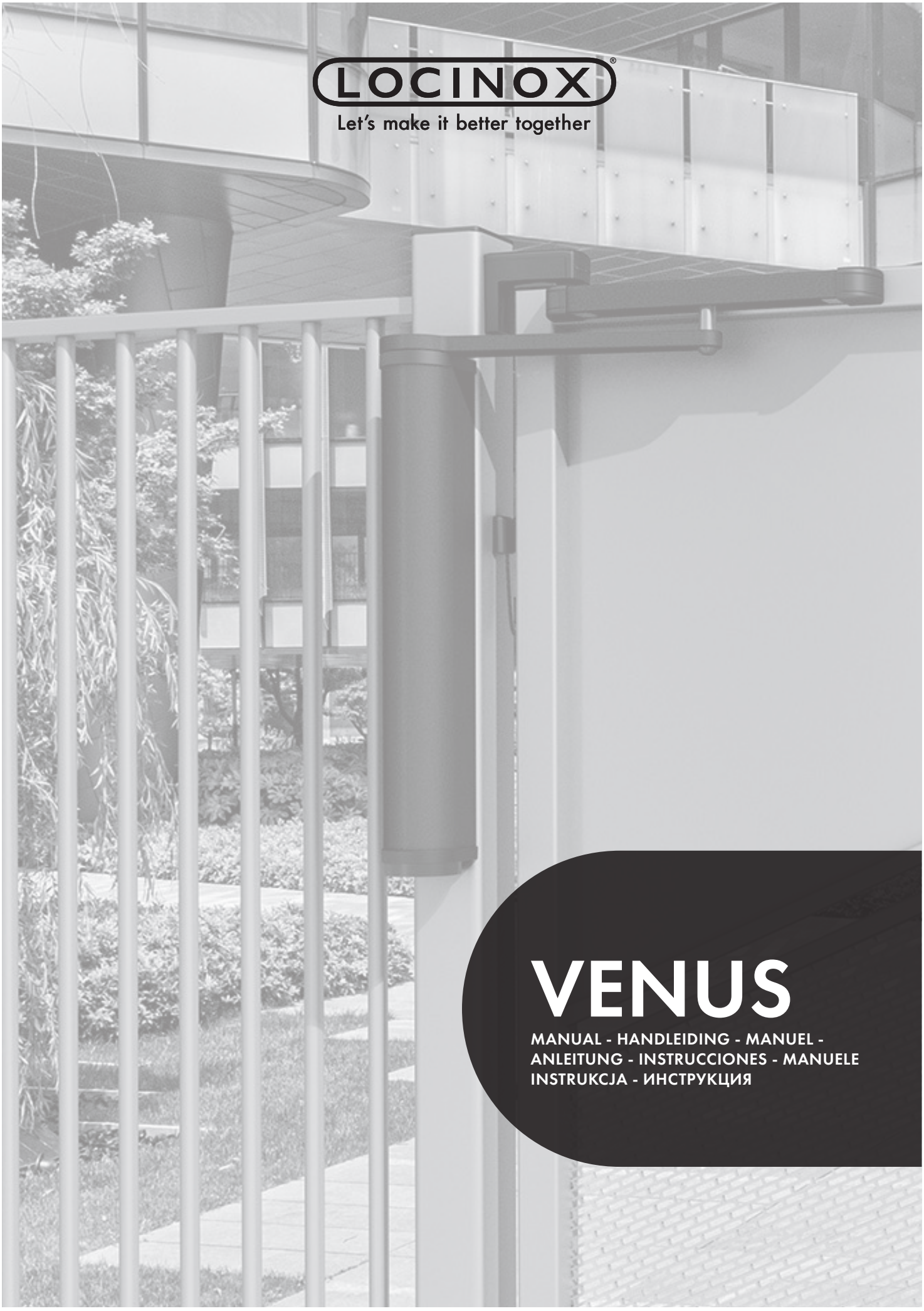

LOCINOX®

Let's make it better together

VENUS

MANUAL - HANDLEIDING - MANUEL -
ANLEITUNG - INSTRUCCIONES - MANUELE
INSTRUKCJA - ИНСТРУКЦИЯ

FCC statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION:

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjuntion with any other antenna or transmitter.

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TECHNICAL SUPPORT

If you require any additional information or assistance during the installation, please contact your dealer, who will be able to provide the latest information. Alternatively, you can visit the Locinox website for more technical information or e-mail us on info@locinox.com. Please keep the serial number at hand of your product for future support.

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2025-07-02- rev 5

CE

EN

Safety and installation notices

- Locinox declines all liability caused by improper use or use other than that for which the automated system was intended.
- Do not install the equipment in an explosive atmosphere: the presence of inflammable gas or fumes is a serious danger to safety.
- Connection to the power supply must be made by a professional electrician. Cut off the mains power supply before installation or maintenance interventions.
- The safety of this equipment is only guaranteed when it is effectively earthed in conformity with current safety standards and regulations.
- Respect the minimum cable sections for the power and signal cables.
- Prepare suitable piping and ducts for routing the electrical cables, ensuring protection against mechanical damage.
- The gate structure should be solid and suitable. If necessary, add suitable reinforcement at the anchoring points. The use of a steel gate post with a thickness of 3mm is recommended, minimum 2mm. Aluminum gate post requires a thickness of 5mm.
- The hinges should be in good condition and greased, bearing hinges are recommended. The forces on the gate hinges can be high during fast and powerful gate movements. It is recommended to add a safety cable and oversize the gate hinges.
- The gate should be placed level. Do not install on tilted gates.
- The Venus operator arm should be installed on the top side. Do not install the product upside down.
- Ensure there is a stop installed in the closed position. An opening stop is not mandatory, but recommended.
- Guarantee sufficient distance between the moving gate and the gate post to avoid finger entrapment.
- Venus can be configured using a mobile application via a Wi-Fi connection. To download the application, scan the QR code provided on the product or refer to the last step in the installation manual. Follow the app's instructions to configure the motor.
- Follow the current status of directives, standards and country-specific regulations.
- Europe: EN16005 / US: ANSI 156.19
- In compliance with Machine Directive 2006/42/EC, a risk analysis must be performed and automated gate identified in accordance with CE Marking directive 93/68/EEC before the system is commissioned.

Product description

Models

- **VENUS-S:**
Reversible motor for pedestrian gates with integrated electronics including sliding arm

- **VENUS-A:**
Reversible motor for pedestrian gates with integrated electronics including articulated arm

- **VENUS-G:**
Reversible motor for pedestrian gates with integrated electronics, including compact arm for 180° hinges

Accessories

- **VENUS-ARM-S:**
Sliding arm for the Venus motor

- **VENUS-ARM-A:**
Articulated arm for the Venus motor

- **VENUS-ARM-G:**
Compact arm for the Venus motor

- **VENUS-RAIL:**
Accessory for VENUS-S and VENUS-A in combination with 180° hinges

- **VENUS-ADAPTERPLATE:**
Adapter plate for mounting on wall or 60 mm post

Intended use

The Venus gate motor is designed for the automatic opening and closing of pedestrian swing gates and outdoor use. This is a reversible motor, so an (electric) lock is mandatory.
The operating speed is limited to low-energy settings according EN16005 and ANSI 156.19 standards. Any improper use, as well as modifications to the products, is not permitted.

DE

Wichtige Installations- und Sicherheitshinweise

- Locinox lehnt jede Haftung ab, die durch unsachgemäßen oder anderen als den vorgesehenen Gebrauch des automatisierten Systems verursacht wird.
- Installieren Sie das Gerät nicht in einer explosionsfähigen Atmosphäre: Das Vorhandensein entzündlicher Gase oder Dämpfe stellt eine ernsthafte Gefahr für die Sicherheit dar.
- Die Festinstallation an ein Stromversorgungsnetz darf nur von einer Elektrofachkraft vorgenommen werden. Unterbrechen Sie vor Installations- oder Wartungsarbeiten die Netzstromversorgung.
- Die Sicherheit dieses Geräts ist nur gewährleistet, wenn es gemäß den geltenden Sicherheitsstandards und -vorschriften ordnungsgemäß geerdet ist.
- Beachten Sie die Mindestkabelquerschnitte für die Strom- und Signalkabel.
- Bereiten Sie geeignete Rohrleitungen und Kanäle für die Verlegung der elektrischen Kabel vor, um diese vor mechanischen Beschädigungen zu schützen.
- Die Torstruktur sollte solide und geeignet sein. Bringen Sie bei Bedarf geeignete Verstärkungen an den Verankerungspunkten an. Es wird empfohlen, einen Torpfosten aus Stahl mit einer Stärke von 3 mm zu verwenden, mindestens 2 mm. Aluminiumtorpfosten erfordern einer Stärke von 5 mm.
- Die Torbänder sollten in einem guten Zustand und gefettet sein, empfohlen werden. Die Kräfte auf die Torbänder können bei schnellen und kraftvollen Torbewegungen hoch sein. Es wird empfohlen, ein Sicherheitskabel hinzuzufügen und die Torbänder zu überdimensionieren.
- Das Tor sollte waagerecht öffnen und schließen. Nicht an steigenden Toren montieren.
- Der Venus-Bedienarm sollte auf der Oberseite montiert werden. Der Venus darf nicht auf dem Kopf montiert werden.
- Es muss sichergestellt werden, dass ein Anschlag in der geschlossenen Position installiert ist. Ein mechanischer Endanschlag in der offen Position ist nicht zwingend erforderlich, wird allerdings empfohlen.
- Venus kann über eine mobile Anwendung über eine WLAN-Verbindung konfiguriert werden. Um die Anwendung herunterzuladen, scannen Sie den QR-Code auf dem Produkt oder befolgen Sie den letzten Schritt in der Installationsanleitung. Folgen Sie den Anweisungen der App, um den Motor zu konfigurieren.
- Sorgen Sie für einen ausreichenden Abstand (min. 25mm) zwischen dem beweglichen Tor und dem Torpfosten, um zu verhindern, dass Finger eingeklemmt werden.
- Informieren Sie sich über den aktuellen Stand der Richtlinien, Normen und länderspezifischen Vorschriften. Europa: EN16005 / USA: ANSI 156.19
- Gemäß der Maschinenrichtlinie 2006/42/EG muss vor der Inbetriebnahme der Anlage eine Risikoanalyse durchgeführt und das automatisierte Tor gemäß der CE-Kennzeichnungsrichtlinie 93/68/EWG identifiziert werden.

Produktbeschreibung

Modelle

- **VENUS-S:**
Umschaltbarer Motor für Personendrehtore mit integrierter Elektronik einschließlich Gleitarm

- **VENUS-A:**
Umschaltbarer Motor für Personendrehtore mit integrierter Elektronik einschließlich Gelenkarm

- **VENUS-G:**
Umschaltbarer Motor für Personendrehtore mit integrierter Elektronik einschließlich kompaktem Arm für 180°-Scharnieren

Zubehör

- **VENUS-ARM-S :**
Gleitarm für den Venus-Motor

- **VENUS-ARM-A :**
Gelenkarm für den Venus-Motor

- **VENUS-ARM-G:**
Kompaktem Arm für den Venus-Motor

- **VENUS-RAIL:**
Zubehör für VENUS-S und VENUS-A in Kombination mit 180°-Scharnieren

- **VENUS-ADAPTERPLATE:**
Adapterplatte für die Montage an 60 mm Wand oder Pfosten

Verwendungszweck

Der Venus-Tormotor ist für das automatische Öffnen und Schließen von Personendrehtoren und für den Außenbereich konzipiert. Es handelt sich um einen umkehrbaren Motor, der ein (elektrisches) Schloss erfordert.
Die Betriebsgeschwindigkeit ist gemäß den Normen EN16005 und ANSI 156.19 auf niedrige Energieeinstellungen begrenzt.
Jede unsachgemäße Verwendung sowie Veränderungen an den Produkten sind nicht gestattet.

NL

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 geaard 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 versteviging aan bij de verankeringspunten. Het gebruik van een stalen poortpaal met een dikte van 3 mm wordt aanbevolen, minimaal 2 mm. Aluminium poortpalen vereisen een dikte van 5 mm.
- De scharnieren moeten in goede staat en ingevet zijn. Lagerscharnieren worden aanbevolen. De krachten op de poortscharnieren kunnen hoog zijn tijdens snelle en krachtige bewegingen van de poort. Het wordt aanbevolen om een veiligheidskabel toe te voegen en de poortscharnieren te overdimensioneren.
- 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.
- Venus kan worden geconfigureerd met behulp van een mobiele applicatie via een Wi-Fi-verbinding. Om de applicatie te downloaden, scant u de QR-code op het product of raadpleegt u de laatste stap in de installatiehandleiding. Volg de instructies van de app om de motor te configureren.
- 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 voetgangerspoorten met geïntegreerde elektronica inclusief schuifarm

- **VENUS-A:**
Omkeerbare motor voor voetgangerspoorten met geïntegreerde elektronica inclusief scharnierarm

- **VENUS-G:**
Omkeerbare motor voor voetgangerspoorten met geïntegreerde elektronica inclusief compacte arm voor 180°-scharnieren

Accessoires

- **VENUS-ARM-S:**
schuifarm voor de Venus-motor

- **VENUS-ARM-A:**
scharnierarm voor de Venus-motor

- **VENUS-ARM-G:**
Compacte arm voor de Venus-motor

- **VENUS-RAIL:**
Accessoire voor VENUS-S en VENUS-A in combinatie met 180°-scharnieren

- **VENUS-ADAPTERPLATE:**
Adapterplaat voor montage op muur of 60 mm paal

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.

FR

Consignes d'installation et de sécurité importantes

- Locinox décline toute responsabilité en cas d'utilisation inappropriée ou d'une utilisation autre que celle pour laquelle le système automatisé a été conçu.
- Ne pas installer l'équipement dans une atmosphère explosive : la présence de gaz ou de fumées inflammables constitue un grave danger pour la sécurité.
- Le raccordement à l'alimentation électrique doit être effectué par un électricien. Couper l'alimentation électrique avant toute intervention d'installation ou de maintenance.
- La sécurité de cet équipement n'est garantie que s'il est effectivement relié à la terre conformément aux normes et réglementations de sécurité en vigueur.
- Respecter les sections minimales de câbles pour les câbles d'alimentation et de signal.
- Préparer des gaines et des conduits appropriés pour l'acheminement des câbles électriques, en veillant à les protéger des dommages d'ordre mécaniques.
- La structure du portail doit être solide et adaptée. Ajouter, si nécessaire, un renforcement adéquat aux points d'ancrage. L'utilisation d'un poteau de portail en acier d'une épaisseur de 3 mm est recommandée, au minimum 2 mm. Les poteaux de portail en aluminium nécessitent une épaisseur de 5 mm.
- Les charnières doivent être en bon état et graissées ; les charnières à billes sont recommandées. Les forces sur les charnières de portail peuvent être élevées lors de mouvements rapides et puissants du portail. Il est recommandé d'ajouter un câble de sécurité et de surdimensionner les charnières du portail.
- Le portail doit être placé de niveau. Ne pas installer sur des portails inclinés.
- Le bras opérateur Venus doit être installé sur la face supérieure. Ne pas installer le produit à l'envers.
- S'assurer qu'une butée est bien installée en position fermée. Un arrêt d'ouverture n'est pas obligatoire, mais recommandé.
- Venus peut être configuré à l'aide d'une application mobile via une connexion Wi-Fi. Pour télécharger l'application, scannez le code QR fourni sur le produit ou référez-vous à la dernière étape du manuel d'installation. Suivez les instructions de l'application pour configurer le moteur.
- Garantir un espacement suffisant entre le portail en mouvement et le poteau du portail afin d'éviter tout risque de coincement des doigts.
- Suivre les directives, les normes et les réglementations nationales en vigueur. Europe : EN16005 / US : ANSI 156.19
- Conformément à la directive relative aux machines, directive 2006/42/CE, une analyse des risques doit être réalisée et le portail automatisé identifié conformément à la directive de marquage CE 93/68/CEE avant la mise en service du système.

Description du produit

Modèles

- **VENUS-S :**
Moteur réversible pour portails piétons avec électronique intégrée incluant bras coulissant

- **VENUS-A :**
Moteur réversible pour portails piétons avec électronique intégrée avec bras articulé

- **VENUS-G:**
Moteur réversible pour portails piétons avec électronique intégrée incluant bras compact pour des charnières à 180°

Accessoires

- **VENUS-ARM-S :**
Bras coulissant pour moteur Venus

- **VENUS-ARM-A :**
Bras articulé pour moteur Venus

- **VENUS-ARM-G:**
Bras compact pour moteur Venus

- **VENUS-RAIL:**
Accessoire pour VENUS-S et VENUS-A en combinaison avec des charnières à 180°

- **VENUS-ADAPTERPLATE:**
Plaque d'adaptation pour montage sur mur ou poteau de 60 mm

Utilisation prévue

Le moteur de portail Venus est conçu pour l'ouverture et la fermeture automatique des portails battants piétons et pour un usage extérieur. Il s'agit d'un moteur réversible qui nécessite un verrou (électrique). La vitesse de fonctionnement est limitée aux réglages à faible consommation d'énergie conformément aux normes EN16005 et ANSI 156.19. Toute utilisation inappropriée ainsi que toute modification des produits ne sont pas autorisées.

CE

ES

Avisos importantes de instalación y seguridad

- Locinox declina toda responsabilidad derivada de un uso inadecuado o distinto al previsto del sistema automatizado.
- No instalar el equipo en una atmósfera explosiva: la presencia de gases o humos inflamables supone un grave peligro para la seguridad.
- La conexión a la fuente de alimentación debe ser realizada por un electricista profesional. Se debe cortar la alimentación eléctrica antes de realizar intervenciones de instalación o mantenimiento.
- La seguridad de este equipo sólo está garantizada cuando está efectivamente conectado a tierra de conformidad con las normas y reglamentos de seguridad vigentes.
- Se deben respetar las secciones mínimas de los cables de alimentación y señal.
- Preparar tuberías y conductos adecuados para el paso de los cables eléctricos, para garantizar la protección contra daños mecánicos.
- La estructura de la puerta debe ser sólida y apropiada. Si es necesario, añadir refuerzos adecuados en los puntos de anclaje. Se recomienda el uso de un poste de puerta de acero con un grosor de 3 mm, como mínimo 2 mm. Los postes de puerta de aluminio requieren un grosor de 5 mm.
- Las bisagras deben estar en buen estado y engrasadas; se recomienda usar bisagras con cojinetes. Las fuerzas sobre las bisagras de la puerta pueden ser altas durante movimientos rápidos y potentes de la puerta. Se recomienda agregar un cable de seguridad y sobredimensionar las bisagras de la puerta.
- La puerta debe colocarse nivelada. No instalar en puertas inclinadas.
- El operador de brazo de Venus debe instalarse en la parte superior. No instalar el producto boca abajo.
- Asegurarse de que haya un tope instalado en la posición cerrada. Un tope de apertura no es obligatorio, pero sí recomendable.
- Venus se puede configurar mediante una aplicación móvil a través de una conexión Wi-Fi. Para descargar la aplicación, escanee el código QR proporcionado en el producto o consulte el último paso en el manual de instalación. Siga las instrucciones de la aplicación para configurar el motor.
- Garantizar una distancia suficiente entre la puerta móvil y el poste de la puerta para evitar pillarse los dedos.
- Se debe seguir el estado actual de las directivas, normas y regulaciones específicas de cada país. Europa: EN16005 / EE. UU.: ANSI 156.19
- De conformidad con la Directiva 2006/42/CE relativa a las máquinas, se debe realizar un análisis de riesgos e identificar la puerta automatizada de acuerdo con la Directiva de marcado 93/68/CEE de la CE antes de poner en servicio el sistema.

Descripción del producto

Modelos

- **VENUS-S:**
Motor reversible para puertas peatonales con electrónica integrada y brazo deslizante

- **VENUS-A:**
Motor reversible para puertas peatonales con electrónica integrada y brazo articulado

- **VENUS-G:**
Motor reversible para puertas peatonales con electrónica integrada y brazo compacto para bisagras de 180°

Accesorios

- **VENUS-ARM-S:**
Brazo deslizante para el motor Venus

- **VENUS-ARM-A:**
Brazo articulado para el motor Venus

- **VENUS-ARM-G:**
Brazo compacto para el motor Venus

- **VENUS-RAIL:**
Accesorio para el VENUS-S y VENUS-A en combinación con bisagras de 180°

- **VENUS-ADAPTERPLATE:**
Placa adaptadora para montaje en pared o poste de 60 mm

Uso previsto

El motor de puerta Venus está diseñado para la apertura y cierre automático de puertas batientes para peatones y uso en exteriores. Se trata de un motor reversible que requiere una cerradura eléctrica externa o una cerradura electromagnética. La velocidad de funcionamiento está limitada a configuraciones de baja energía según las normas EN16005 y ANSI 156.19. No se permite ningún uso indebido ni modificaciones de los productos.

PL

Ważne uwagi dotyczące instalacji i bezpieczeństwa

- Locinox zrzeka się wszelkiej odpowiedzialności spowodowanej niewłaściwym użytkowaniem lub użytkowaniem innym niż to, do którego zautomatyzowany system jest przeznaczony.
- Nie instalować urządzenia w atmosferze wybuchowej: obecność łatwopalnego gazu lub oparów stanowi poważne zagrożenie dla bezpieczeństwa.
- Podłączenie do sieci elektrycznej musi wykonać wykwalifikowany elektryk. Przed przystąpieniem do instalacji lub konserwacji należy odłączyć zasilanie sieciowe.
- Bezpieczeństwo tego sprzętu jest gwarantowane tylko wtedy, gdy jest on skutecznie uziemiony zgodnie z obowiązującymi normami i przepisami bezpieczeństwa.
- Należy przestrzegać minimalnych wymagań dotyczących przekrojów kabli zasilających i sygnałowych.
- Należy przygotować odpowiednie rurki i kanały do poprowadzenia kabli elektrycznych, aby zapewnić ochronę przed uszkodzeniami mechanicznymi.
- Konstrukcja furtki powinna być odpowiednia I solidna. Jeśli to konieczne, należy zastosować odpowiednie wzmocnienie w punktach mocowania. Zalecany jest montaż na stalowym profilu o grubości 3 mm, minimum 2 mm. Słupki bramowe aluminiowe wymagają grubości 5 mm.
- Zawiasy powinny być w dobrym stanie i nasmarowane; zalecane są zawiasy łożyskowe. Siły działające na zawiasy bramy mogą być duże podczas szybkich i silnych ruchów bramy. Zaleca się dodanie linki bezpieczeństwa i zastosowanie zawiasów o większej wytrzymałości niż parametry bramy.
- Ramię urządzenia Venus należy zamontować na górze. Nie instalować produktu odwrotnie.
- Brama musi posiadać fizyczny ogranicznik zatrzymujący ją w pozycji zamkniętej. Zalecany jest ogranicznik bramy w pozycji otwartej.
- Venus można skonfigurować za pomocą aplikacji mobilnej poprzez połączenie Wi-Fi. Aby pobrać aplikację, zeskanuj kod QR dostarczony na produkcie lub odwołaj się do ostatniego kroku w instrukcji instalacji. Postępuj zgodnie z instrukcjami aplikacji, aby skonfigurować silnik.
- Należy zapewnić wystarczającą odległość pomiędzy ruchomą częścią furtki a słupkiem bramowym, aby uniknąć przytrzaśnięcia palców.
- Należy śledzić aktualny stan dyrektyw, norm i przepisów krajowych. Europa: EN16005 / USA: ANSI 156.19
- Zgodnie z dyrektywą maszynową 2006/42/WE przed uruchomieniem systemu należy przeprowadzić analizę ryzyka i zidentyfikować bramę automatyczną zgodnie z dyrektywą dotyczącą oznakowania CE 93/68/EWG.

Opis produktu

Modele

- **VENUS-S:**
Silnik rewersyjny do furtek ze zintegrowaną elektroniką i ramieniem przesuwnym.

- **VENUS-A:**
Silnik rewersyjny do furtek ze zintegrowaną elektroniką i ramieniem przegubowym.

- **VENUS-G:**
Silnik rewersyjny do furtek ze zintegrowaną elektroniką i ramieniem kompaktowym z zawiasami 180°

Akcesoria

- **VENUS-ARM-S:**
ramię przesuwne do silnika Venus

- **VENUS-ARM-A:**
ramię przegubowe do silnika Venus

- **VENUS-ARM-G:**
Ramię kompaktowe do silnika Venus

- **VENUS-RAIL:**
Akcesoria do VENUS-S i VENUS-A w połączeniu z zawiasami 180°

- **VENUS-ADAPTERPLATE:**
Płyta adaptacyjna do montażu na ścianie lub słupku 60 mm

Przeznaczenie

Silnik Venus przeznaczony jest do automatycznego otwierania i zamykania furtek oraz do użytku na zewnątrz. Jest to silnik rewersyjny, który wymaga (elektrycznego) zamka. Prędkość robocza jest ograniczona do ustawień niskiego zużycia energii zgodnie z normami EN16005 i ANSI 156.19. Jakiekolwiek niewłaściwe użycie, a także modyfikacje produktów są niedozwolone.

