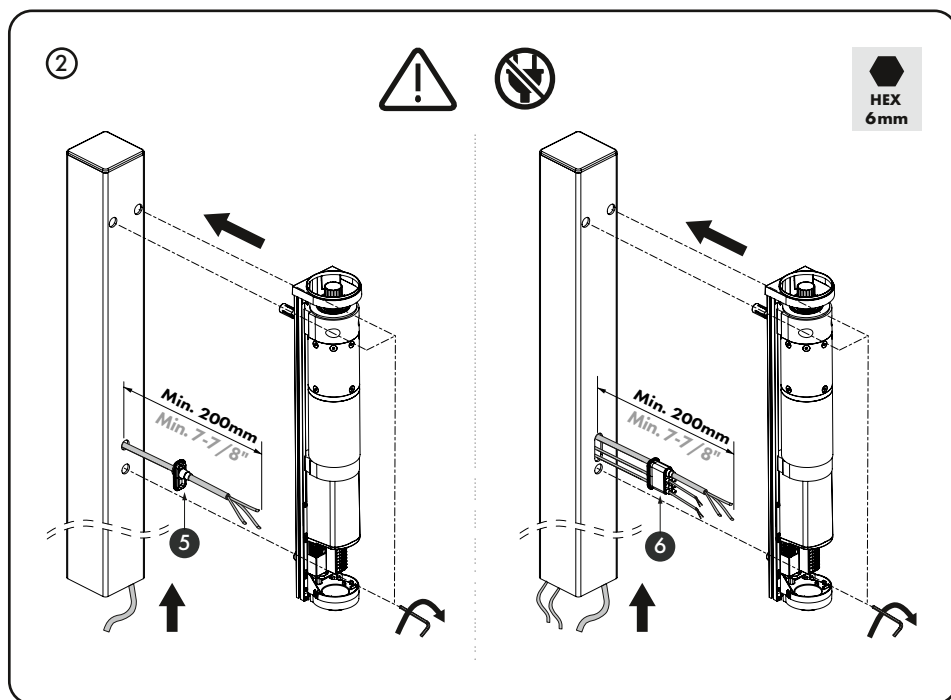
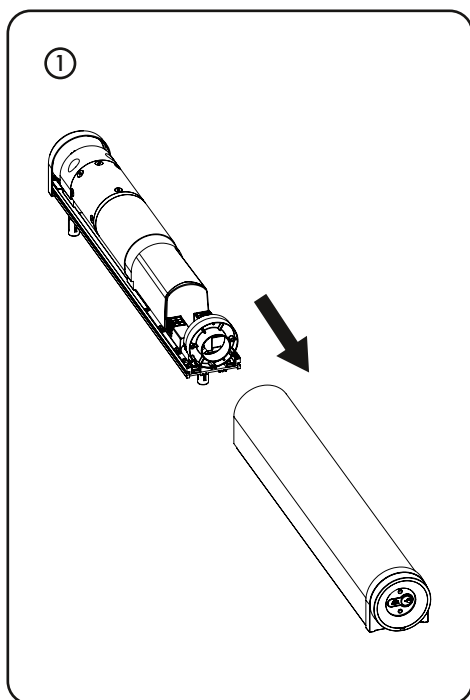