RU

Важные указания по установке и безопасности

- Locinox снимает с себя всякую ответственность, вызванную неправильным использованием или использованием, отличным от того, для которого автоматизированная система была предназначена.
- Не устанавливайте оборудование во взрывоопасной среде: наличие горючих газов или паров представляет собой серьезную угрозу безопасности.
- Подключение к электросети должно производиться профессиональным электриком. Перед выполнением работ по установке или техническому обслуживанию отключите электропитание.
- Безопасность этого оборудования гарантируется только в том случае, если оно надежно заземлено в соответствии с действующими стандартами и правилами безопасности.
- Соблюдайте минимальные сечения силовых и сигнальных кабелей.
- Подготовьте подходящие трубопроводы и каналы для прокладки электрических кабелей, обеспечив защиту от механических повреждений.
- Конструкция ворот должна быть прочной и подходящей. При необходимости добавьте подходящее усиление в точках крепления. Рекомендуется использовать стальной столб для ворот толщиной 3 мм, минимум 2 мм. Алюминиевые столбы ворот требуют толщины 5 мм.
- Петли должны быть в хорошем состоянии и смазаны, рекомендуется использовать петли с подшипниками. Силы, действующие на петли ворот, могут быть высокими во время быстрых и мощных движений ворот. Рекомендуется добавить безопасный кабель и увеличить размер петель ворот.
- Ворота должны располагаться ровно. Не устанавливайте на наклонные ворота.
- Рычаг оператора Venus должен быть установлен на верхней стороне. Не устанавливайте изделие в перевернутом положении.
- Убедитесь, что установлено ограничение в закрытом положении. Ограничитель на открывание не является обязательным, но рекомендуется.
- Венера может быть настроена с помощью мобильного приложения через Wi-Fi-соединение. Чтобы загрузить приложение, отсканируйте QR-код, предоставленный на продукте, или обратитесь к последнему шагу в руководстве по установке. Следуйте инструкциям приложения для настройки двигателя.
- Обеспечьте достаточное расстояние между движущимися воротами и столбом, чтобы избежать защемления пальцев.
- Следите за текущим статусом директив, стандартов и правил конкретной страны. Европа: EN16005/США: ANSI 156.19
- В соответствии с Директивой по машинному оборудованию 2006/42/EC перед вводом системы в эксплуатацию необходимо провести анализ рисков и идентифицировать автоматические ворота в соответствии с Директивой о маркировке CE 93/68/EEC.

wОписание продукта

Модели

- **VENUS-S:**
Реверсивный двигатель для пешеходных ворот с интегрированной электроникой, включая сдвижной рычаг.

- **VENUS-A:**
Реверсивный двигатель для пешеходных ворот с интегрированной электроникой, включая шарнирный рычаг.

- **VENUS-G:**
Реверсивный двигатель для пешеходных ворот с интегрированной электроникой, включая компактным шарнирным петлями на 180°

Аксессуары

- **VENUS-ARM-S :**
Скользящий рычаг для двигателя Venus.

- **VENUS-ARM-A :**
Шарнирный рычаг для двигателя Venus.

- **VENUS-ARM-G:**
Компактным шарнирным для двигателя Venus

- **VENUS-RAIL:**
Принадлежность для VENUS-S и VENUS-A в сочетании с петлями 180°

- **VENUS-ADAPTERPLATE:**
Переходная пластина для монтажа на стене или столбе 60 мм

Использование по назначению

Привод для ворот Venus предназначен для автоматического открывания и закрывания распашных пешеходных ворот и использования снаружи. Это реверсивный двигатель, требуется (электрический) замок. Рабочая скорость ограничена настройками низкого энергопотребления в соответствии со стандартами EN16005 и ANSI 156.19. Любое ненадлежащее использование, а также модификация продукции не допускаются.

IT

Avvisi di sicurezza e installazione

- Locinox declina ogni responsabilità derivante da un uso improprio o diverso da quello per cui il sistema automatizzato è stato concepito
- Non installare l'apparecchiatura in un'atmosfera esplosiva: la presenza di gas o vapori infiammabili costituisce un grave pericolo per la sicurezza
- Il collegamento alla rete elettrica deve essere effettuato da un elettricista professionista. Interrompere l'alimentazione di rete prima di effettuare eventuali interventi di installazione o manutenzione.
- La sicurezza di questa apparecchiatura è garantita solo quando la stessa è efficacemente collegata a terra in conformità alle norme e ai regolamenti di sicurezza vigenti.
- Rispettare le sezioni minime dei cavi di alimentazione e di segnale.
- Assicurarsi di predisporre tubazioni e condotti adeguati per il passaggio dei cavi elettrici, in modo da garantire la protezione contro danni meccanici.
- "La struttura del cancello deve essere robusta e adeguata allo scopo. Se necessario, aggiungere rinforzi idonei in corrispondenza dei punti di ancoraggio. Si raccomanda l'uso di un montante in acciaio con uno spessore di 3 mm, minimo 2 mm. Il montante del cancello in alluminio richiede uno spessore di 5 mm."
- Le cerniere devono essere in condizioni ottimali e lubrificate; si raccomanda l'uso di cerniere a cuscinetto. È importante tenere presente che durante movimenti rapidi ed energici del cancello, le sollecitazioni sulle cerniere possono essere elevate. Pertanto, si raccomanda di installare un cavo di sicurezza e di sovradimensionare le cerniere del cancello.
- Il cancello deve essere posizionato in piano. Evitare l'installazione su cancelli inclinati.
- L'installazione del braccio operatore Venus dovrebbe essere effettuata sul lato superiore. Assicurarsi di non installare il prodotto capovolto.
- Assicurarsi che sia installato un fermo in posizione di chiusura. Sebbene non sia obbligatorio, si consiglia di installare un fermo di apertura.
- Garantire una distanza sufficiente tra il cancello in movimento e il montante del cancello per evitare il rischio di intrappolamento delle dita.
- Venus può essere configurato tramite un'applicazione mobile tramite una connessione Wi-Fi. Per scaricare l'applicazione, scansiona il codice QR fornito sul prodotto o consulta l'ultimo passo nel manuale di installazione. Segui le istruzioni dell'app per configurare il motore.
- Assicurarsi di osservare costantemente lo stato attuale delle direttive, degli standard e dei regolamenti specifici del paese.
- Europa: EN16005 / USA: ANSI 156.19
- In conformità alla Direttiva Macchine 2006/42/CE, è necessario eseguire un'analisi dei rischi e identificare il cancello automatizzato in conformità alla Direttiva sulla marcatura CE 93/68/CEE prima di procedere con la messa in funzione del sistema.

Descrizione del prodotto

Modelli

- **VENUS-S :**
Motore reversibile per cancelli pedonali con elettronica integrata e braccio scorrevole incluso

- **VENUS-A :**
Motore reversibile per cancelli pedonali con elettronica integrata e braccio snodabile inclus

- **VENUS-G:**
Motore reversibile per cancelli pedonali con elettronica integrata, completo di braccio compatto per cerniere a 180°

Accessori

- **VENUS-ARM-S :**
braccio scorrevole per il motore Venus

- **VENUS-ARM-A :**
braccio articolato per il motore Venus

- **VENUS-ARM-G:**
braccio compatto per il motore Venus

- **VENUS-RAIL:**
accessorio per VENUS-S e VENUS-A in combinazione con cerniere a 180°

- **VENUS-ADAPTERPLATE:**
piastra di adattamento per il montaggio a parete o su montante da 60 mm

Destinazione d'uso

Il motore per cancello Venus è appositamente progettato per l'apertura e la chiusura automatica di cancelli pedonali a battente e per l'uso in ambienti esterni. Trattandosi di un motore reversibile, è necessario utilizzare una serratura (elettronica). Il motore è configurato per operare a una velocità limitata in conformità con gli standard EN16005 e ANSI 156.19 relativi alle impostazioni a basso consumo energetico. Non è consentito alcun uso improprio né eventuali modifiche ai prodotti.

CE

Technical specifications, Technische Spezifikationen, Technische specificaties, Especificaciones técnicas, Spécifications techniques, Specyfikacja techniczna, Технические характеристики, Specifiche tecniche

Power supply (V) / Stromversorgung / Stroomvoorziening / Fuente de alimentación / Alimentation électrique / Zasilanie / Источник питания / Alimentazione	110 - 240V AC (50/60Hz)
Motor voltage (V) / Motorspannung / Motorspanning / Voltaje del motor / Tension du moteur / Napięcie silnika / Напряжение двигателя / Tensione motore	24V DC
Nominal power / excl output power (W) / Nennleistung / ohne Ausgangsleistung / Nominaal vermogen / excl. uitgangsvermogen / Potencia nominal / excluida la potencia de salida / Puissance nominale / hors puissance de sortie / Moc nominalna / bez mocy wyjściowej / Номинальная мощность / исключая выходную мощность / Potenza nominale	50 W
Max motor torque (Nm) / Maximales Motordrehmoment / Maximale motorkoppel / Par máximo del motor / Couple moteur maximum / Maksymalny moment obrotowy silnika / Максимальный крутящий момент двигателя / Coppia massima del motore	150 Nm
Operating temperature range (°C) / Betriebstemperaturbereich / Bereik werkingstemperatuur / Rango de temperatura de funcionamiento / Plage de température de fonctionnement / Zakres temperatury pracy / Диапазон рабочих температур / Intervallo di temperatura operativa	-30°C ÷ 70°C
Opening time to 90° (s) / Öffnungszeit bis 90° / Openingstijd tot 90° / Tiempo de apertura a 90° / Temps d'ouverture à 90° / Czas otwarcia do 90° / Время открытия до 90° / Tempo di apertura a 90°	> 3 sec
Degree of protection / Schutzgrad / Mate van bescherming / Grado de protección / Degré de protection / Stopień ochrony / Степень защиты / Grado di protezione	IP 54
Weight excluding arm (kg) / Gewicht ohne Arm / Gewicht exclusief arm / Peso sin brazo / Poids sans le bras / Waga bez ramienia / Вес без рукоятки / Peso senza braccio	6.1 kg

CE

EN Connection scheme

'Locinox' installation app required for initialization and configuration
1. 110-240V AC ±10% 50/60Hz
2. 3 programmable inputs:
   - Activation device (N.O. / N.C.)
   - Safety device (N.C. / N.O. / 8K2)
3. 3 programmable outputs:
   - Electric lock (Fail Open / Fail Close)
   - Flashlight / light with timer
   - 24V DC AUX

Maximum power per output:
1.6A = 38W (24V)
Maximum total power for output
1+2+3: 2A = 48W (24V)

DE Anschlussplan

Zur Initialisierung und Konfiguration ist die „Locinox"-Installations-App erforderlich.
1. 110-240V AC ±10% 50/60Hz3.
2 programmierbare Eingaben

   - Aktivierungsgerät (N.O. / N.C.)
   - Sicherheitsvorrichtung (N.C. / N.O. / 8K2)

3. 3 programmierbare Ausgaben

   - Elektroschloss (Stromlos geöffnet / Stromlos geschlossen)
   - Taschenlampe / Licht mit Timer
   - 24V DC AUX

Maximale Leistung pro Ausgang:
1,6A = 38W (24V)
Maximale Gesamtleistung für Ausgang
1+2+3: 2A = 48W (24V)

NL Aansluitschema

Installatie-app 'Locinox' vereist voor initialisatie en configuratie.
1. 110-240V AC ±10% 50/60Hz
2. 3 programmeerbare ingangen
   - Activeringsapparaat (N.O. / N.C.)
   - Veiligheidsapparaat (N.C. / N.O. / 8K2)
3. 3 programmeerbare uitgangen
   - Elektrisch slot (Normaal Open/ Normaal Gesloten)
   - Extern waarschuwingslicht / lamp met timer
   - 24 V DC AUX

Maximale vermogen per uitgang:
1,6A = 38W (24V)
Maximale totale vermogen voor uitgang 1+2+3: 2A = 48W (24V)

FR Schéma de connexion

L'application d'installation « Locinox » App est requise pour l'initialisation et la configuration.
1. 110-240V AC ±10% 50/60Hz
2. 3 entrées programmables :
   - dispositif d'activation (N.O. / N.F.)
   - Dispositif de sécurité (N.F. / N.O. / 8K2)
3. 3 sorties programmables
   - Serrure électrique (Fonctionnement à rupture/ Fonctionnement à émission)
   - Lumière/lumière avec minuterie
   - 24 V DC AUX

Puissance maximale par sortie
: 1,6A = 38W (24V)
Puissance totale maximale pour sortie 1+2+3 : 2A = 48W (24V)

ES Esquema de conexión

Se requiere la aplicación de instalación "Locinox" para la inicialización y configuración.
1. 110-240V AC ±10% 50/60Hz
2. 3 entradas programables:
   - Dispositivo de activación (N.O. / N.A.)
   - Dispositivo de seguridad (N.A. / N.O. / 8K2)
3. 3 salidas programables
   - Cerradura eléctrica (Pérdida de energía / Impulsión eléctrica)
   - Linterna / luz con temporizador
   - Auxiliar de 24 VCC

Potencia máxima por salida:
1,6A = 38W (24V)
Potencia total máxima para salida
1+2+3: 2A = 48W (24V)

PL Schemat połączenia

Do inicjalizacji i konfiguracji wymagana jest aplikacja instalacyjna „Locinox".
1. 110-240V AC ±10% 50/60Hz
2. 3 programowalne wejścia
   - Urządzenie aktywujące (N.O. / N.C.)
   - Urządzenie zabezpieczające (N.C. / N.O. / 8K2)
3. 3 programowalne wyjścia
   - Zamek elektryczny (Zanik napięcia / Impuls elektryczny)
   - Latarka / oświetlenie z timerem
   - Zasilanie pomocnicze 24 V DC

Maksymalna moc na wyjście:
1,6A = 38W (24V)
Maksymalna moc całkowita dla wyjść 1+2+3: 2A = 48W (24V)

RU Схема подключения

Для инициализации и настройки требуется установочное приложение Locinox.
1. 110-240V AC ±10% 50/60Hz
2. 3 программируемых входа
   - Устройство активации (N.O. / N.C.)
   - Устройство безопасности (N.C. / N.O. / 8K2)
3. 3 программируемых выхода
   - Электрический замок (Пропадание напряжения ведет к автоматическому открыванию/ Пропадание напряжения не приводит к автоматическому открыванию)
   - Фонарик/свет с таймером
   - 24 В постоянного тока, AUX

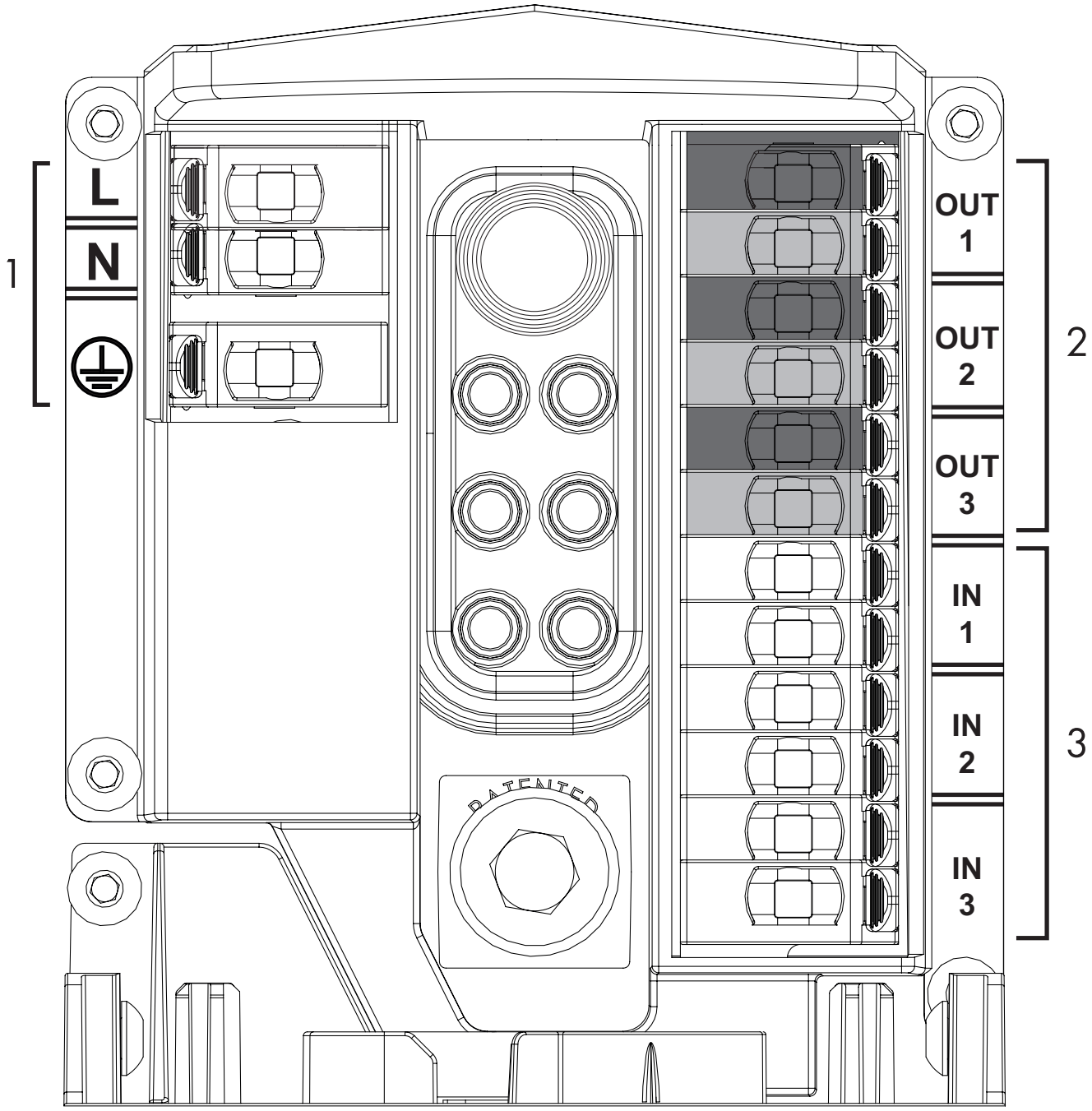
Максимальная мощность на выход: 1,6A = 38Вт (24В)
Максимальная суммарная мощность для выходов 1+2+3: 2A = 48Вт (24В)

IT Schema di collegamento

Per l'inizializzazione e la configurazione è necessaria l'app di installazione "Locinox"
1. 110-240 V CA ±10% 50/60 Hz
2. 3 ingressi programmabili:
   - Dispositivo di attivazione (N.O. / N.A.)
   - Dispositivo di sicurezza (N.A. / N.O. / 8K2)
3. 3 uscite programmabili:
   - Serratura elettronica (Fail Open / Fail Close)
   - Luce lampeggiante / luce con timer
   - 24V DC AUX

Potenza massima per uscita:
1,6A = 38W (24V)
Potenza totale massima per uscita
1+2+3: 2A = 48W (24V)

CE



CE

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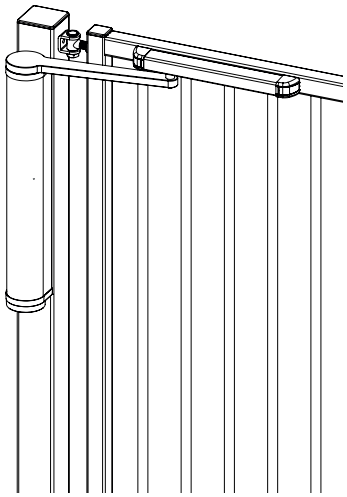
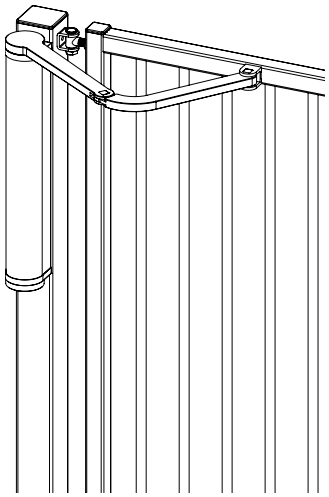
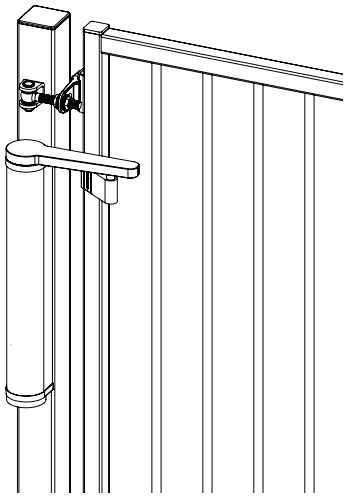
VENUS-S



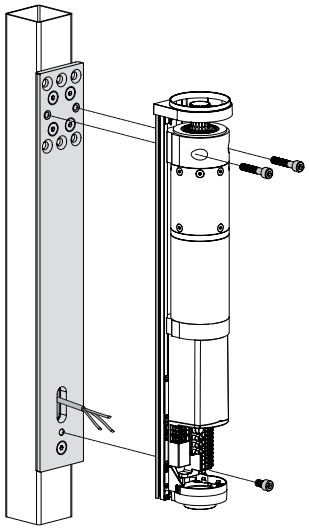
VENUS-A



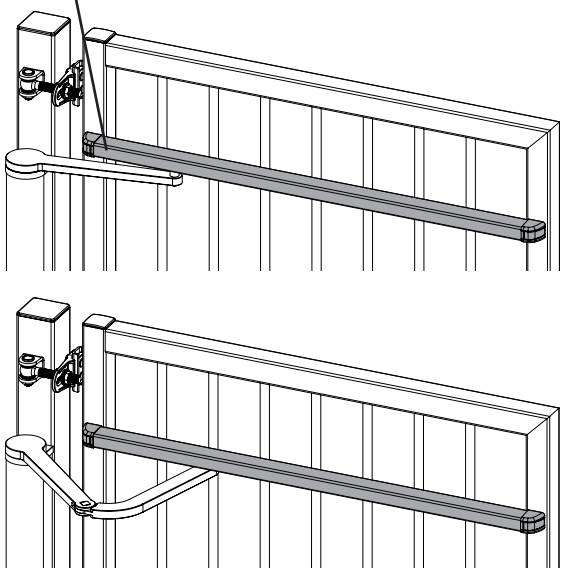
VENUS-G



VENUS-ADAPTERPLATE



VENUS-RAIL



pictures@locinox.com

SUCCESSFUL INSTALLATION?	SUCCESVOLLE INSTALLATIE?	INSTALLATION RÉUSSIE?	ERFOLGREICHE INSTALLATION?	INSTALACION EXITOSA?	UDANA INSTALACJA?	УСПЕШНАЯ УСТАНОВКА?
Please send us your pictures & videos	Stuur gerust uw foto's & video's door	Veuillez nous envoyer vos photos & vidéos	Bitte senden Sie uns Ihre Bilder & Videos	Por favor envíenos sus fotos y videos	Prześlij nam swoje zdjęcia i filmy	Пожалуйста, отправьте нам свой фотографии и видео

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Doc. Nr.: P00017261

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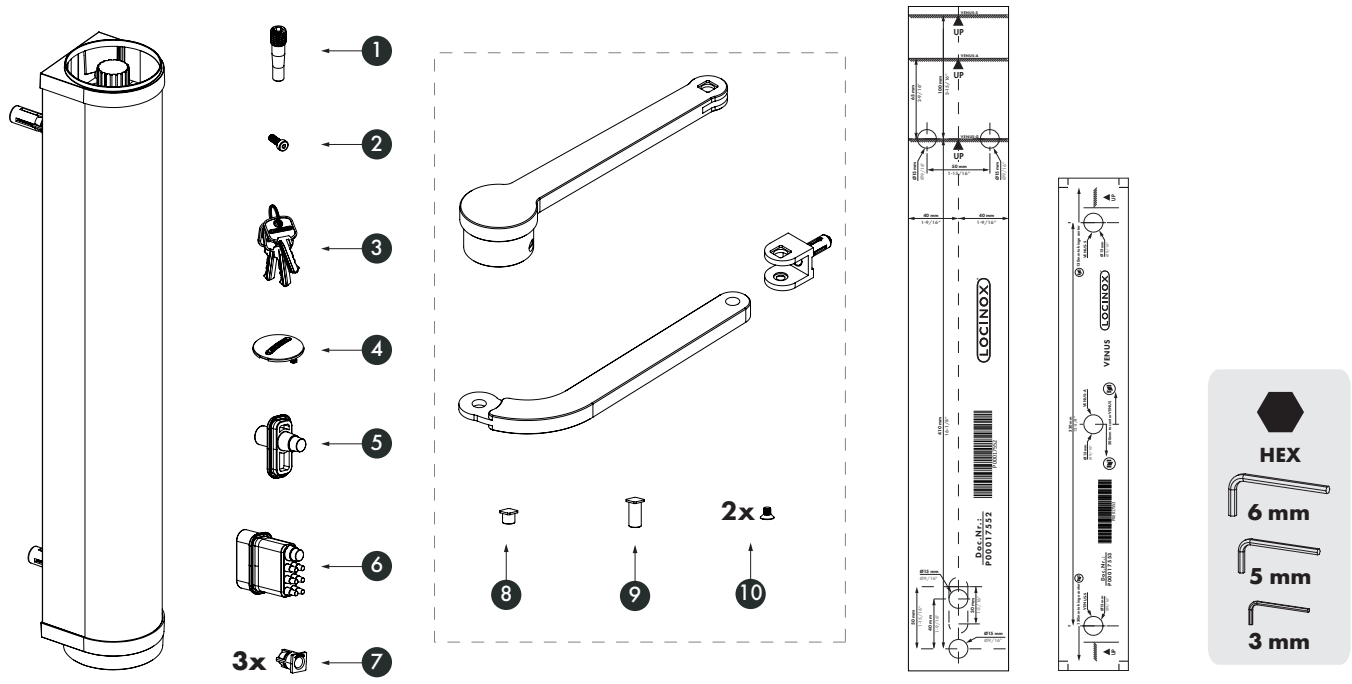
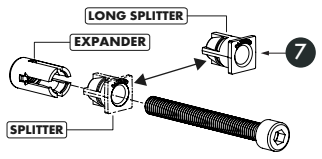
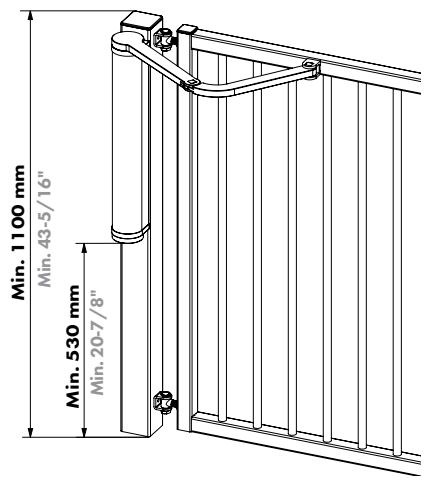
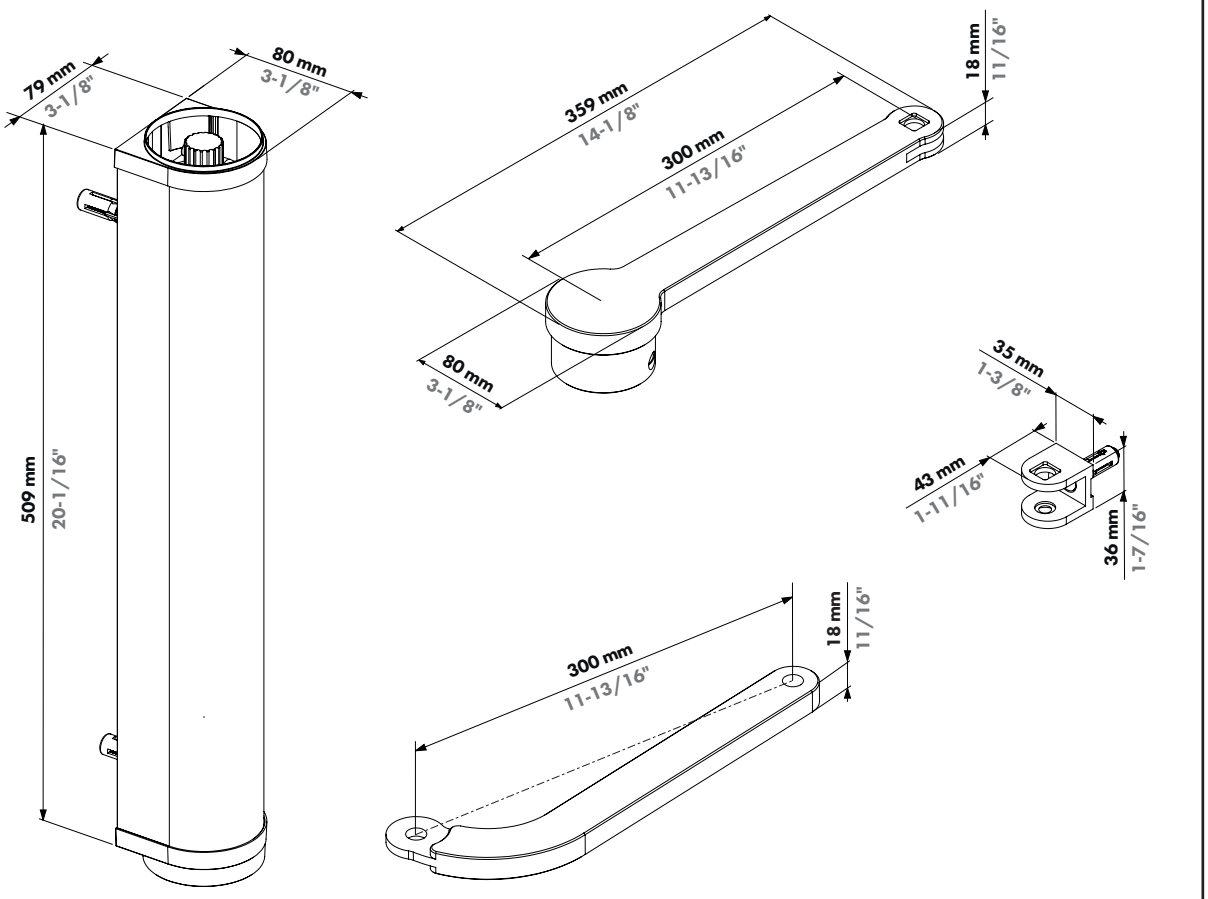
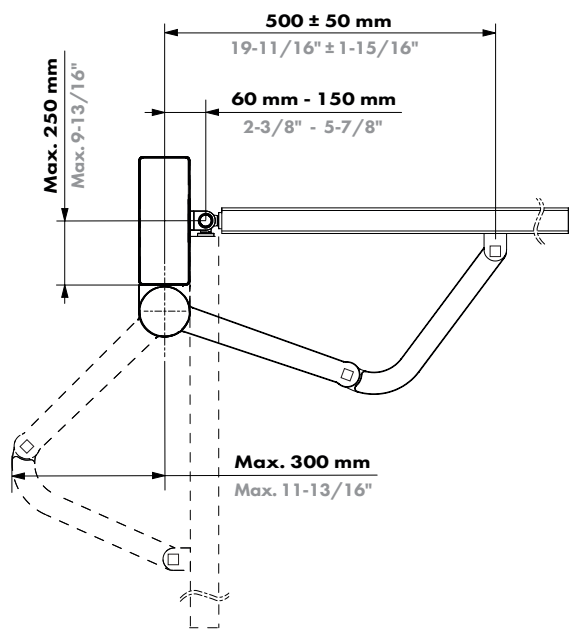


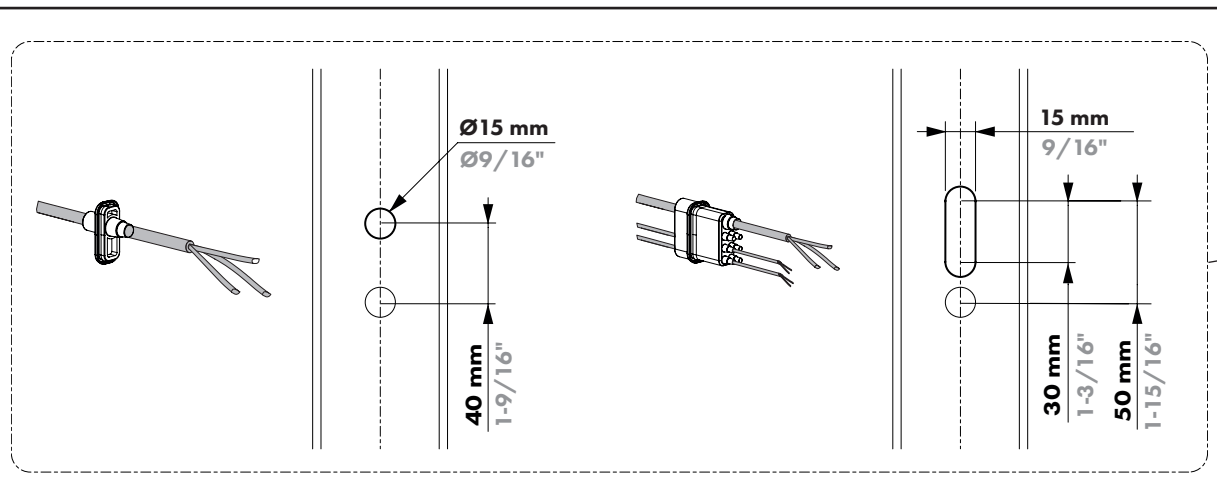
⚠ **CHANGE THE SPLITTER OF THE QUICK-FIX WHEN MOUNTING ON A PROFILE WITH A WALL THICKNESS FROM 5MM(0.200") TO 8MM(0.313")**

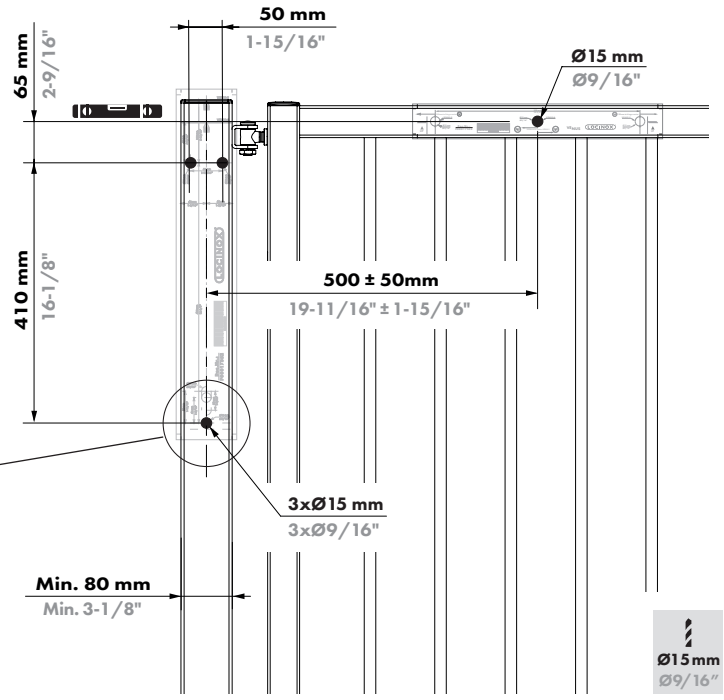












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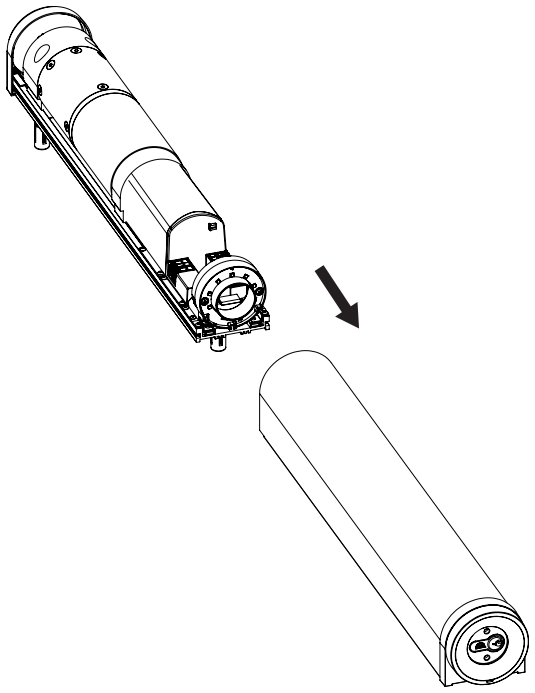

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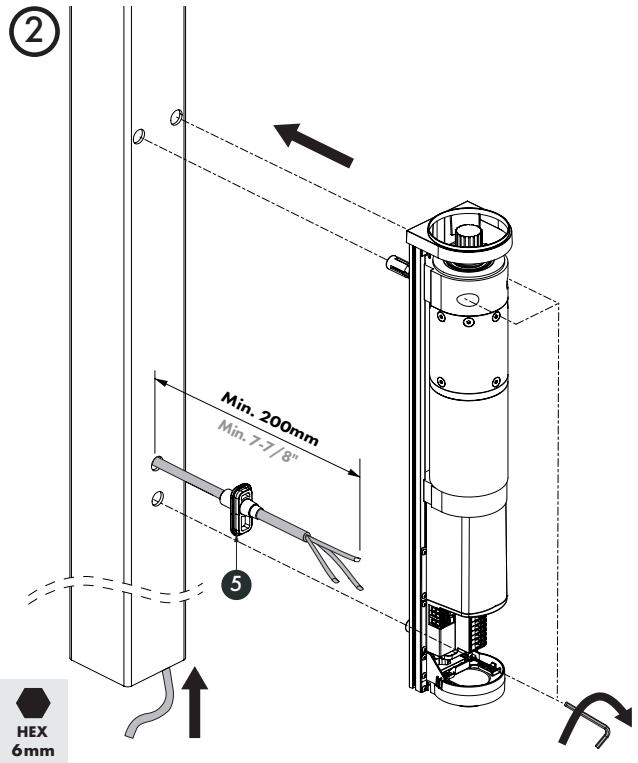

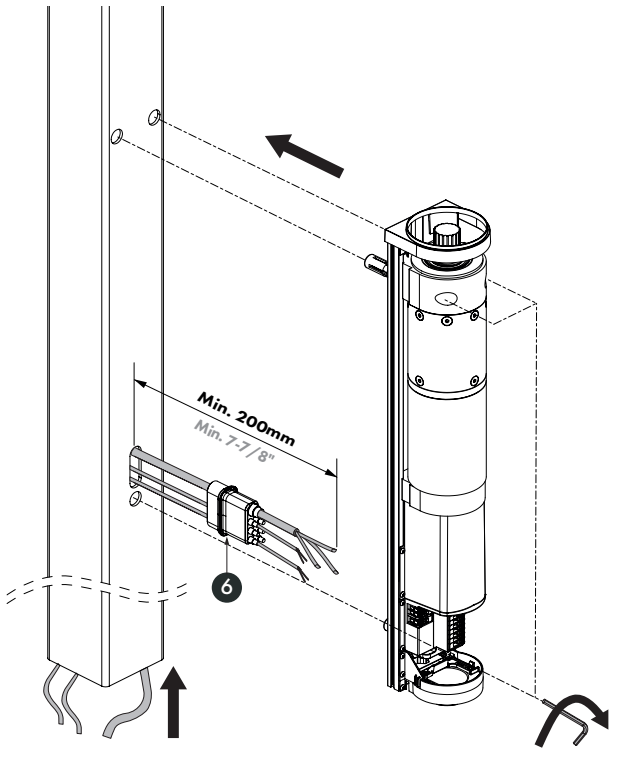

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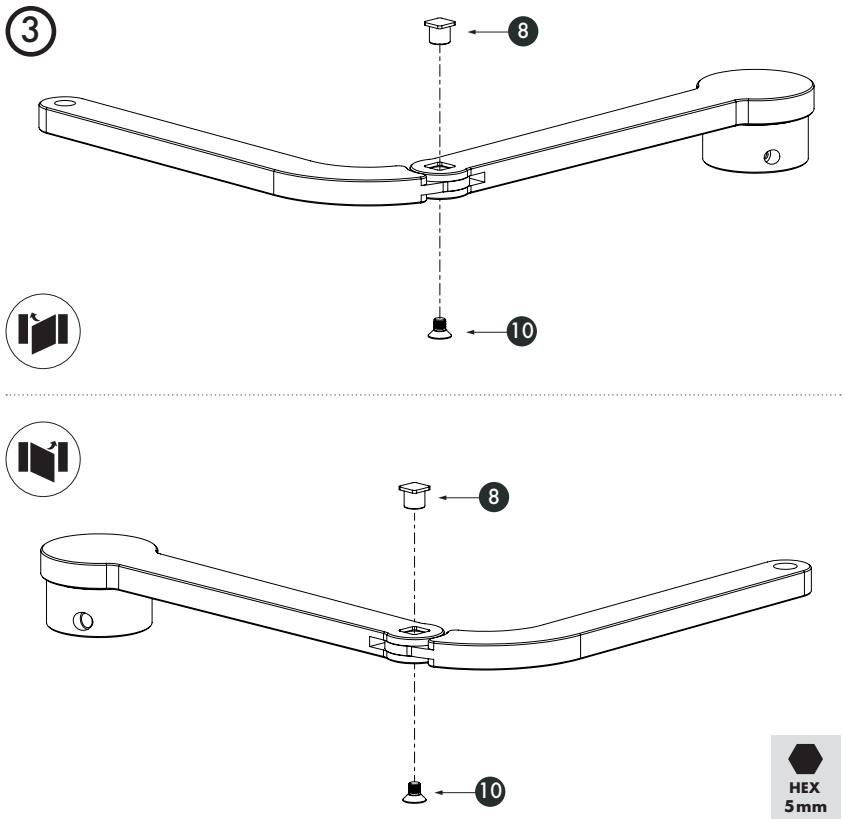

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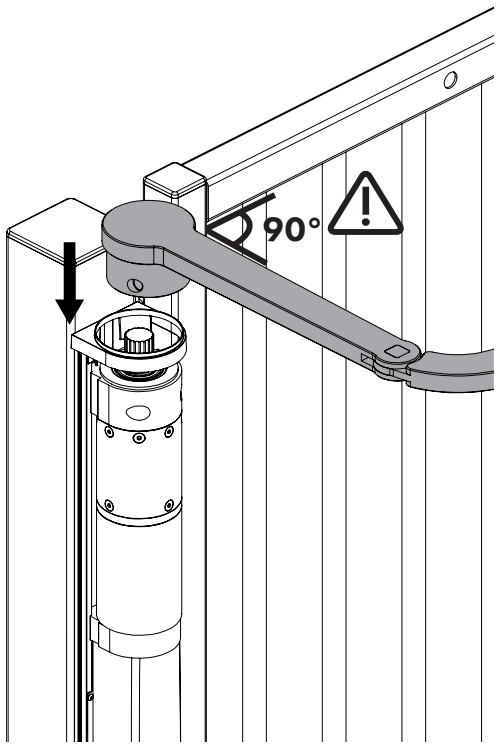

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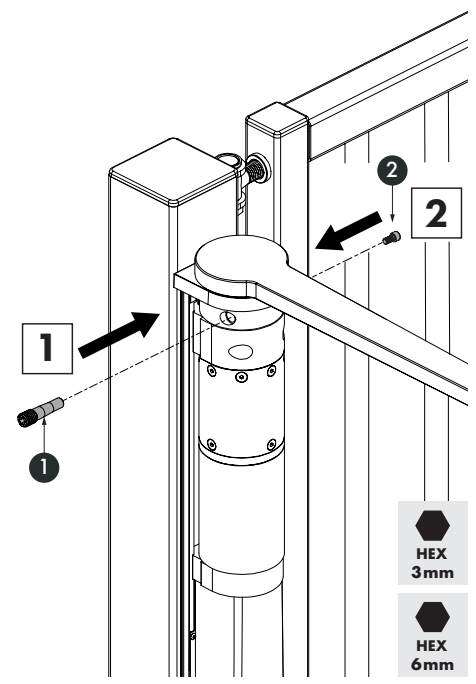

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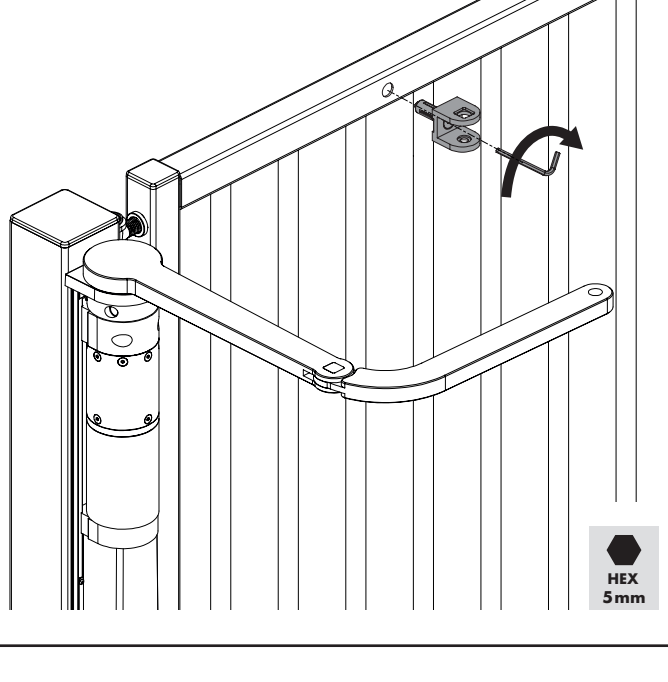

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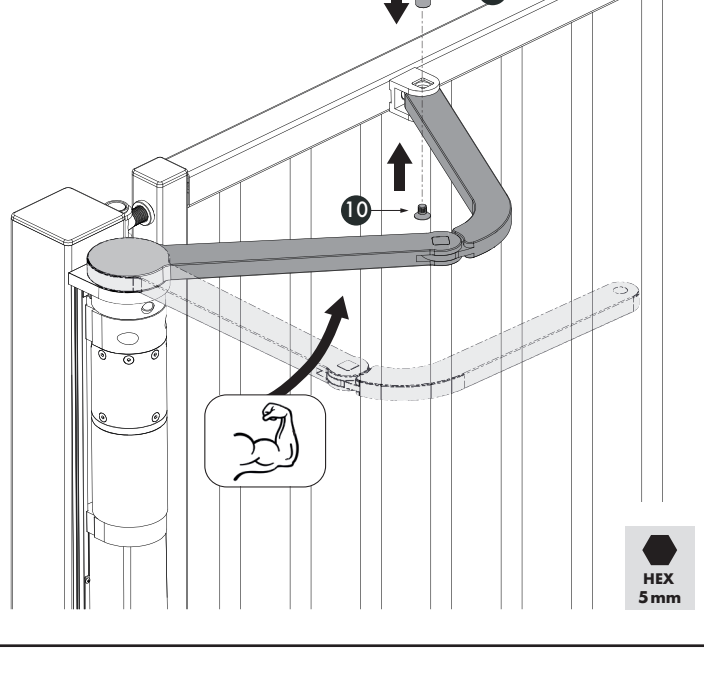

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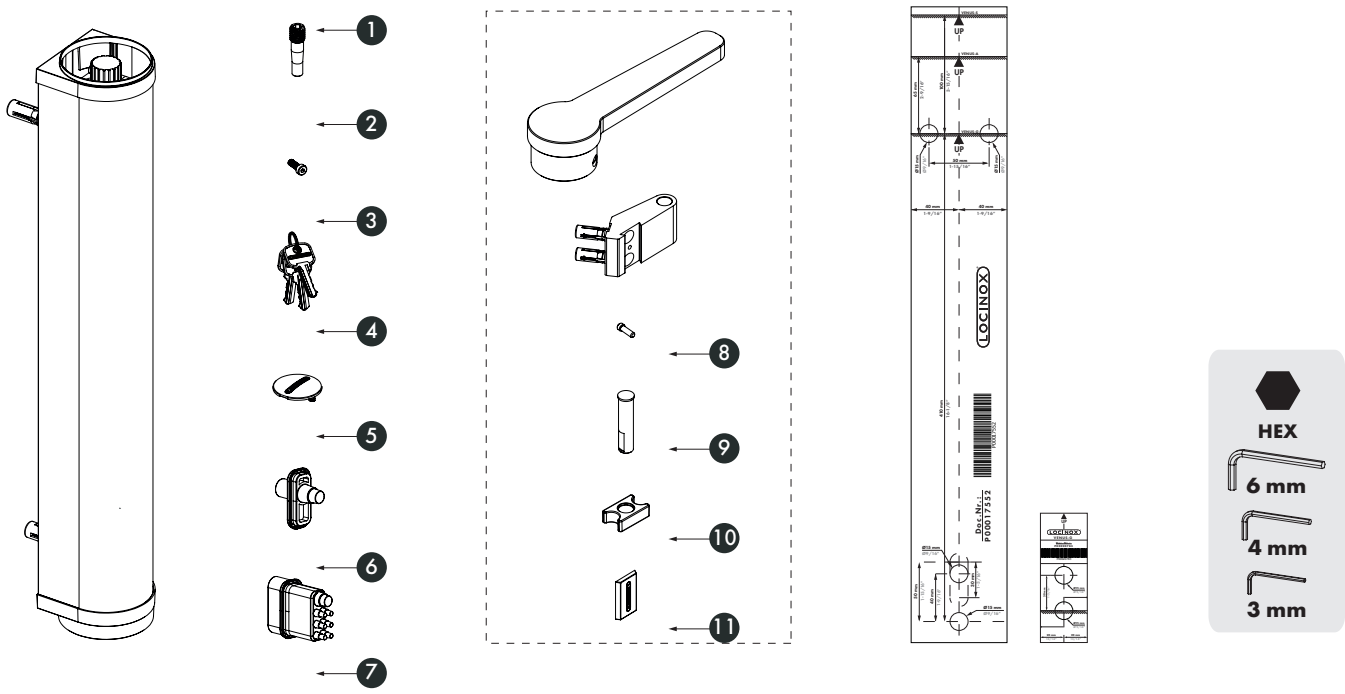