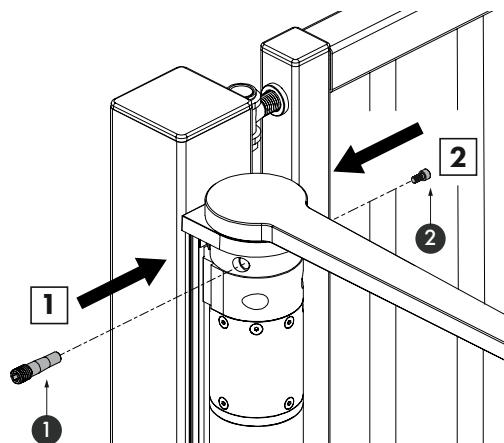
VENUS-S

VENUS-A





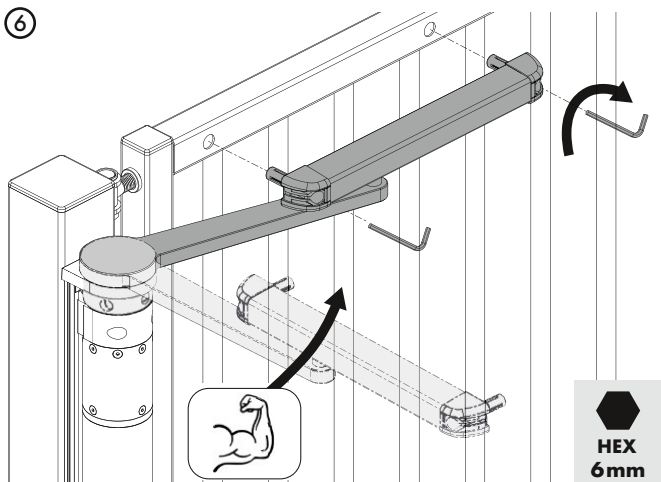
⑤



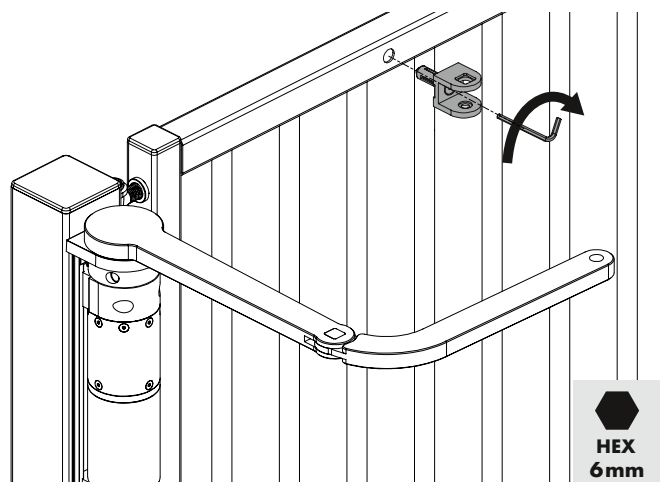
HEX
3mm

HEX
6mm

⑥

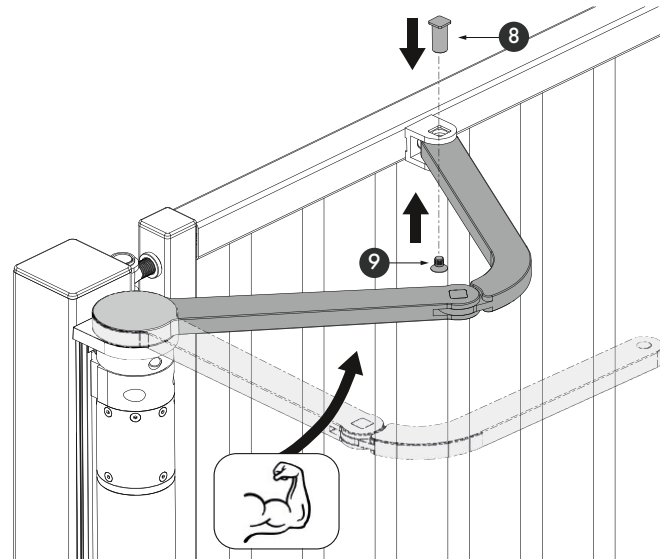
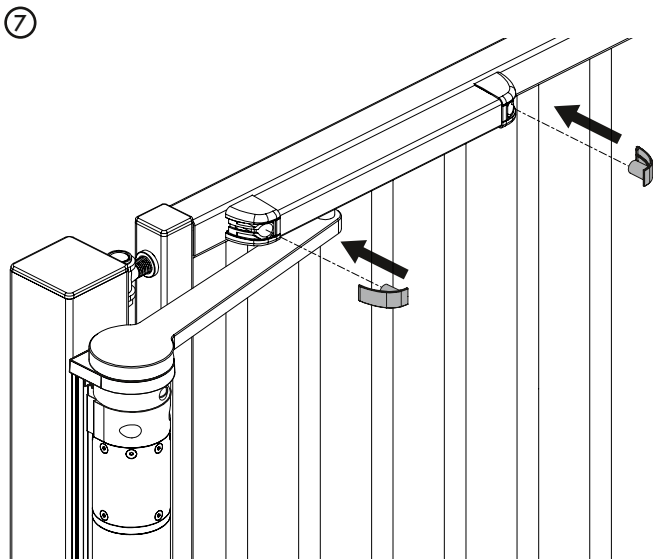