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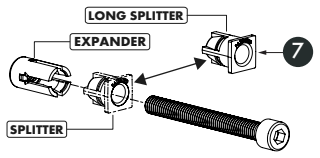

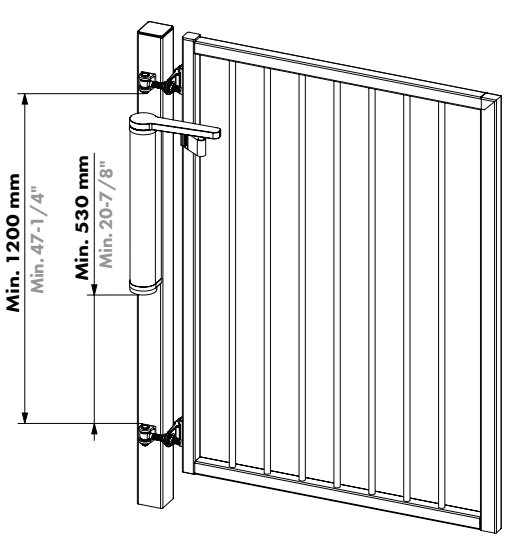

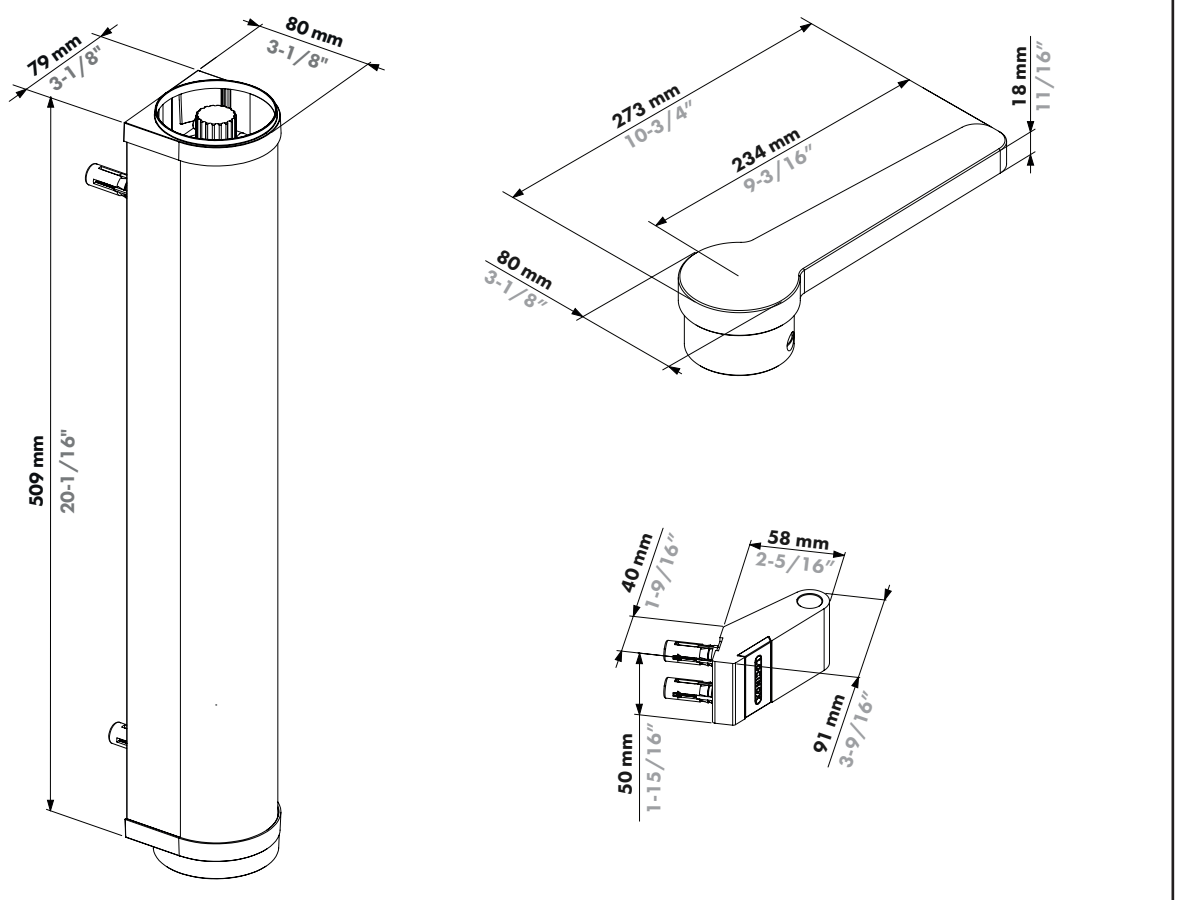

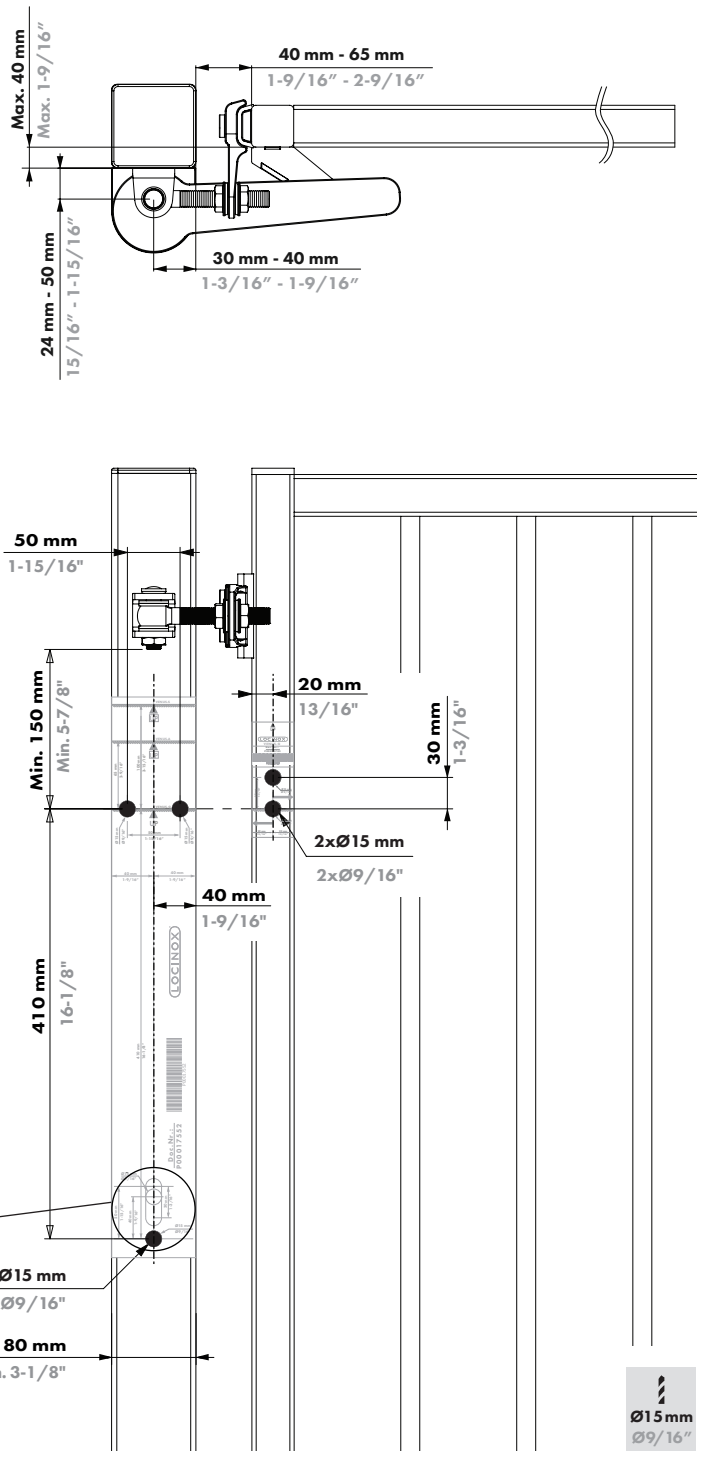

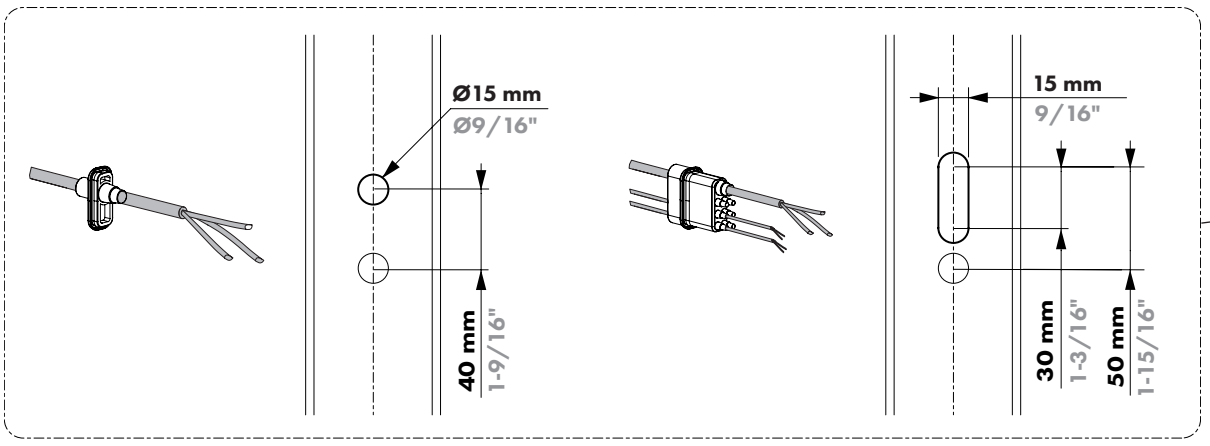

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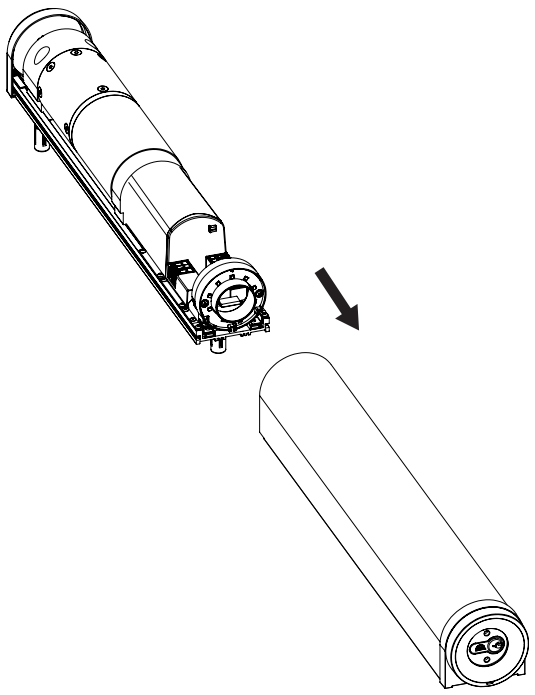
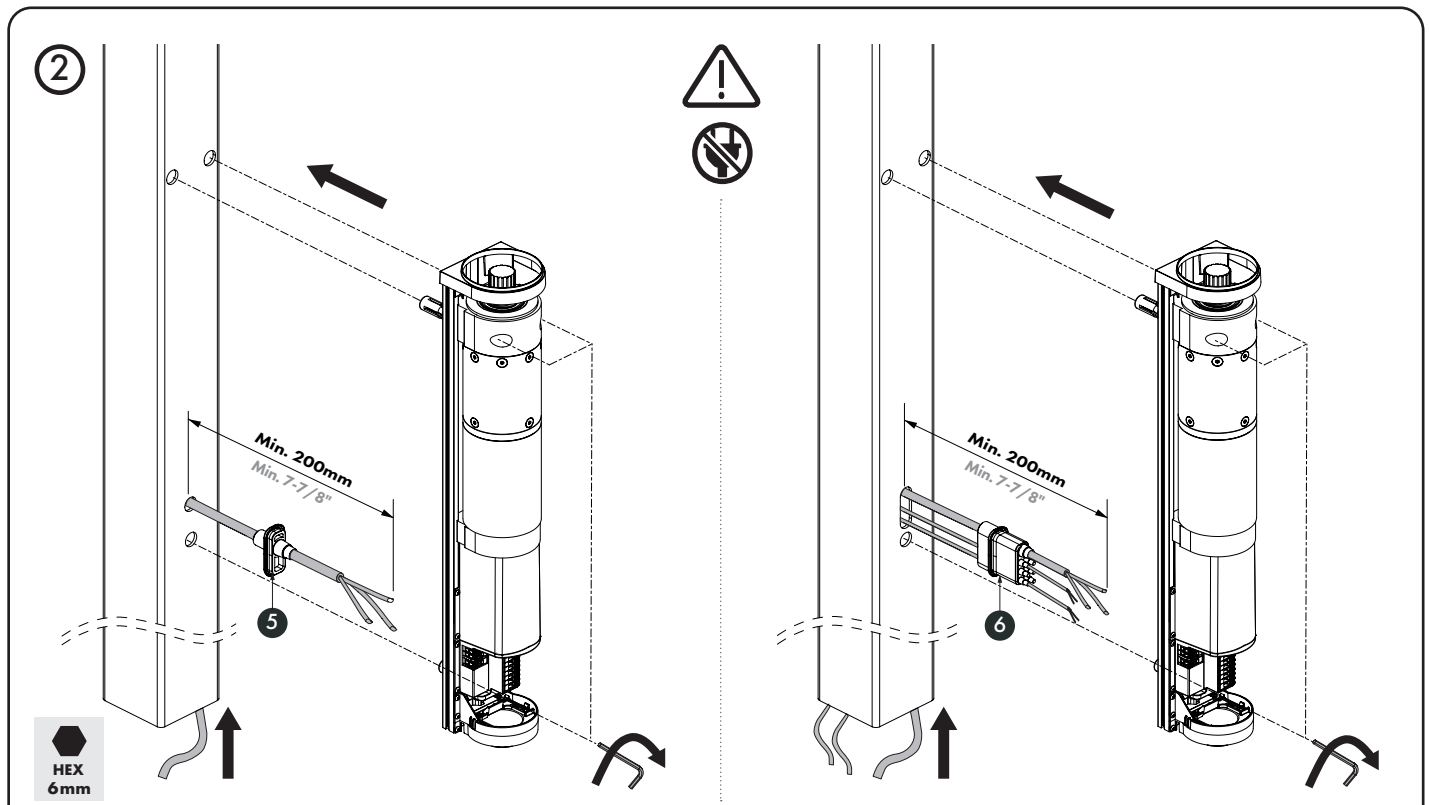
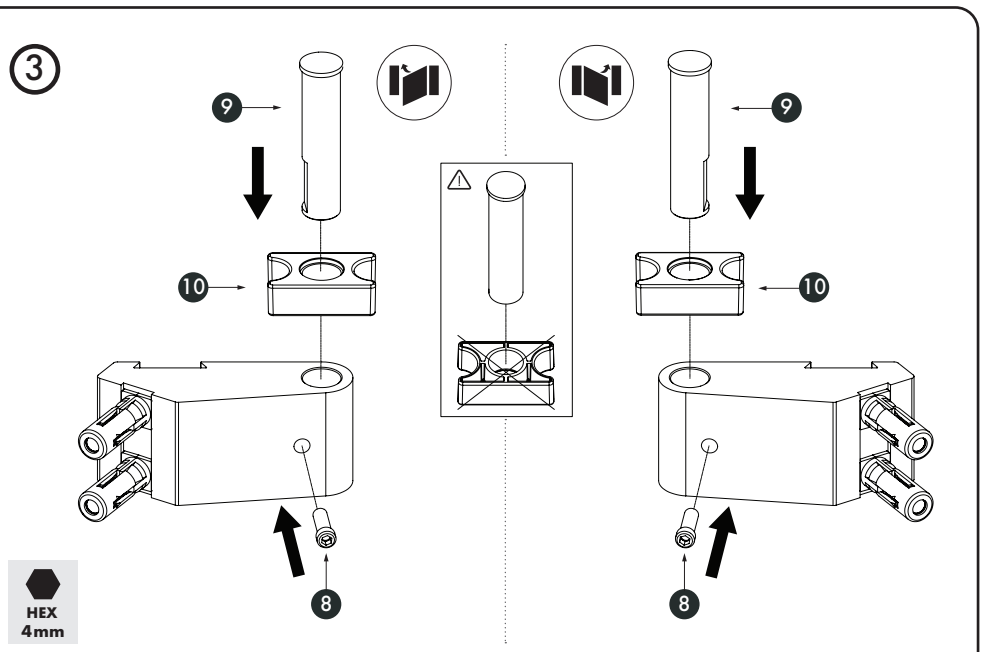
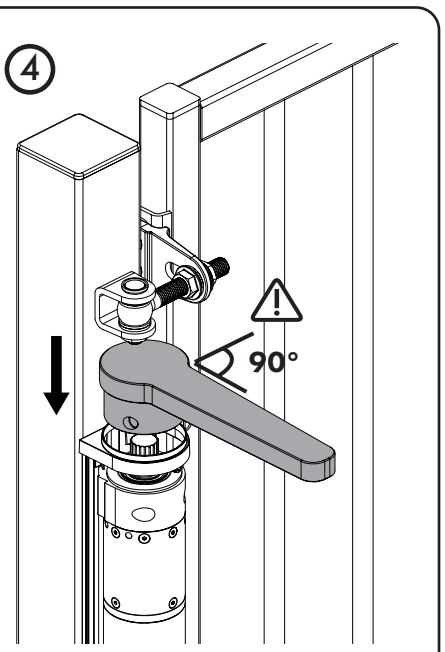
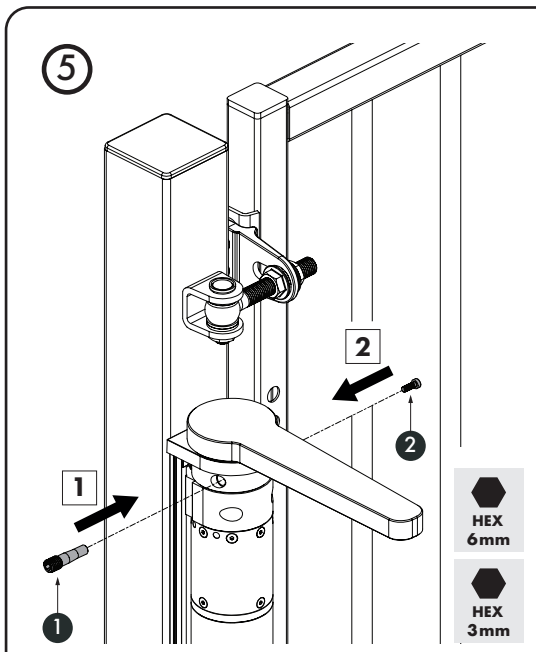
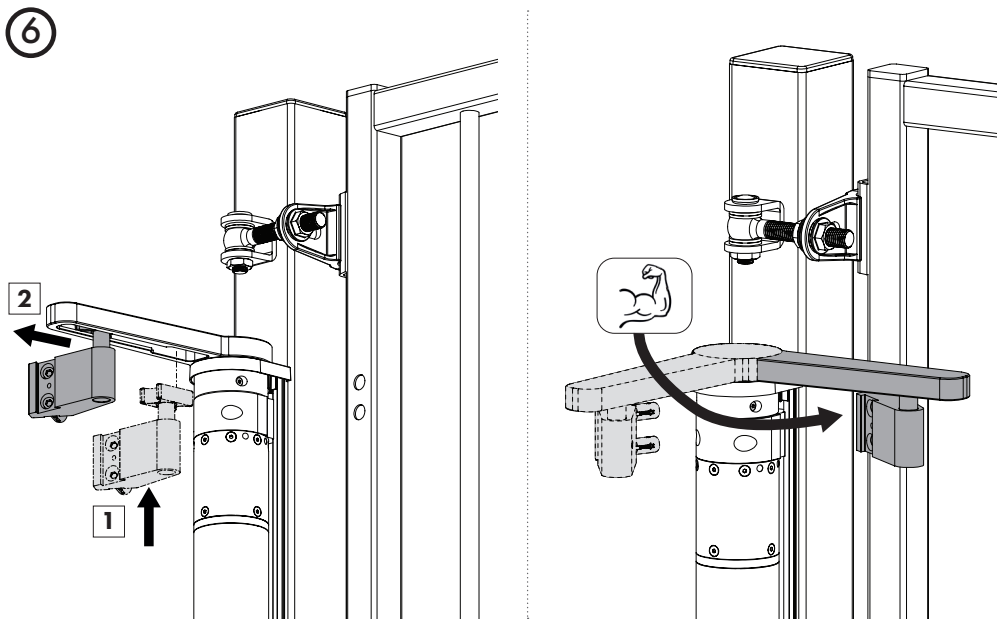
① 

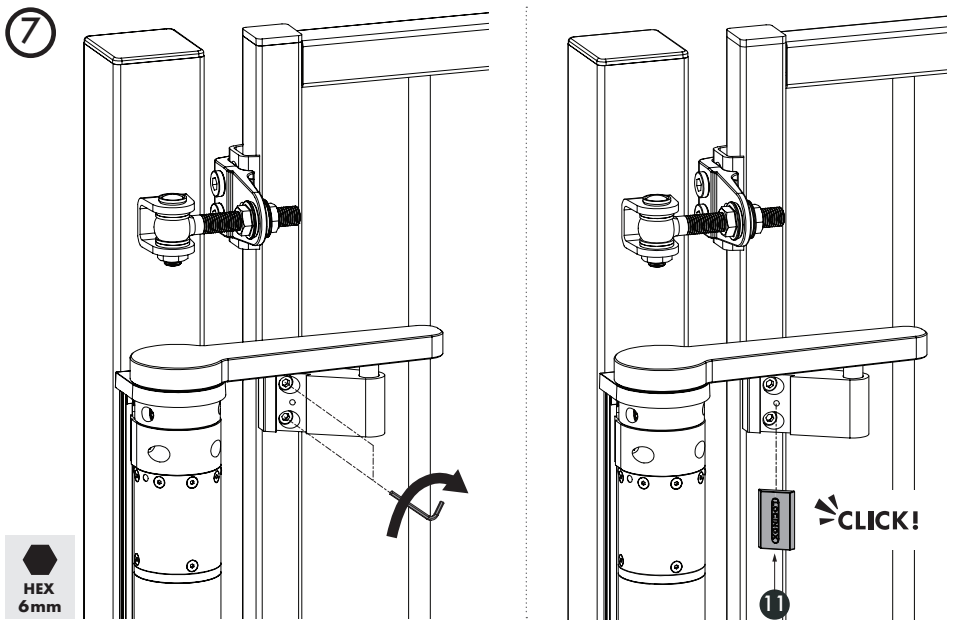
② 

③ 

④ 

⑤ 

⑥ 

⑦ 

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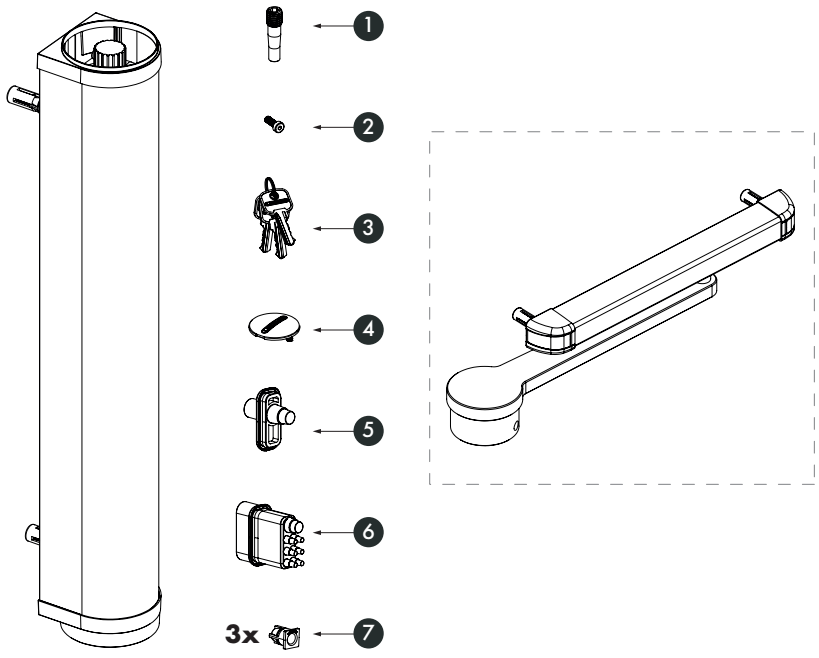

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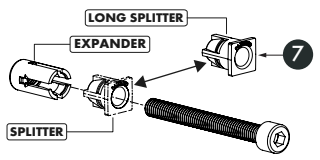

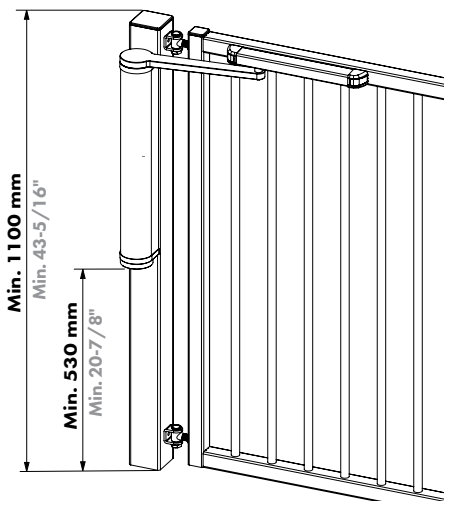

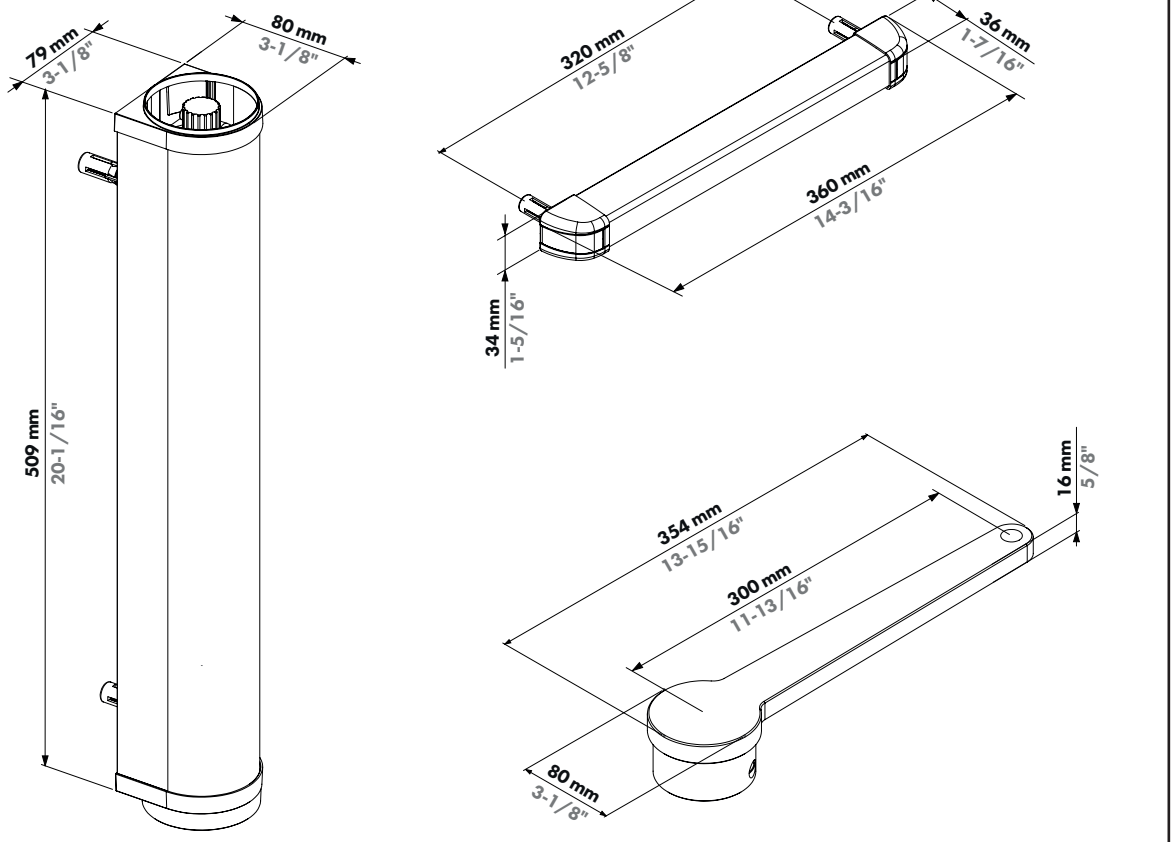

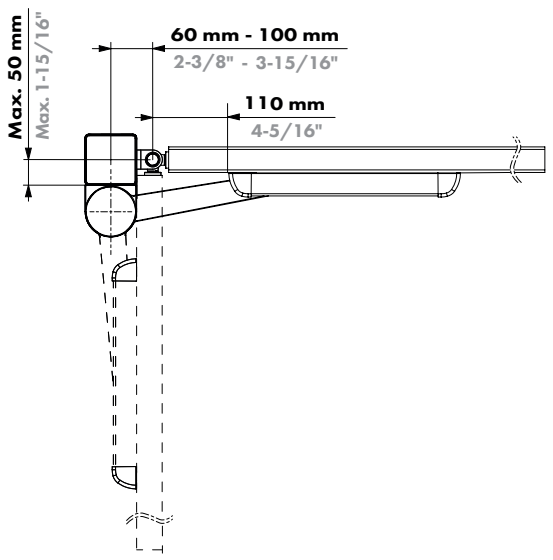

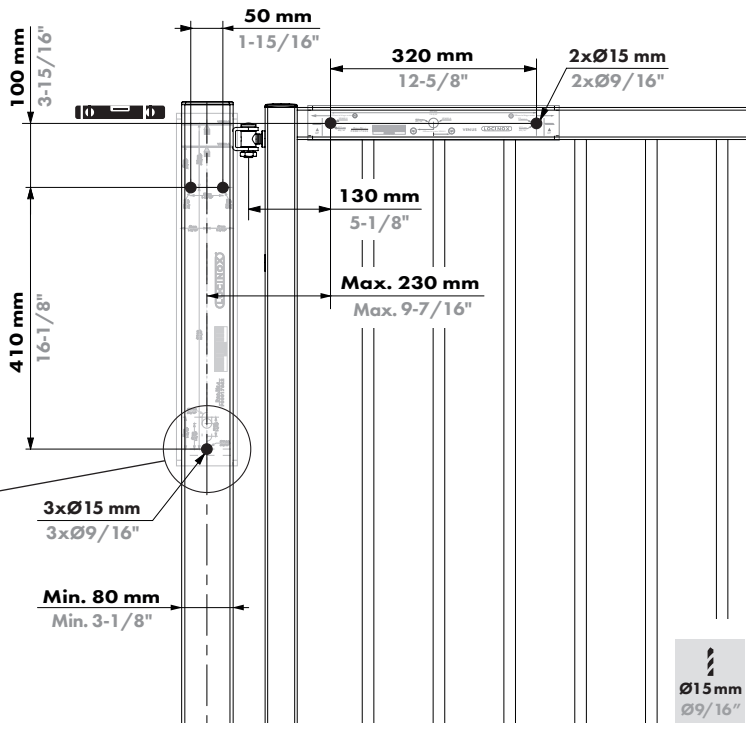

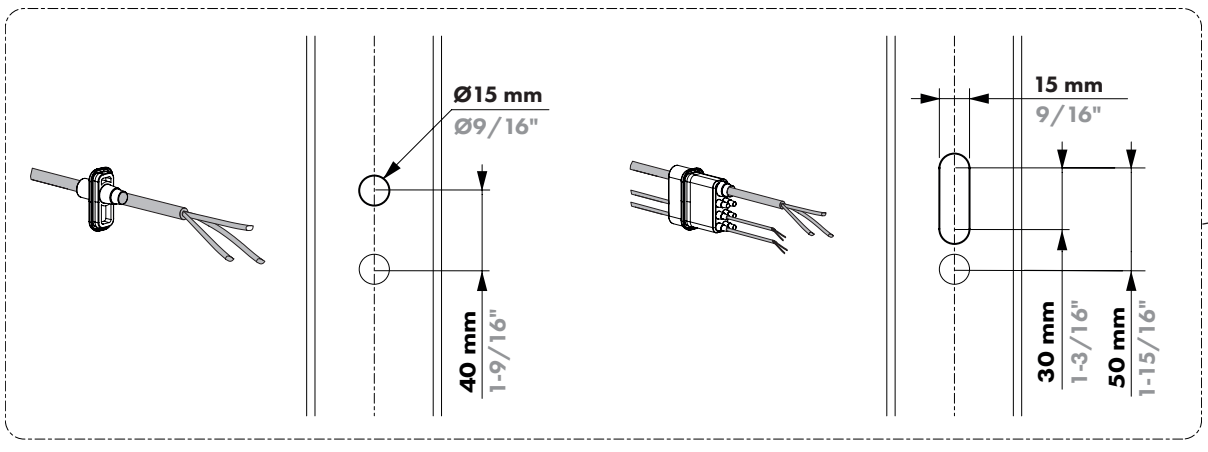

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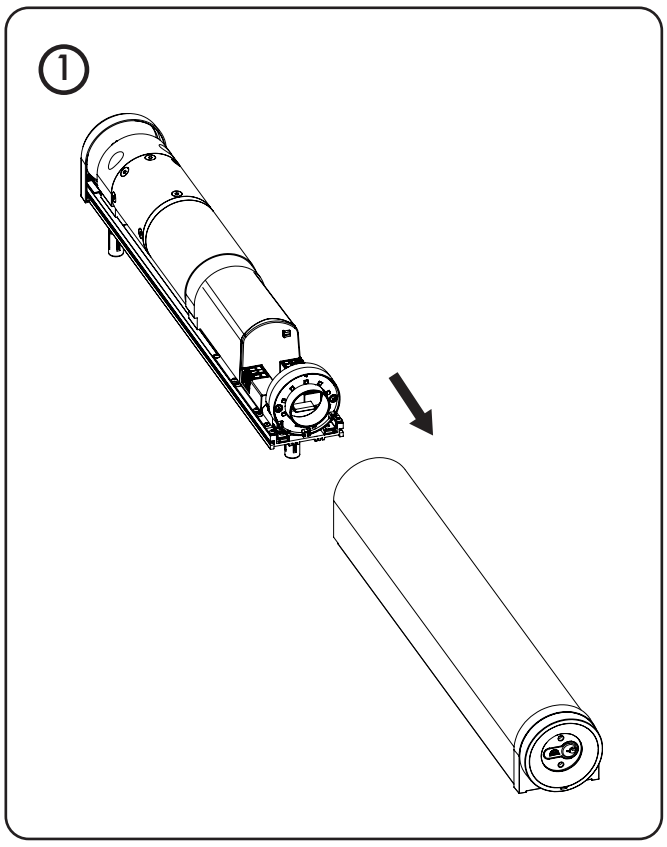

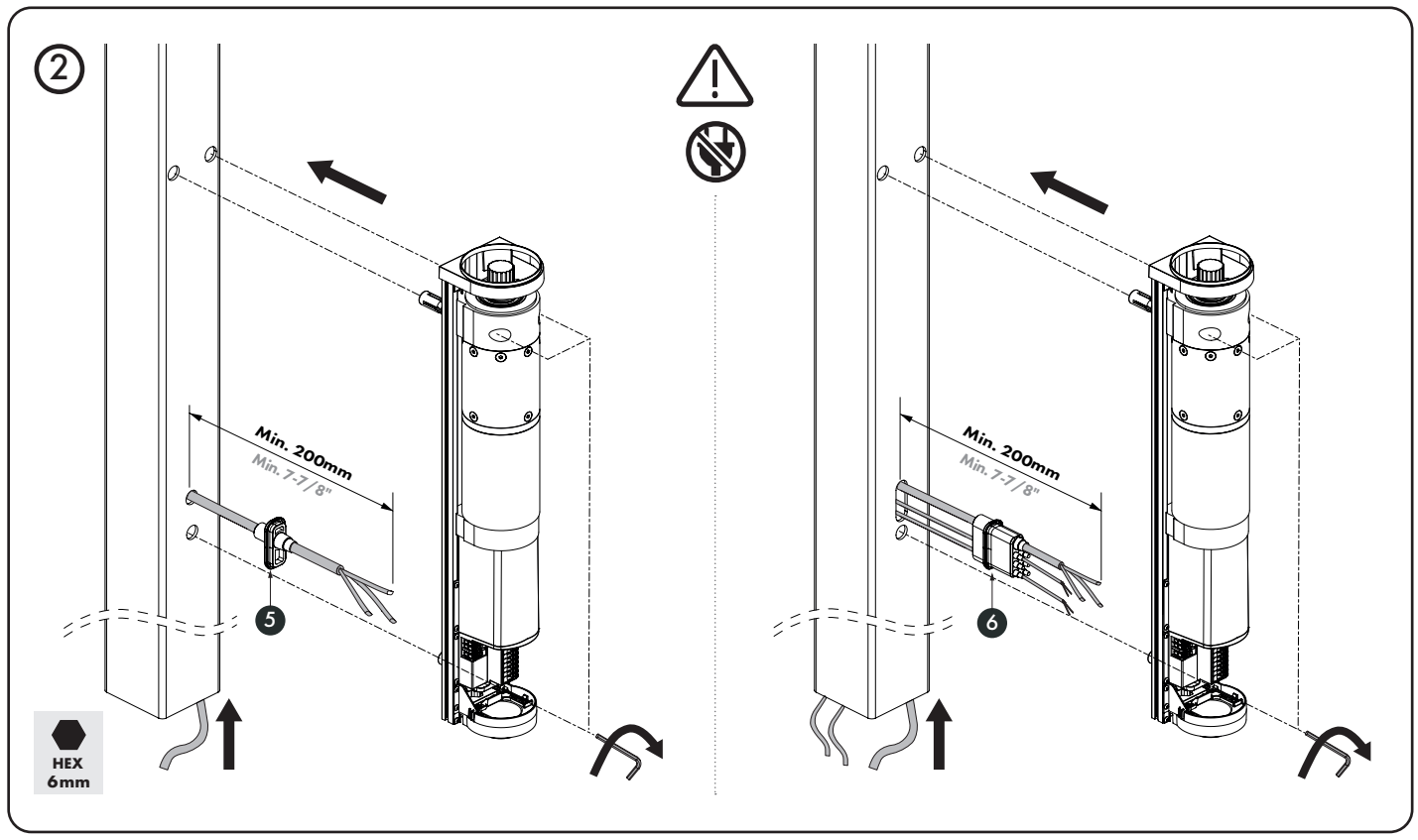

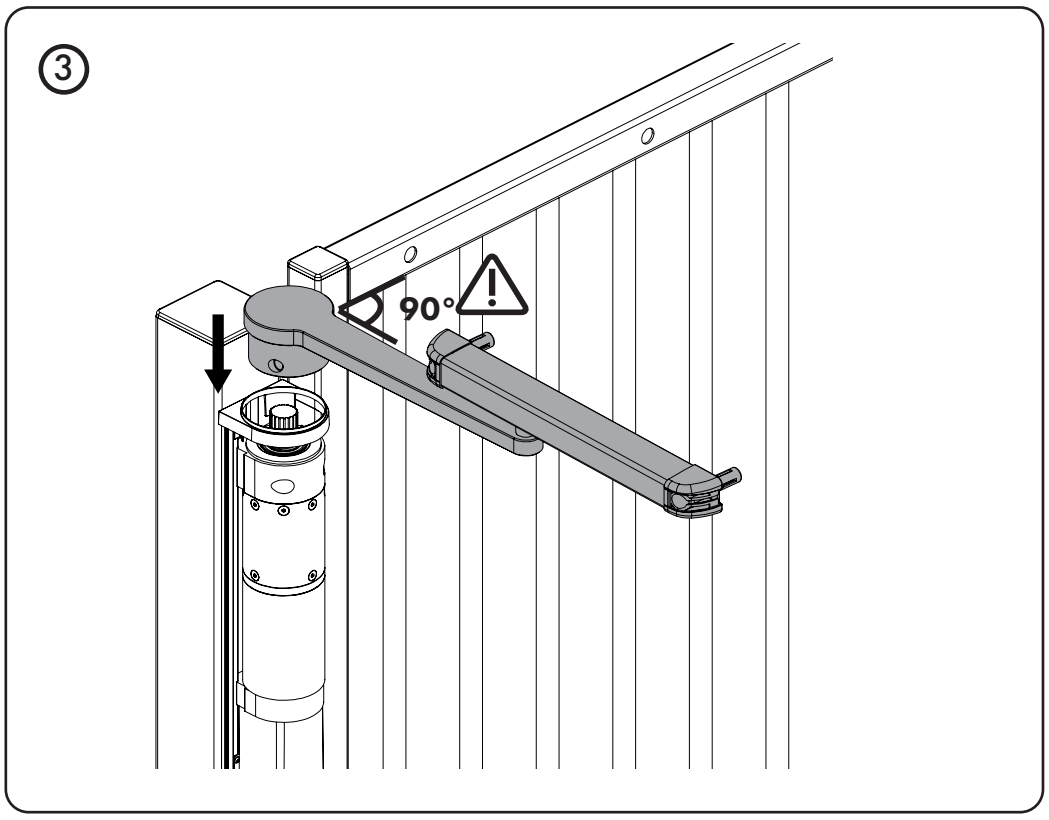

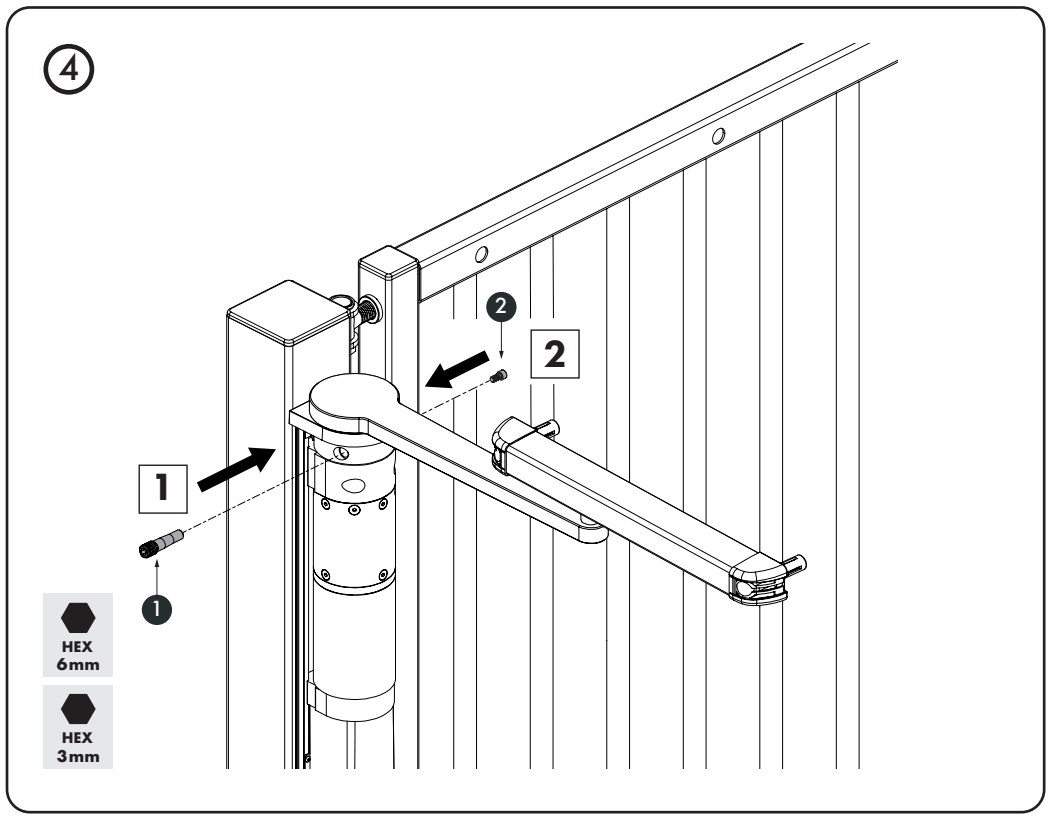

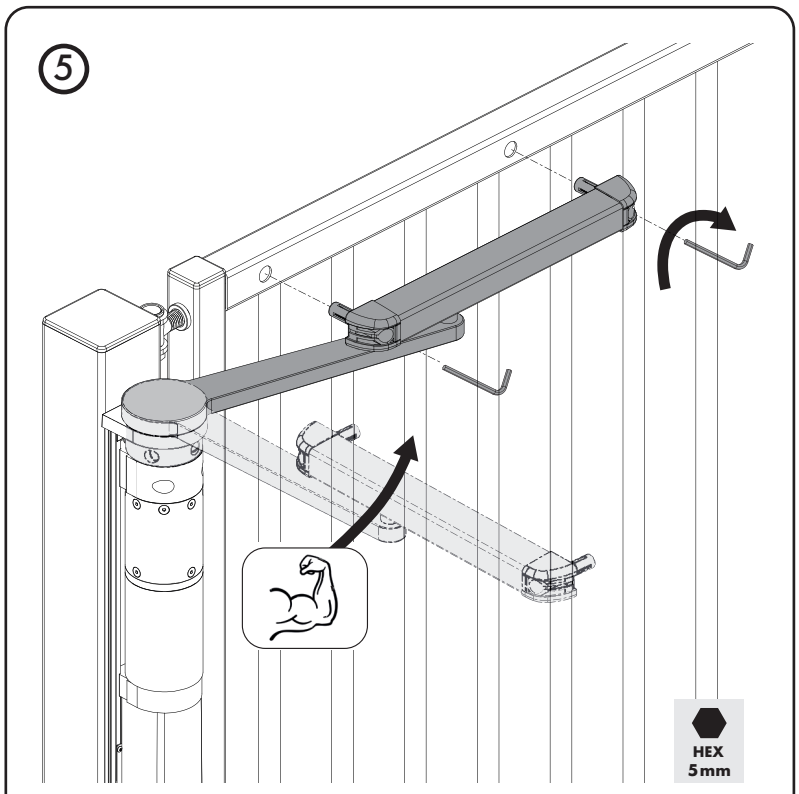

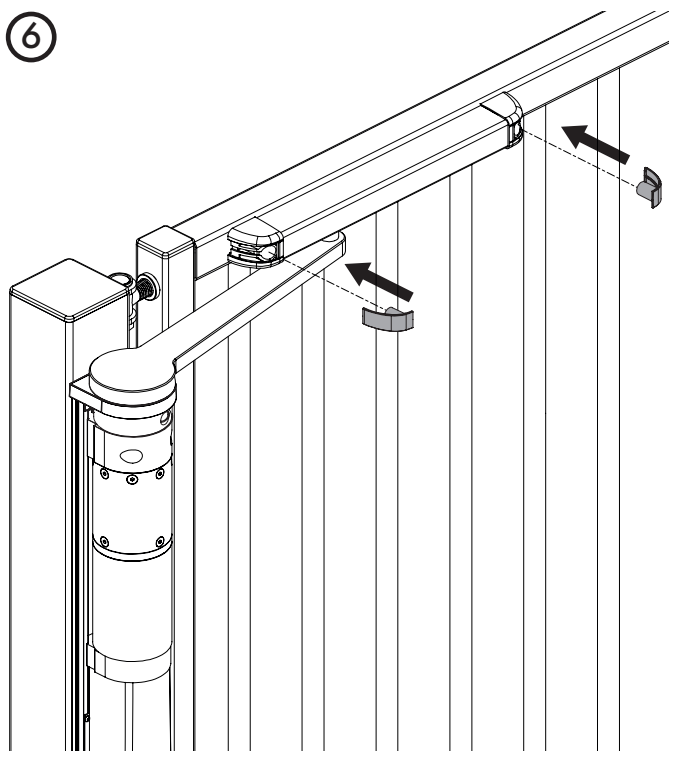

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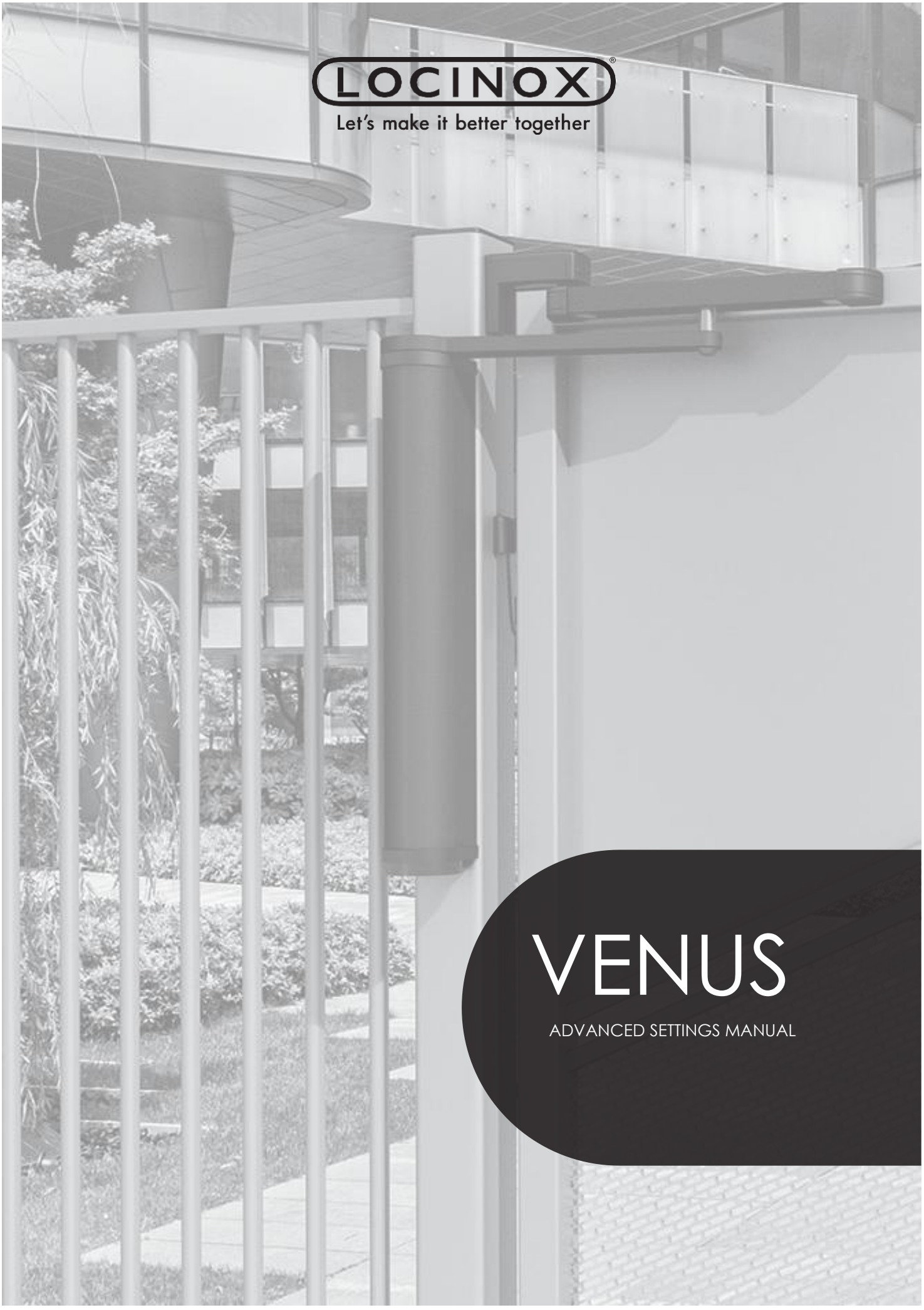

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FCC statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION:

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjuntion with any other antenna or transmitter.