HEX
6mm



HEX
6mm

⑦



⑧ Motorconfiguratie



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App Store



Venus Installation app

version April 2024

10:13

4G



LOCINOX

Welcome

This app guides installers through the wiring and configuration of the Locinox Venus gate motor.

Start

Register for extended warranty

By registering you will receive 3 years of warranty instead of 2 years on all products configured through a registered app.

Simon Sabbe

simon@locinox.com

Communication (optional)



Receive e-mail notifications about firmware updates and new product features.

Register

[I do not wish to register](#)

Select the configuration option



Configure a new gate

Step by step setup



Update an existing gate configuration

Configure previous setup

View our [Terms & Conditions](#) & [Privacy policy](#)

Continue

[Unlink account](#)

[Abort](#)

Let's get started

Make sure that the housing is removed during the entire setup process to enable the Wi-Fi connection.



Do not open multiple Venus motors at once. This can cause problems with the Wi-Fi connection.

[Continue](#)



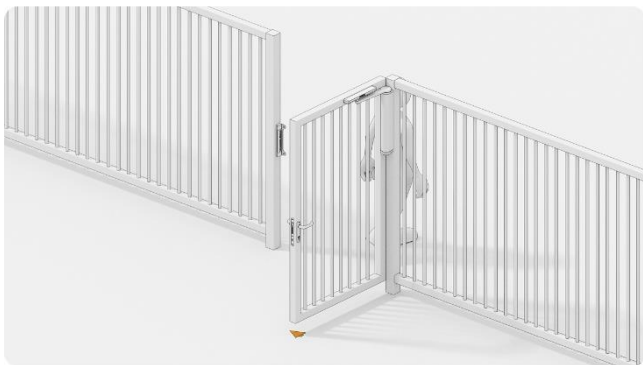
Abort

Select the gate operating mode

Manual opening

Fully automatic

Manual opening with Push & Go and automatic closing

**Continue**



Abort

Select the gate operating mode

Manual opening

Fully automatic

Automatic opening and automatic closing

**Continue**



Abort

Connect the wires

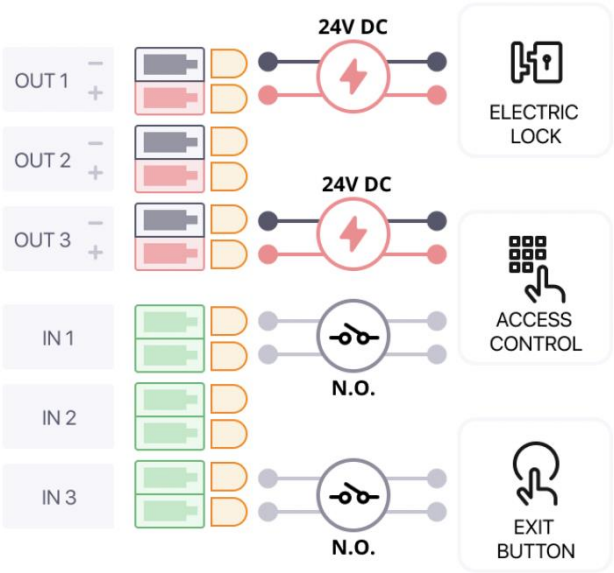
Step 1 of 3

Connect the wires as shown below and keep the housing removed.



Please note that the mains has to be turned off before connecting the wires

24V DC MAX 2A TOTAL POWER OUTPUT



Continue



Abort

Connect the wires

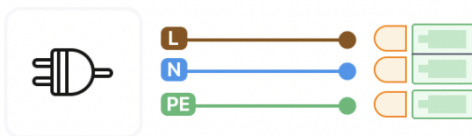
Step 2 of 3

Connect the power cable to the device



Please note that the mains has to be turned off before connecting the wires

110 - 240V AC



Continue

[Abort](#)

Connect the wires

Step 3 of 3

Switch on the mains and wait for the lamp to glow before connecting to the Venus Wi-Fi network.