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Advanced settings menu

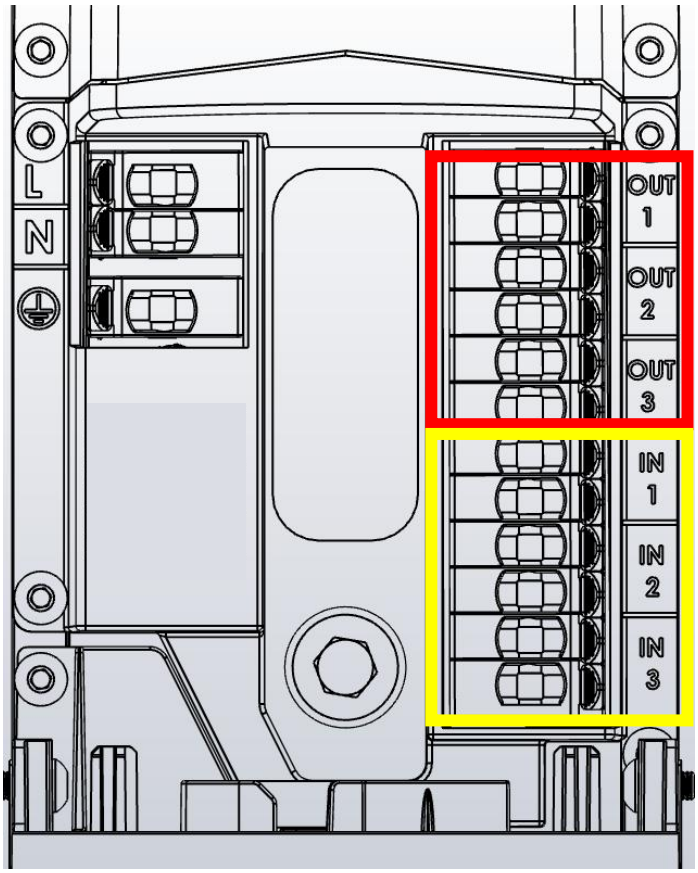
The settings described in this document can be changed during the first installation of the Venus motor or after reconnecting to the device via the mobile application.

When configuring for the first time, the device will allow us to go to the advanced settings after performing the first calibration.

If you want to change these settings of a Venus that has already been configured, select “update an existing gate configuration”, connect to the motor, select and skip the basic gate configuration steps to directly go to advanced settings.

Output signal

Signal to power and control external devices (e.g. electric strikes, maglocks, Slimstone-2, etc.). The output signal for each output connector is **24V DC**, with a maximum current of **1.6A** (38W) per output. The total of the 3 outputs should stay below **2A** (48W), otherwise Venus will switch off the output terminals. Those terminals have colors: red (+24V), black (0V).



Input signal

Signal to controls the motor (e.g. push button, Slimstone-2, intercom, etc.). Venus input terminals are a **dry contact**. This mean that the control signals should be free of any voltage. If the control signal is not a dry contact, it is **mandatory** to use a relay between the control device and Venus. In the advanced settings menu (app), there is a possibility to change the input as NO or NC signal type. Those terminals have a green color.

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Venus manual or automatic mode

Manual mode

This mode should be selected if the lock or keep is mechanical and the Venus is unable to control the lock or keep. The user must manually open the gate and make an opening movement, after a few degrees, this will be detected and Venus automatically opens the gate up to the desired opening angle. This function is called “Push&Go”, which is enabled by default, but it could be switched off through the advanced settings menu in the app. This mode automatically closes the gate after a set pause time (5 seconds by default).

Important information:
When calibrating the motor, retract the daybolt to not have mechanical blockage during calibration, otherwise the calibration step will fail.

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Automatic mode

This mode should be selected if an electric lock or keep is used and connected to the output connector of the Venus connection box. Please remember that Venus outputs only support 24V DC. The user doesn't need to manually open the gate. Venus takes full control over the opening and closing cycle. Controlling the gate can be done by;

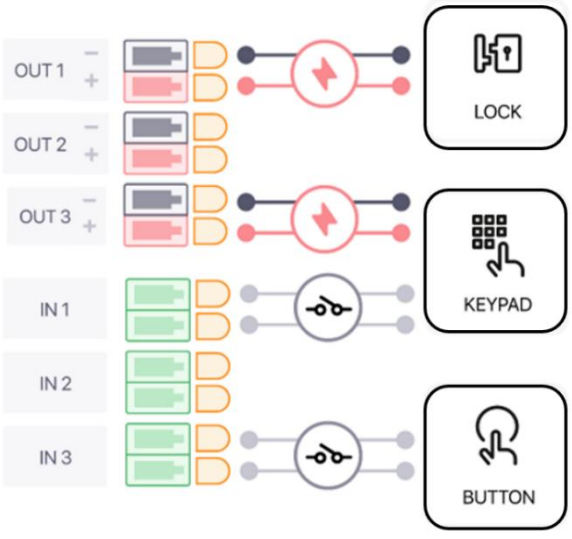
- Push button,
- Programable keypad (e.g. Slimstone-2, Slimstone-X),
- Video or audio intercom
- Other type of access control device

This automatic mode also has the "Push&Go" function enabled by default, which allows the end-users to manually open the gate to trigger an automatic opening cycle. This mode automatically closes the gate after the set pause time (5 seconds by default).

Important information:
During the calibration step, it will automatically detect which type of electric lock or keep is connected to the device (Fail-Open or Fail-Close). More explanation of the names you can find **here**.

Default connection settings for automation mode:

- **Output 1**: Lock
- **Output 2**: Unused
- **Output 3**: 24V AUX (powering the access control device)



- **Input 1**: Control device, "Normally Open" contact for a control device (e.g. Push button), "open and (automatically-)close" command is default
- **Input 2**: Unused
- **Input 3**: Control device, "Normally Open" contact for a control device (e.g. Keypad), "open and (automatically) close" command is default

- "Push&Go" function is active

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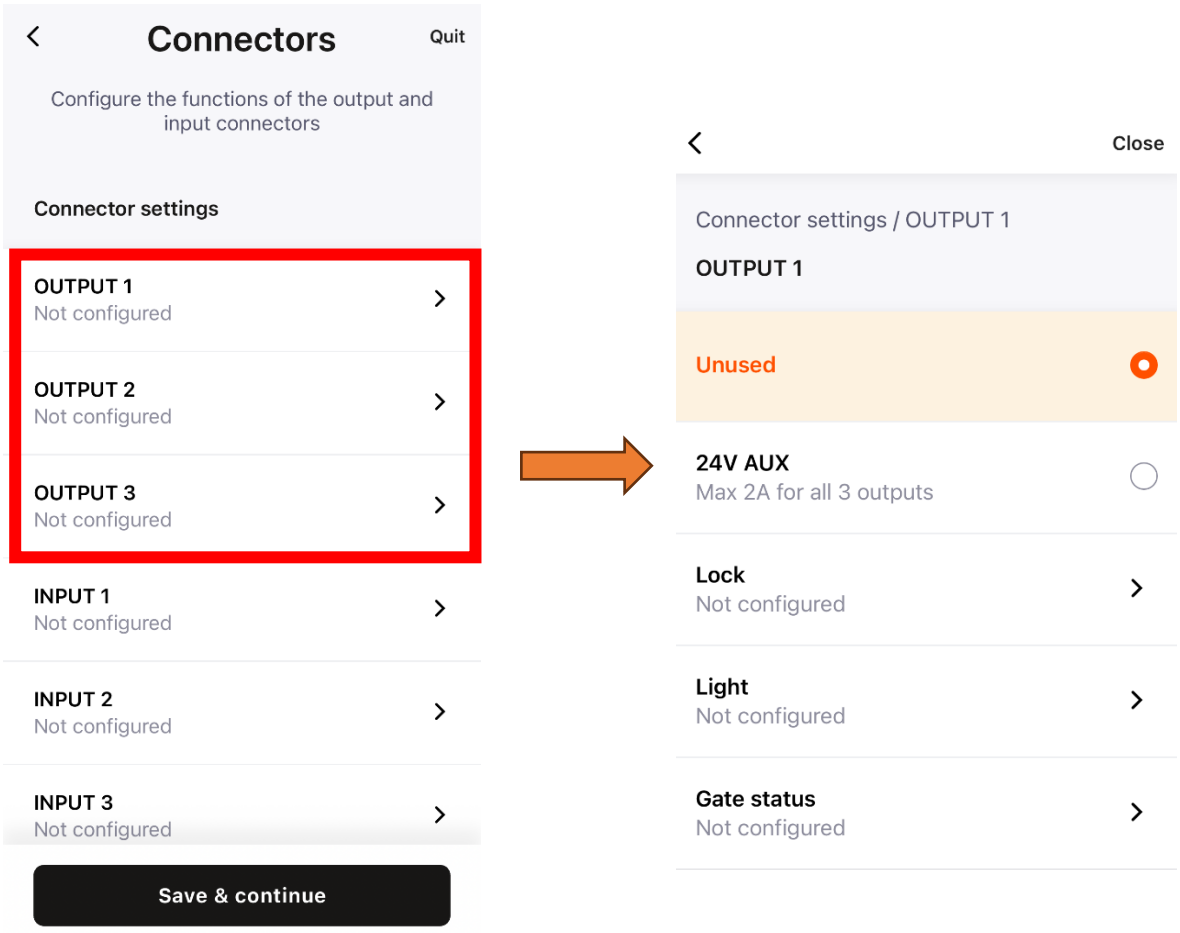
Output connectors – 24V DC



The Venus can provide controlled power through the output connectors to external devices (e.g. electric strikes, maglocks, Slimstone-2, etc.). The output signal for each output connector is **24V DC**, max. current 1.6A (**38W**). The total of the 3 output connectors should stay below 2A (**48W**). If the Venus outputs are overloaded, the device automatically shuts down all terminals to prevent a short circuit. If this occurs, the device goes into error mode:

- Integrated warning light will blink 5Hz with full brightness.
- The Venus automatically retries re-enabling the outputs every few seconds. The outputs remain disabled as long as the overload or short circuit is present.

Unused

This option does not assign any configuration or feature to the terminal. This option is set as the default for all outputs if the Manual operating mode is selected. The Automatic mode has pre-defined options, these are explained: here.

24V AUX

Provides constant power (24V DC) to an external output. Total output power on all terminals is 48W. This setting can be used to power external lights or an access control device. Make sure that these devices can function with 24V DC.

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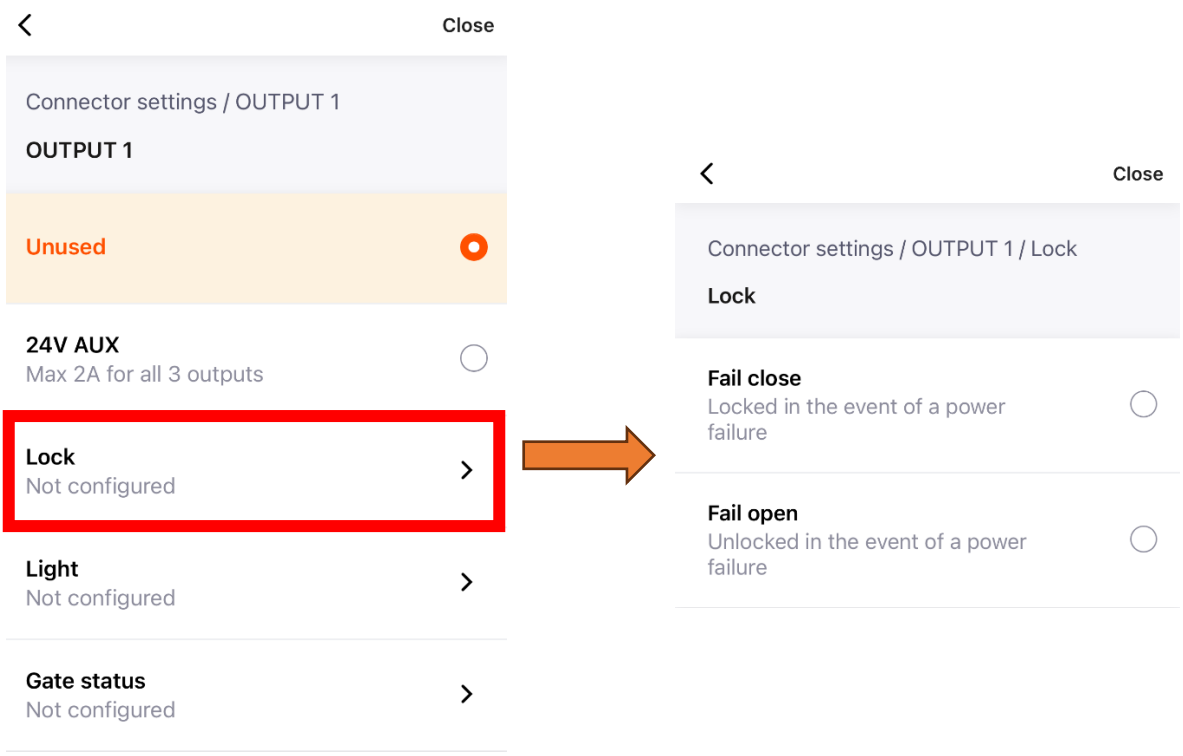
Lock



Important:
This option is automatically configured during the initial calibration process.

The Lock option allows selecting the type of lock. This option can be changed after the first installation if the installer would like to change the lock type or add a new lock that can be controled by Venus.

There are two types:

- **Fail close**: in case of a power failure, it is locked (Emissa version)
- **Fail open**: in case of power failure, it is unlocked (Ruptura version and Maglocks)

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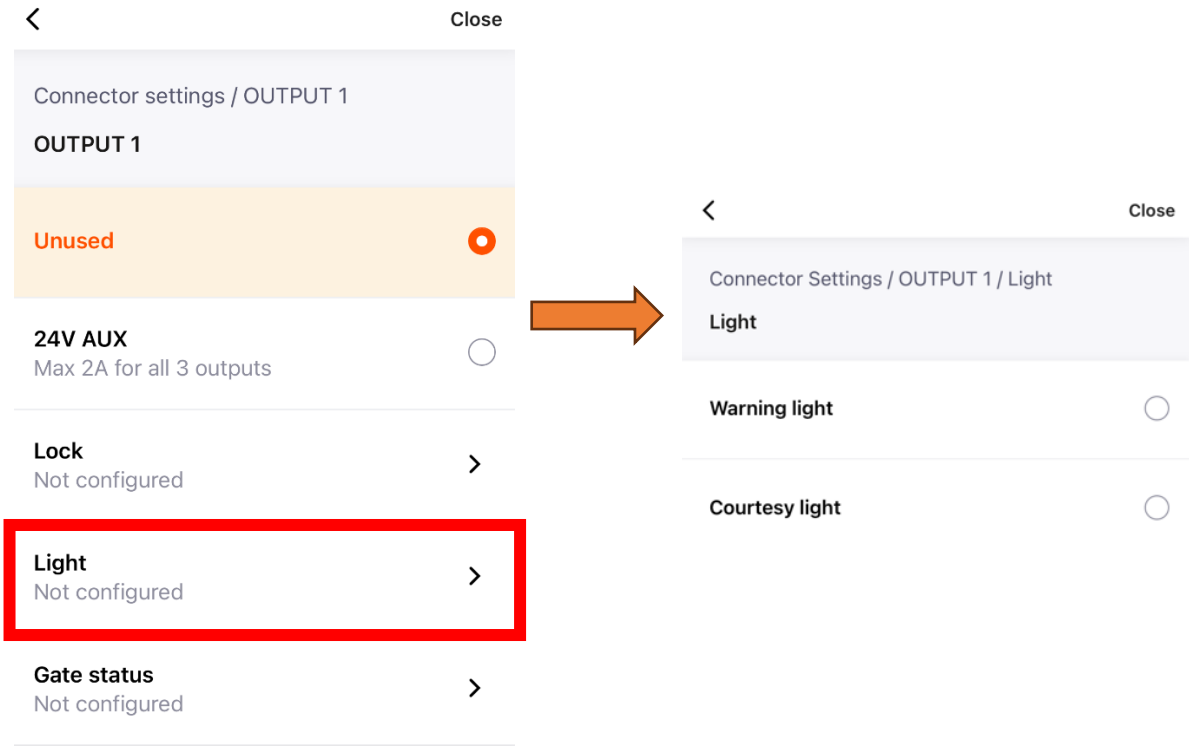
Light



Warning light

Connect an external 24V DC light source and power while the gate is in motion. The 24V DC output signal flashes at 2Hz, this is the same frequency as the integrated warning light.

Courtesy light

Connect an external 24V DC light source and enable it while the gate is in motion. The lamp remains ON after the gate is closed for a certain period. This time can be set in the light settings on the second page of the advanced settings.

Light -> Activation time Courtesy light

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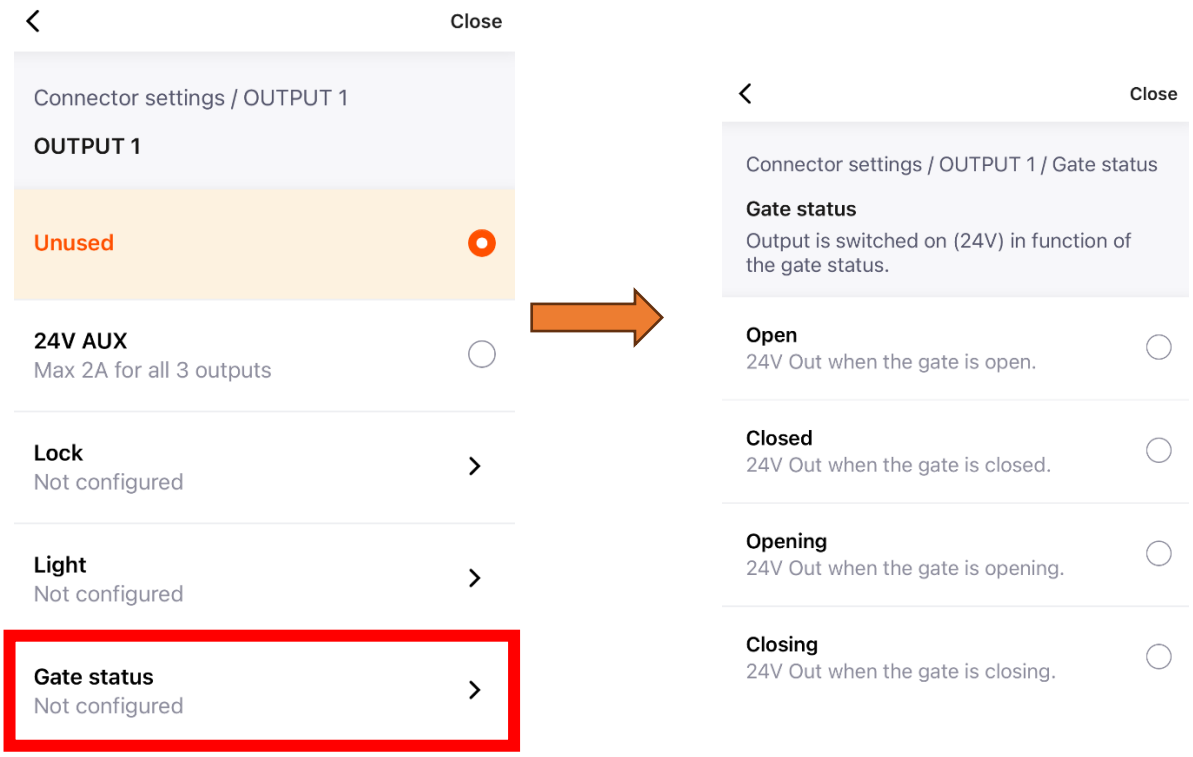
Gate status



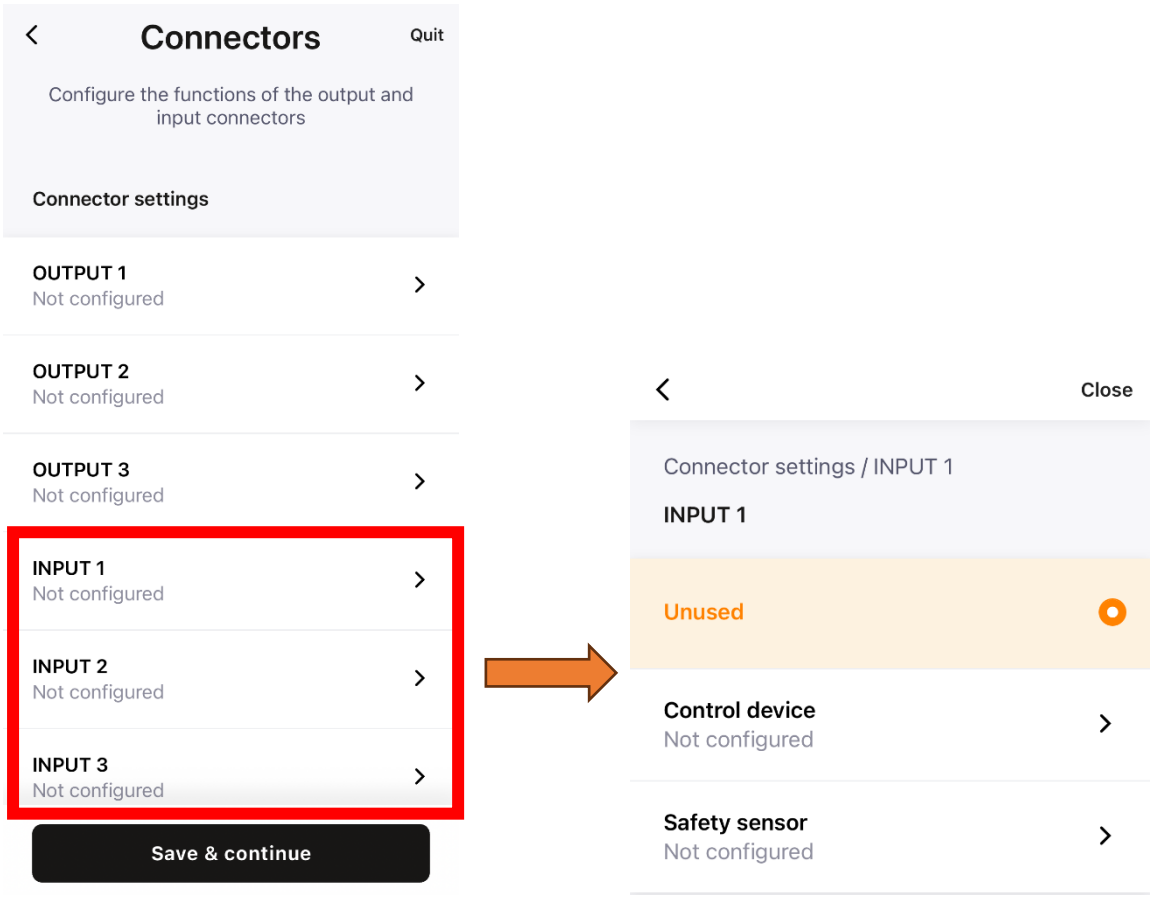
Open
Set programmed output to +24V DC when the gate is in open position.

Closed
Set programmed output to +24V DC when the gate is in closed position.

Opening
Set programmed output to +24V DC while the gate is opening

Closing
Set programmed output to +24V DC while the gate is in closing

Input connectors – dry contact



Input signals control the motor (e.g. push button, keypad, intercom, photocells, etc.). These inputs terminals require a **dry contact**. This mean that the control signals should be free of any voltage. If the control signal is not a dry contact, it is **mandatory** to use a relay between the control device and Venus.

Unused

This option does not assign any function to the input terminal. This option is set as the default for all inputs when Manual mode is selected. Automatic mode has pre-defined options that are explained: here.

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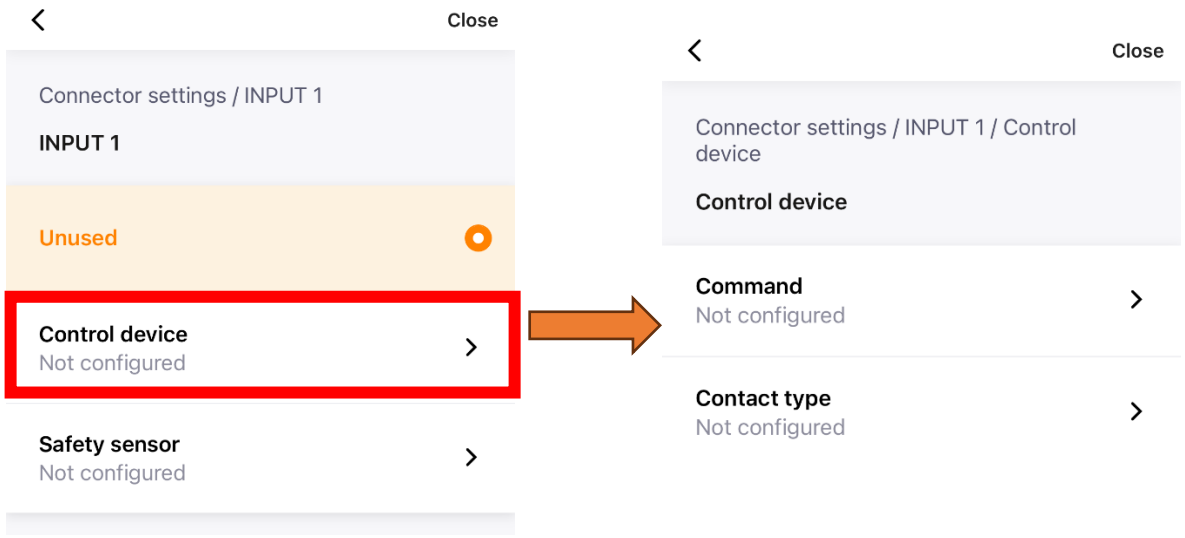
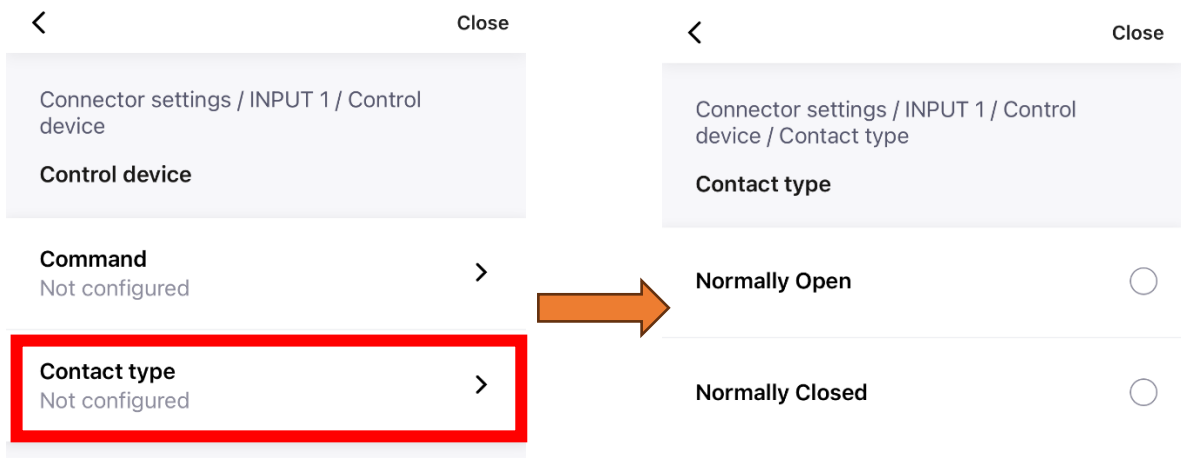
Control device



Configuring the “control device” option allows to control the motor by a control signal from an external device or control element. Control device option setting has two configurable options:

- **Command** option allows you to properly configure Venus operation in various modes, which are described further in the document.
- **Contact type** option allows you to select the control signal type: “Normally Open” or “Normally Closed”.



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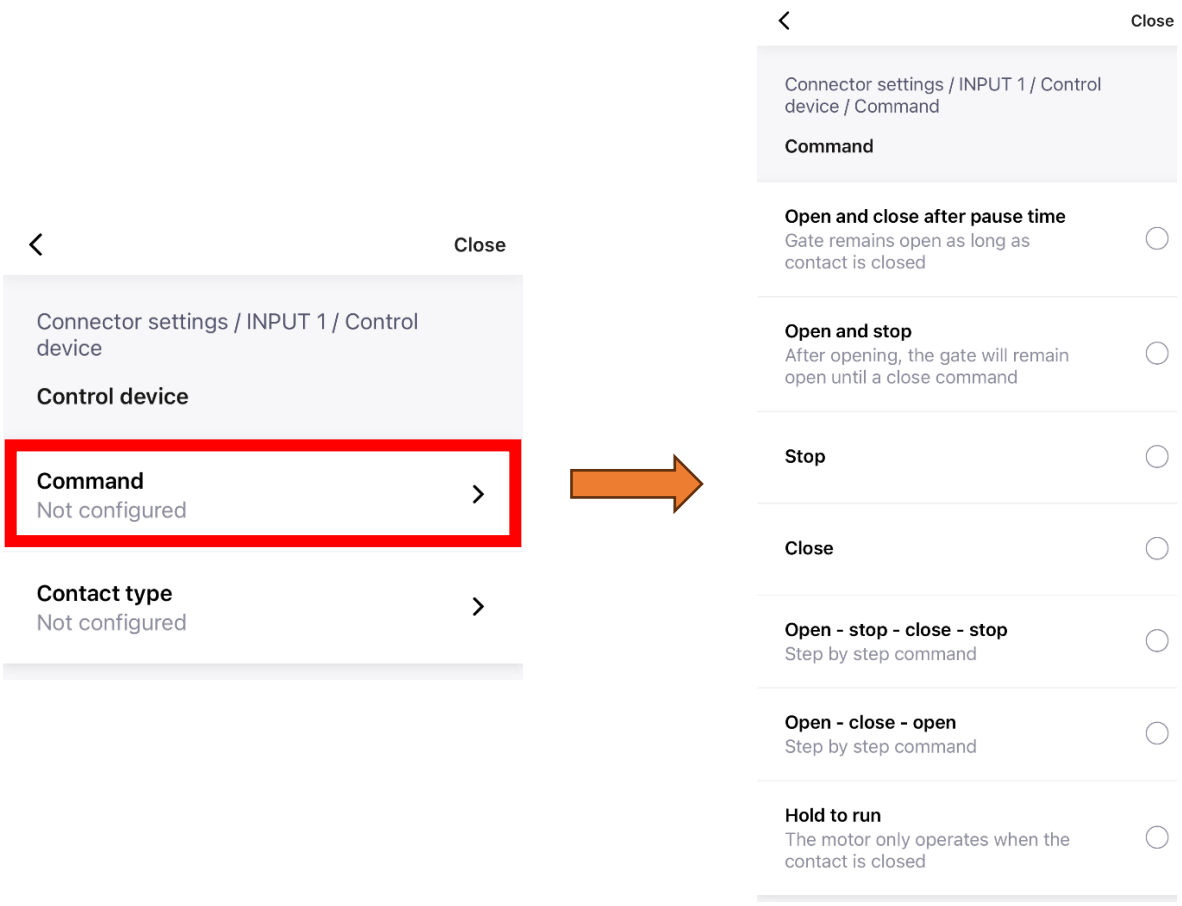

Open and close after pause time

A full opening cycle (opening and closing the gate) is activated with the set pause time (default 5 seconds). The pause time can be configured on the second page of the advanced settings in the application. It opens the gate only when the signal is active. If the signal is removed while the gate is opening, Venus will automatically close the gate. When the open position is reached, Venus will stay open as long as there is an active signal on the input. When the signal is removed, Venus will wait for the duration of the configured pause time (default is 5 seconds) and then closes the gate. If a user manually closes the gate while the control signal is active, the gate will reopen again after the pause time.

Open and stop

Opens the gate to the preconfigured opening angle and the gate remains open until the user closes the gate manually (Push&Go). Alternatively, the user can trigger a “Close” command through another input.

Stop

Stops the gate and disables the pause time. The gate remains stopped until the user closes or opens the gate manually (Push&Go). Alternatively, the user can trigger a “Open” or “Close” command through another input.

Close

Closes the gate. If the gate is in closed position, the motor will also try to close the gate until a hard stop is detected.

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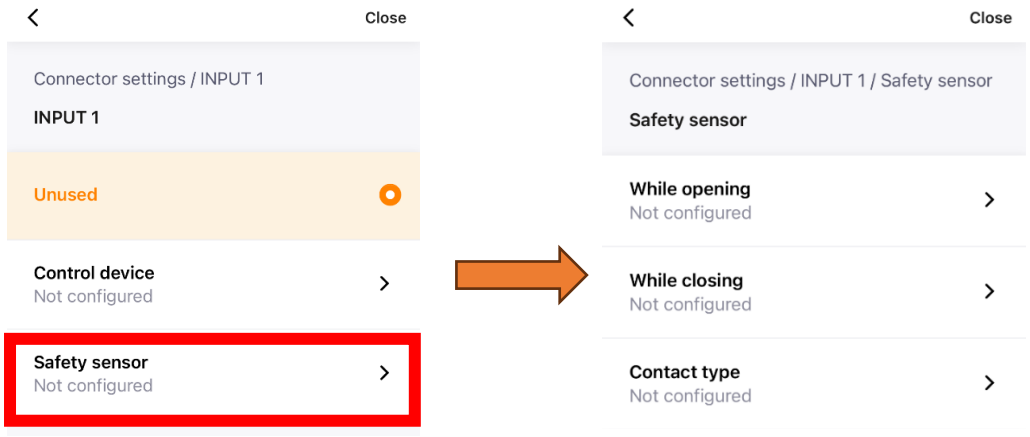
Open – stop – close – stop
Full open and close cycle with set pause time. When the input signal is triggered a second time, during the opening movement, the gate stops. A third trigger will reverse the movement, etc.

Open – close – open
Full open and close cycle with set pause time. When the input signal is triggered again, the gate reverses, etc.

Hold to run
Opens the gate only while the signal is active. After reaching the open position, Venus will wait for the set pause time (default is 5 seconds) and close the gate (even if the control signal is active). If the contact is interrupted while the gate is moving, the gate stops. If you trigger the input again, it will reverse.

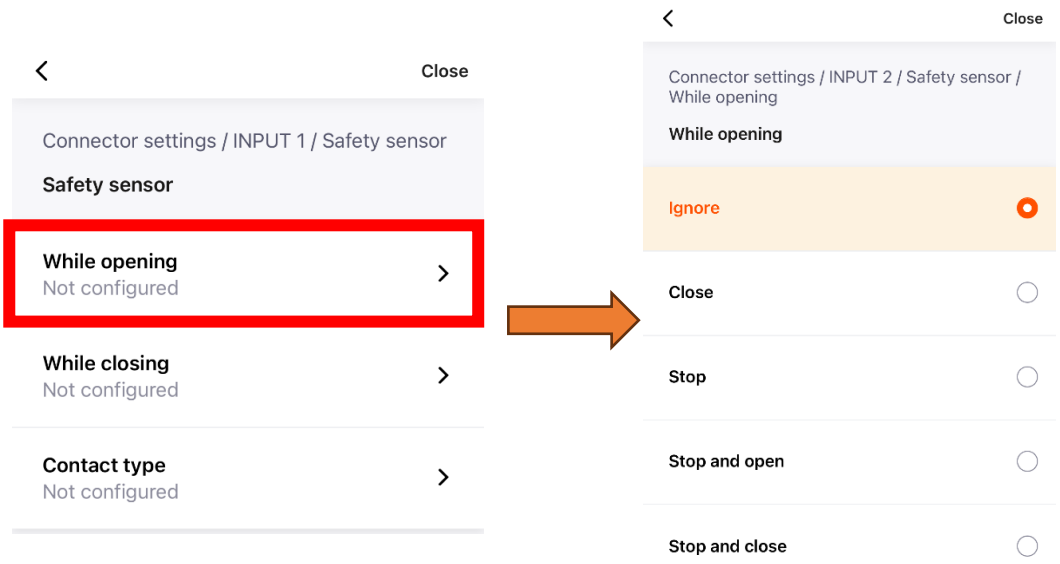
Safety sensor



The configuration of the safety sensor option allows to control the operation of the Venus, using external sensors (e.g. photocells, light curtain). The Safety sensor setting has three configurable options. By default, the Venus device executes the command immediately (without delay) after detecting a signal from the external sensor. You can change the delay time via the "Delay after unlocking" function.

While opening

Controls the Venus operation during the opening of the gate. If the option is set to anything else except Ignore, a triggered safety sensor will also prevent the gate from starting an opening motion.



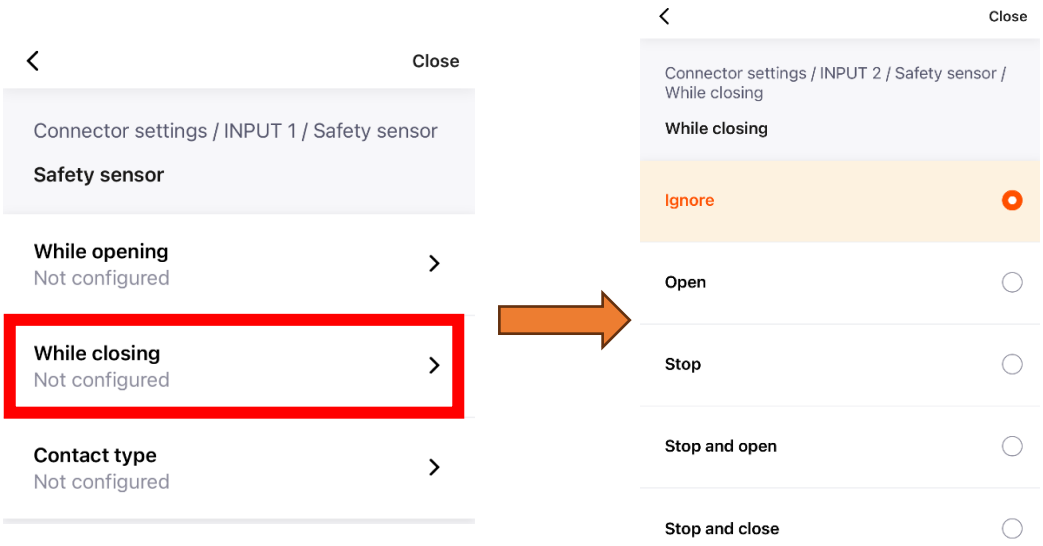
Set up different motor behaviors during the opening movement of the gate:

- **Ignore**: no change, the sensor input signal is ignored.
- **Close**: if the sensor is triggered during the opening movement, it interrupts the opening of the gate and closes it immediately.
- **Stop**: if the sensor is triggered during the opening movement, it interrupts the opening of the gate and stops it.

- **Stop and open**: if the sensor is triggered during the opening movement, the gate stops. It opens once the signal is back in the default state, this depends on the chosen type (NO/NC).
- **Stop and close**: if the sensor is triggered during the opening movement, the gate stops. It closes once the signal is back in the default state, this depends on the chosen type (NO/NC).

While closing

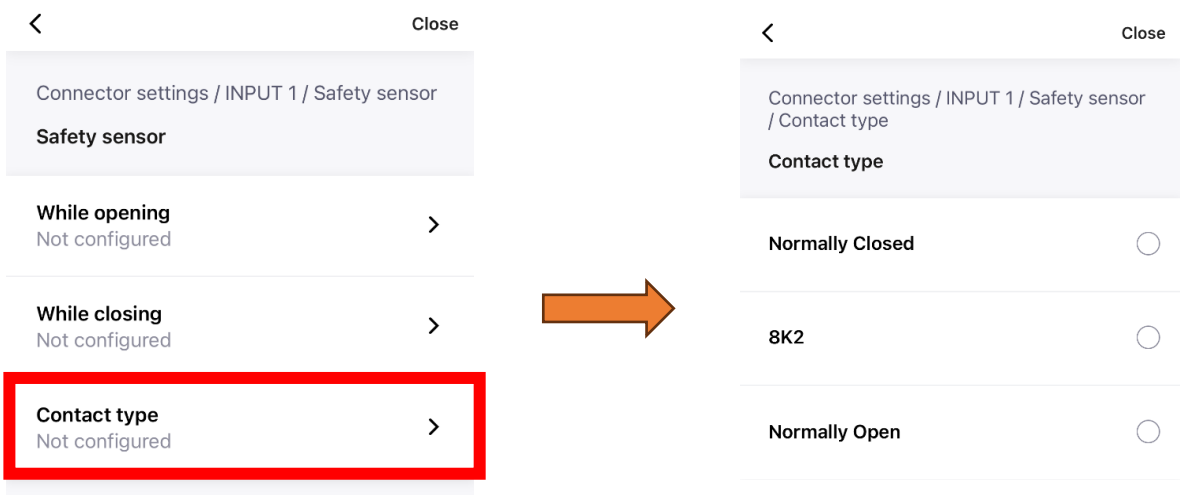
Controls the Venus operation during the closing of the gate. If the option is set to anything except Ignore, a triggered safety sensor will also prevent the gate from starting a closing motion.



Set up different motor behaviors during the closing movement of the gate:

- **Ignore**: no change, the sensor input signal is ignored.
- **Open**: if the sensor is triggered during the closing movement, it interrupts the closing of the gate and opens it immediately.
- **Stop**: if the sensor is triggered during the closing movement, it interrupts the closing of the gate and stops it.
- **Stop and open**: if the sensor is triggered during the closing movement, the gate stops. It opens once the signal is back in the default state, this depends on the chosen type (NO/NC).
- **Stop and close**: if the sensor is triggered during the closing movement, the gate stops. It closes once the signal is back in the default state, this depends on the chosen type (NO/NC).

Contact type allows to select the appropriate type of control signal: Normally Open, Normally Closed and 8K2 safety edge.



Motor settings

After configuring and saving the parameters for the Inputs and Outputs of Venus, the application moves to the second page, which allows you to configure the operation of the **electric motor** and the **light parameters**.

The Venus electric motor can be configured with the following functions:

- Retries of reverse movement,
- Push and Go function,
- Pause time,
- Delay after unlocking,
- Close before unlock,
- Hold time after closing,
- Obstacle detection.

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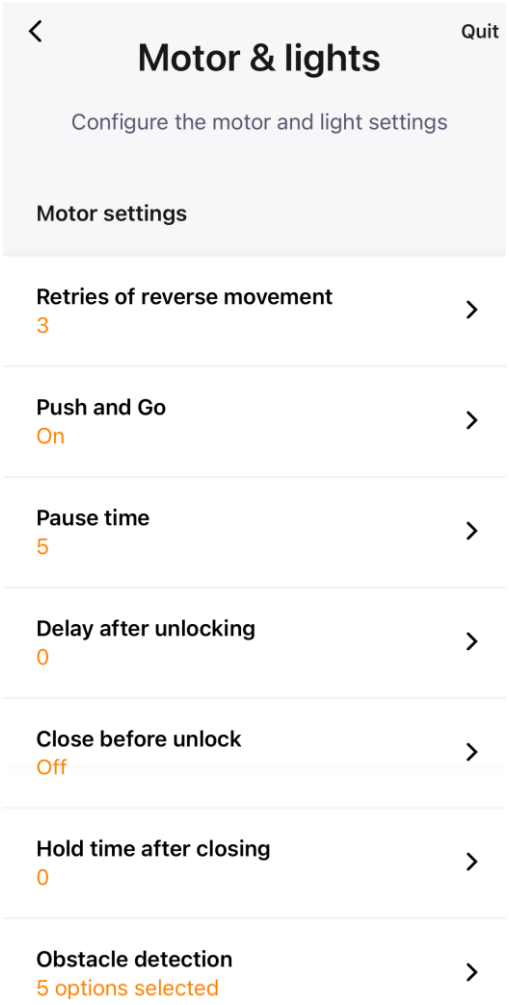

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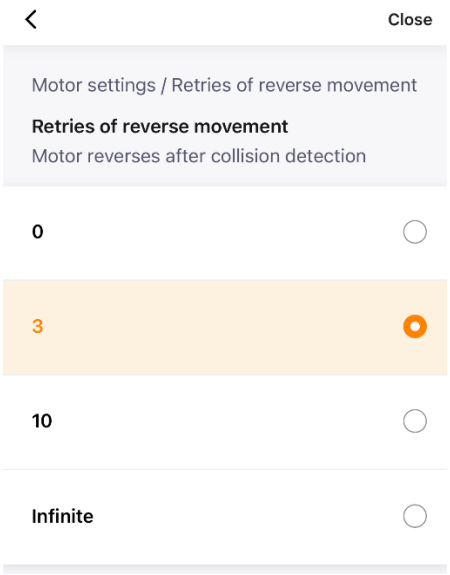
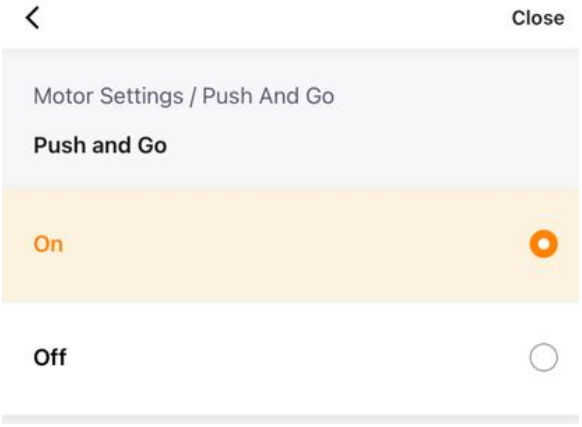
Number of Retries after Collision



The number of attempts to close the gate, in case of a collision during closing. In the event of a collision, the gate returns to the open position, and after the pause time, the Venus attempts to close the gate again. If the collision count is exceeded, the gate fully opens and remains open until it is closed manually. The application allows you to set a quantity of: 0, 3, 10 and infinite. The default value is 3 attempts. This function does not work in case of a collision during opening, in that case, Venus will automatically return to the closed position and wait for a new opening command.

Push/Pull & GO



Enable or disable the Push&Go function. This function automatically starts operating the gate by manually pushing or pulling the gate for a few degrees. This function is recommended in Manual mode when using a mechanical keep. The default setting is “ON”.