[Connect to network](#)



Abort

Connect to device

Hold your smartphone near the motor.



**"Locinox" Wants to Join Wi-Fi
Network "VENUS"?**

Cancel

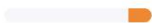
Join

Connecting...

[Abort](#)

Connect to device

Hold your smartphone near the motor.



Checking the firmware version...

[Abort](#)

Firmware update

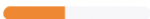
A new firmware update is available. This update is required before you can continue with the motor configuration.

[Update](#)

[Abort](#)

Firmware update

A new firmware update is available. This update is required before you can continue with the motor configuration.



Restarting motor...

Enter width and weight of the gate leaf

Width

Metric

Imperial

0.85 - 1.0 m



Weight

50 - 75 kg



Minimum opening time (Low energy)

4.0 seconds

Configure the opening, closing and pause time in a later step during the setup.

Continue



Configure the open position of the gate

Manually **open** the gate up to the desired maximum opening angle.



The gate is in the open position



Confirm



Abort

Configure the closed position of the gate

Manually close the gate.



The gate is in the closed position



Confirm



Start the motor calibration

Make sure that there are no obstacles in the movement zone and stand back. The gate will open and close multiple times. This process takes up to 1 minute.

When chosen for manual operating mode, disable the mechanical lock during calibration to avoid the gate locking itself.



Calibrate

Start the motor calibration

Make sure that there are no obstacles in the movement zone and stand back. The gate will open and close multiple times. This process takes up to 1 minute.

When chosen for manual operating mode, disable the mechanical lock during calibration to avoid the gate locking itself.



Processing...

Start the motor calibration

Make sure that there are no obstacles in the movement zone and stand back. The gate will open and close multiple times. This process takes up to 1 minute.

When chosen for manual operating mode, disable the mechanical lock during calibration to avoid the gate locking itself.



Calibration successful

[Continue](#)



Abort

Adjust the motor speed

Adjust the opening, closing, and pause time using the sliders below.

Open

5.0 seconds



Close

7.0 seconds



Pause

10 seconds



Test motor speed

Continue



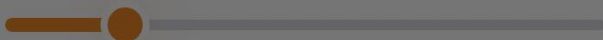
Abort

Adjust the motor speed

Adjust the opening, closing, and pause time using the sliders below.

Open

5.0 seconds



4s

9s

Test motor

Press close and continue when satisfied with the selected settings.

Gate controls



Close

Stop

Open

Close

[Abort](#)

Start the motor calibration

Make sure that there are no obstacles in the movement zone and stand back. The gate will open and close multiple times. This process takes up to 1 minute.

When chosen for manual operating mode, disable the mechanical lock during calibration to avoid the gate locking itself.



Calibrate

Start the motor calibration

Make sure that there are no obstacles in the movement zone and stand back. The gate will open and close multiple times. This process takes up to 1 minute.

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Processing...

[Abort](#)

Start the motor calibration

Make sure that there are no obstacles in the movement zone and stand back. The gate will open and close multiple times. This process takes up to 1 minute.

When chosen for manual operating mode, disable the mechanical lock during calibration to avoid the gate locking itself.



 Calibration successful

[Continue](#)

[Abort](#)

Adjust the motor force

Test, adjust, and re-test the motor force until the optimal setting for your gate has been found.

Motor force

Select the preferred force setting of the motor



4

The installer is liable for any injuries that might occur resulting from improperly adjusted motor forces. Use an impact force gauge to verify that the force at the closing edge of the gate is within the maximum allowed value described in the applicable safety standards of your region.

EU: EN12453 / EN16005
US: UL325 / ANSI 156.19

Consider adding external entrapment protection and configure under "advanced settings": photocells, safety edges, safety light curtains.

Test motor force

Continue



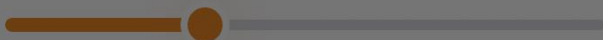
Abort

Adjust the motor force

Test, adjust, and re-test the motor force until the optimal setting for your gate has been found.

Motor force

Select the preferred force setting of the motor



4

Test motor

Press close and continue when satisfied with the selected settings.

Gate controls



Close

Stop

Open

Close

Configure advanced settings?

Optional step for expert installers



Advanced settings



Finish setup

Continue



Quit

Connectors

Configure the functions of the output and input connectors

Connector settings

OUTPUT 1

Lock



OUTPUT 2

Not configured



OUTPUT 3

24V AUX



INPUT 1

Control device



INPUT 2

Not configured



INPUT 3

Control device



Save & continue



Close

Connector settings / OUTPUT 2

OUTPUT 2**Unused****24V AUX**

Max 2A for all 3 outputs

**Lock**

Not configured

**Light**

Not configured





Close

Connector settings / OUTPUT 2 / Lock

Lock**Fail close**

Locked in the event of a power failure

**Fail open**

Unlocked in the event of a power failure





Close

Connector settings / OUTPUT 2 / Light

Light**Warning light**☐**Courtesy light**☐



Close

Connector settings / INPUT 2

INPUT 2

Unused



Control device

Not configured



Safety sensor

Not configured





Connector settings / INPUT 2 / Control device

Control device

Command

Not configured



Contact type

Not configured





Command

Open and close

Automatically close after the pause time

☐

Open and stop

After opening, the gate will remain open until a close command

☐

Stop

☐

Close

☐

Hold to keep open

Gate remains open when contact is closed

☐

Open - stop - close - stop

Step by step command

☐

Open - close - open

Step by step command

☐

Hold to run

The motor only operates when the contact is closed

☐



Close

Connector settings / INPUT 2 / Control device /
Contact type

Contact type

Normally Open



Normally Closed





Connector settings / INPUT 2 / Safety sensor

Safety sensor

While opening
Not configured



While closing
Not configured



Contact type
Not configured





Connector settings / INPUT 2 / Safety sensor /
While opening

While opening

Ignore

☐

Close

☐

Stop

☐

Stop and open

☐

Stop and close

☐



Connector settings / INPUT 2 / Safety sensor /
Contact type

Contact type

Normally Closed



8K2



Normally Open





Quit

Motor & lights

Configure the motor and light settings

Motor settings

Retries of reverse movement

3



Push and Go

On



Pause time

5



Delay after unlocking

0



Close before unlock

Off



Hold time after closing

0



Save settings

Complete setup



Quit

Hold time after closing

0



Obstacle detection

5 options selected



Light settings

Brightness of internal light

Low



Pre-flash time

0



Warning ON during pause time

Off



Activation time Courtesy light

30



Save settings

Complete setup



Close

Motor settings / Retries of reverse movement

Retries of reverse movement

Motor reverses after collision detection

0



3



10



Infinite





Close

Motor settings / Push and Go

Push and Go

On



Off





Close

Motor settings / Pause time

Pause time

Choose a value between 0 and 300 seconds



Close

Motor settings / Delay after unlocking

Delay after unlocking

Choose a value between 0 and 5 seconds

0



0.5



1



2



3



5





Close

Motor settings / Close before unlock

Close before unlock

Option to relief the electric lock from pressure due to windload

On



Off





Close

Motor settings / Hold time after closing

Hold time after closing

Choose a value between 0 and 10 seconds



Close

Motor settings / Obstacle detection

Obstacle detection

Modify the motor current values that trigger obstacle detection

Override calibration values

Off

**During the opening acceleration**

5000

**After the opening acceleration**

2400

**During the closing acceleration**

2400

**After the closing acceleration**

2400





Close

Light settings / Brightness of internal light

Brightness of internal light

High



Low



Off





Close

Light settings / Pre-flash time

Pre-flash time

Choose a value between 0 and 10 seconds



Close

Light settings / Warning ON during pause time

Warning ON during pause time

On



Off





Close

Light settings / Activation time Courtesy light

Activation time Courtesy light

Choose a value between 0 and 300 seconds

[Abort](#)

Close the motor to finish

Slide the cover over the product until it clicks in place.



Close