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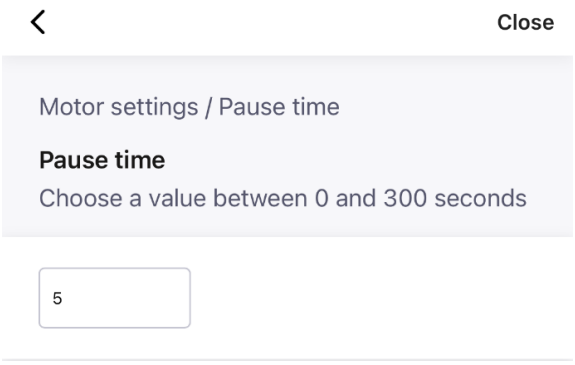
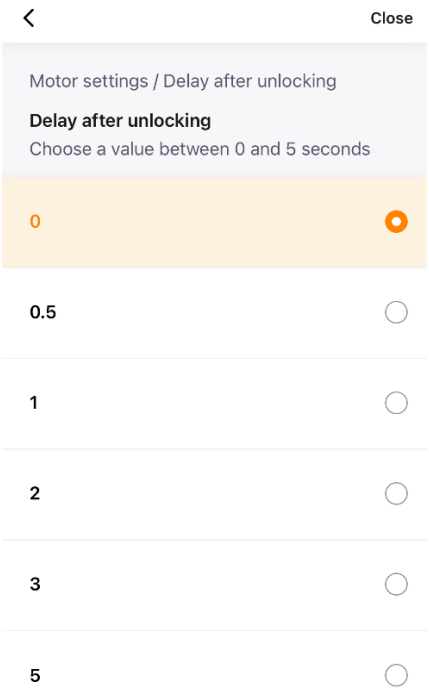
Pause time



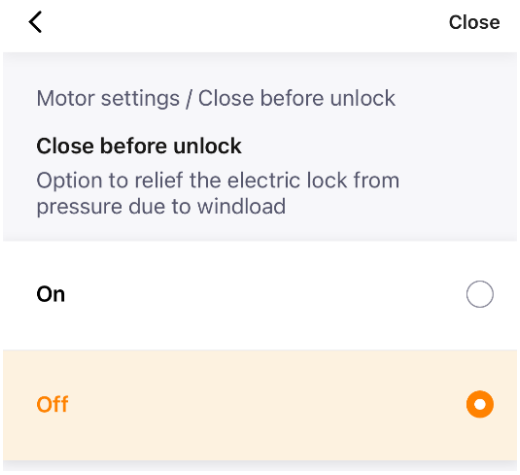
Set the pause time for automatically closing the gate after Venus reaches its fully open position. The possible range of the pause time is between 0 and 300 seconds (5 minutes). After this time, Venus will automatically close the gate. The default value is 5 seconds.

Delay after unlocking



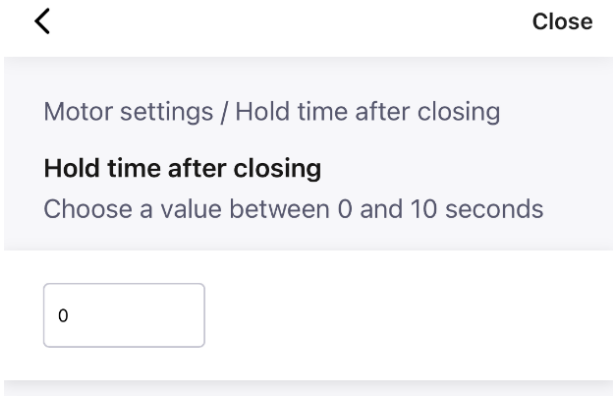
Set the delay time between the opening command and the actual opening of the gate. The options are: 0, 0.5, 1, 2, 3 or 5 seconds. The optimum (minimal) value is automatically set by Venus during the calibration step (the option of 5 seconds is not included during the calibration). This function could be used with maglocks to compensate for the demagnetizing time.

Close before unlock



If this function is activated, the motor will push the gate against the gate keep (closing direction) for 0.5 second to release the wind pressure from the lock latch before opening. After that time, Venus will automatically open the gate. This function is by default disabled. This function should be used for example in combination with the Locinox Electradrop. The push in the closing direction starts with the pre-flash.

Hold time after closing



Set the duration of the holding force after the gate is closed. Choose between 0 and 10 seconds. This function should be used for example in combination with a Locinox Electradrop to keep the gate in closed position, even under wind load, while the bolts drops in the ground stop.

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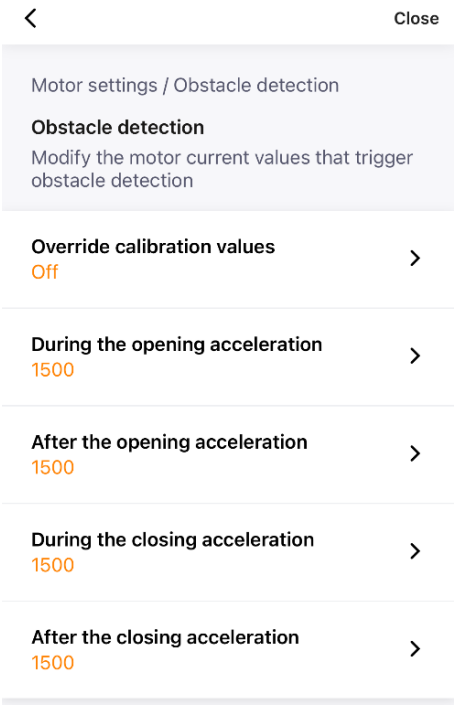
Obstacle detection



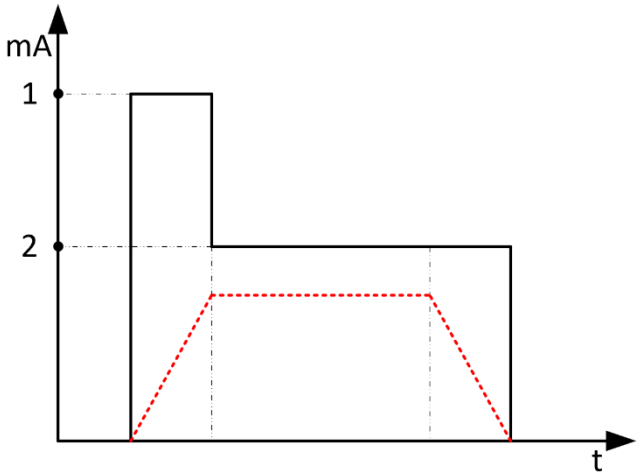
Important!

This option is advisable for qualified people who have the skills and knowledge of the correct configuration of the electric motor. Locinox assumes no responsibility for the Venus device not being installed and configured correctly. Be sure to comply with the relevant standards at the installation site and adapt the requirements to local laws. In compliance with Machine Directive 2006/42/EC, a risk analysis must be performed and automated gate identified in accordance with CE Marking directive 93/68/EEC before the system is commissioned.

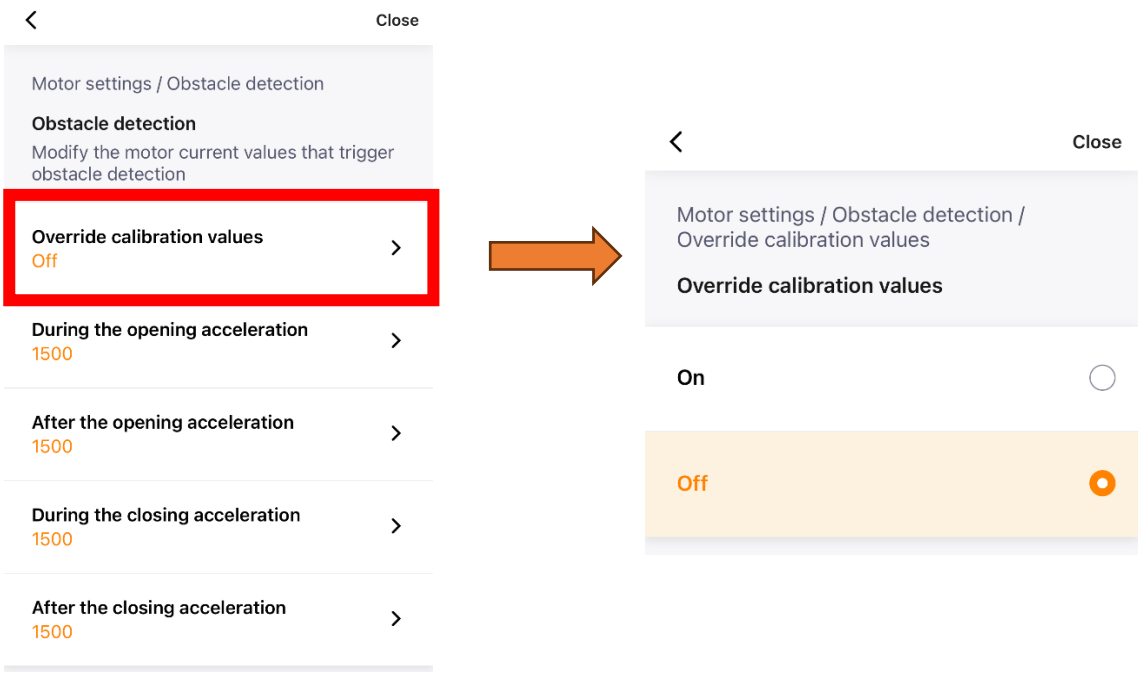
During the calibration step, the optimal motor current limits are automatically determined throughout the full opening and closing motion.

However, it is possible to override these automatic limits and set them manually. A separate obstacle detection current limit can be set for:

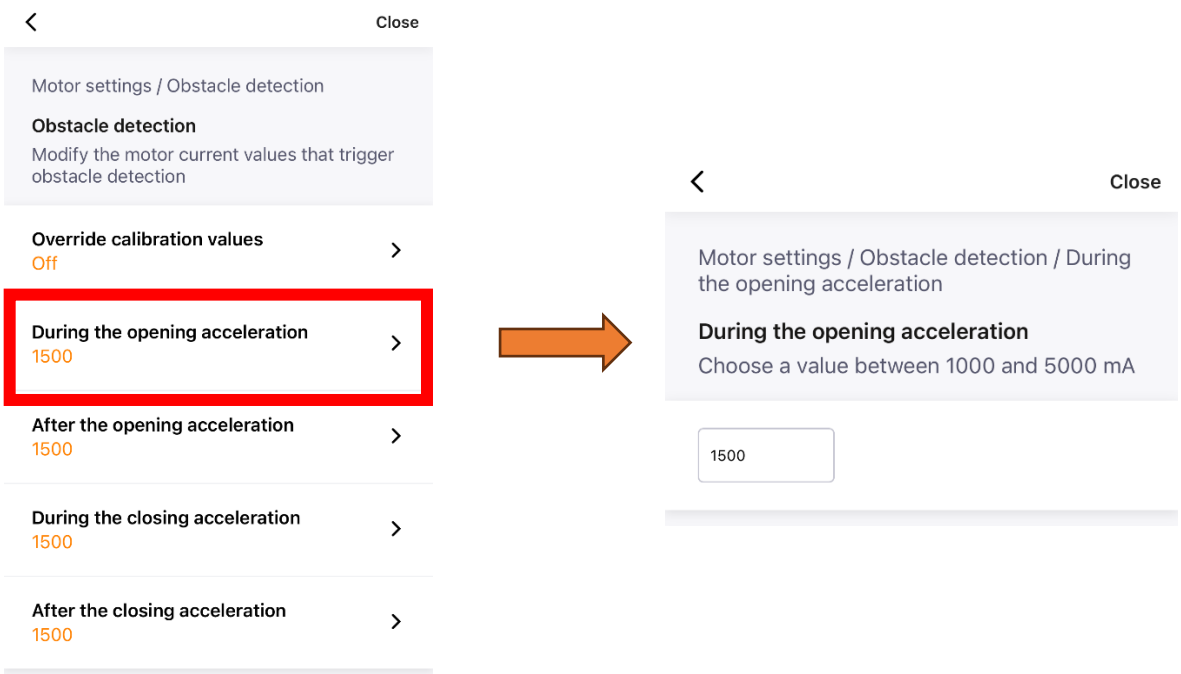
1. First phase during the gate acceleration
2. Second phase after the gate reached the maximum speed



The red dotted line indicates the speed of the Venus electric motor. When reaching phase 1, the motor does not accelerate and maintains a constant speed of movement. When reaching the final position, the motor automatically reduces its speed.

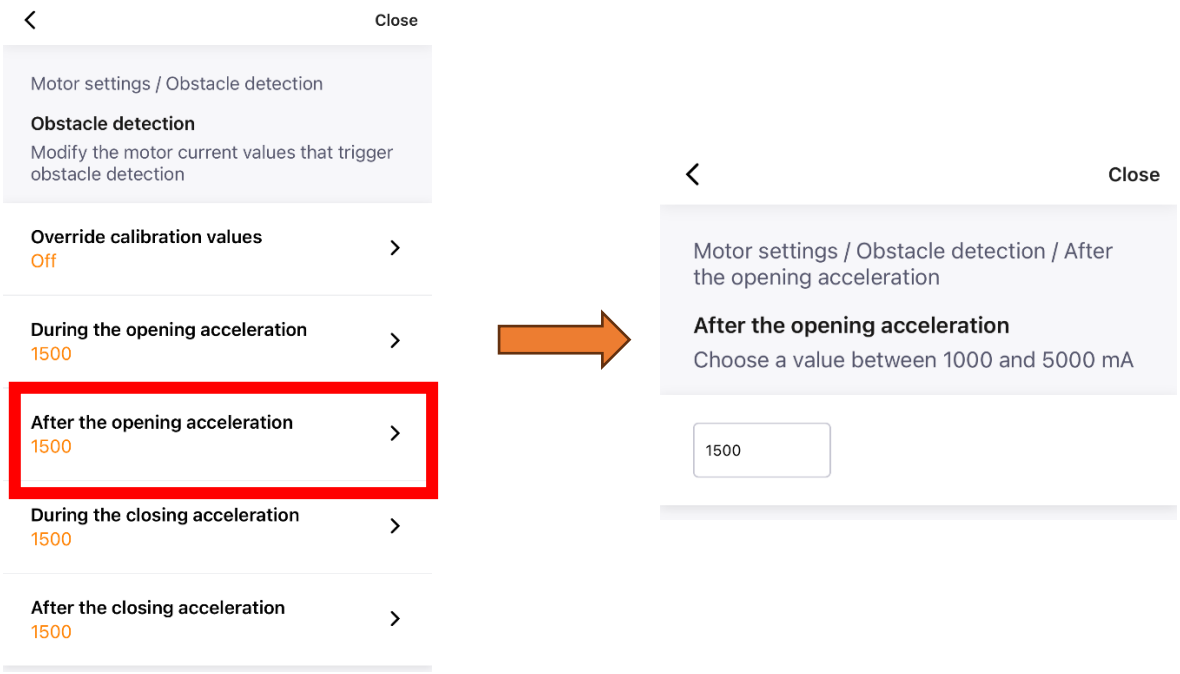


The “Override calibration values” option should be enabled to override the automatically determined overcurrent values.



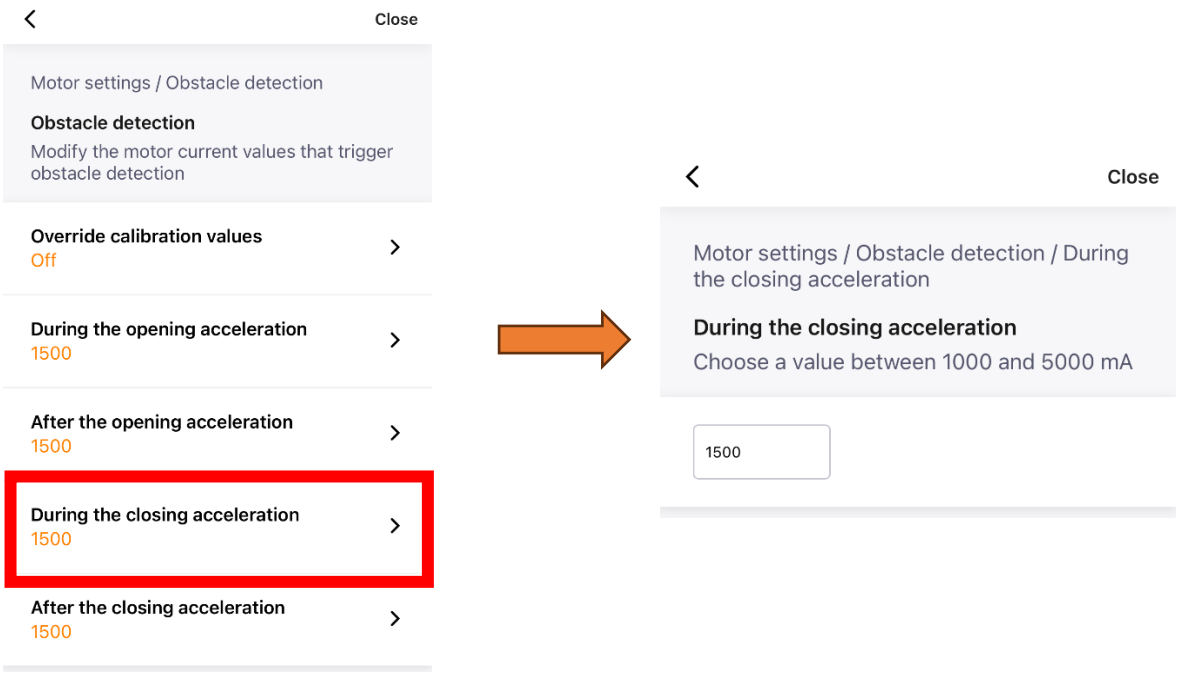
During the opening acceleration

Set the overcurrent value (mA) during the first phase of the opening movement of the gate, before the acceleration. Choose a value between 1000mA (minimum motor force) and 5000mA (maximum motor force).



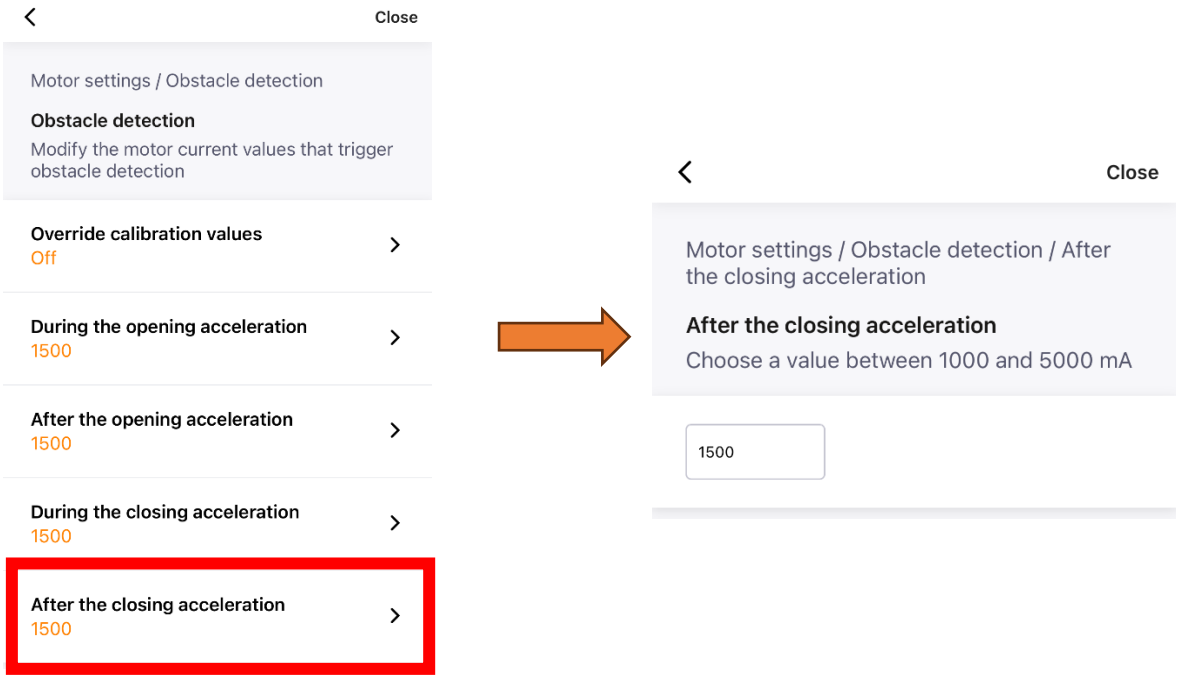
After the opening acceleration

Set the overcurrent value (mA) during the second phase of the opening movement of the gate, after the acceleration. Choose a value between 1000mA (minimum motor force) and 5000mA (maximum motor force).



During the closing acceleration

Set the overcurrent value (mA) during the first phase of the closing movement of the gate, before the acceleration. Choose a value between 1000mA (minimum motor force) and 5000mA (maximum motor force).



After the closing acceleration

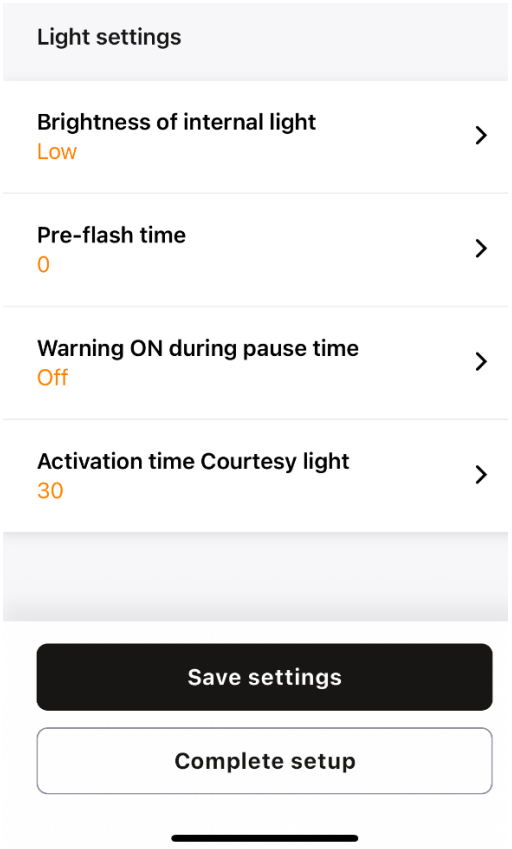
Set the overcurrent value (mA) during the second phase of the closing movement of the gate, after the acceleration. Choose a value between 1000mA (minimum motor force) and 5000mA (maximum motor force).

Light settings

After configuring and saving the parameters for the Inputs and Outputs of Venus, the application moves to the second page, which allows configuring the operation of the **electric motor** and the **light parameters**.

Following configuration settings are available for the lights:

- Brightness of internal light,
- Pre-flash time (both internal and external light),
- Warning ON during pause time (both internal and external light)
- Activation time Courtesy light (external)



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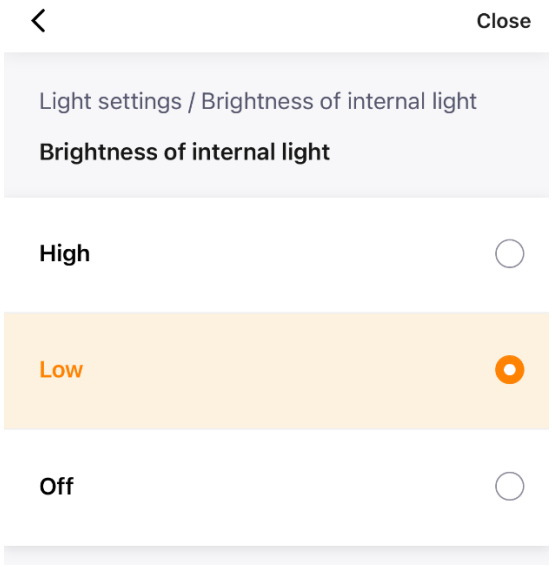
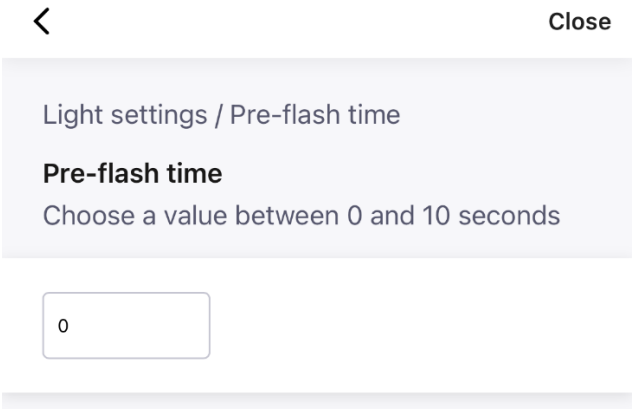
Brightness of internal light



Set the brightness of the integrated warning light located at the bottom of Venus, with following options:

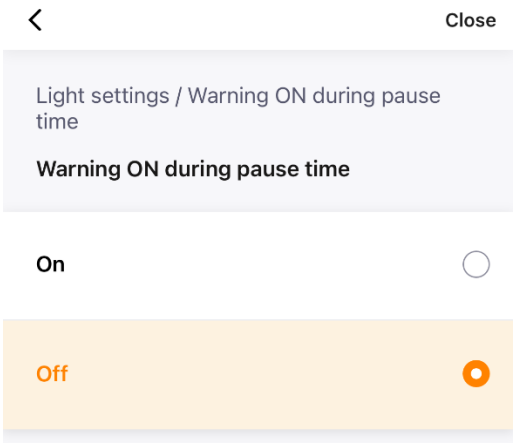
- **High**: activate the integrated warning light in Venus when opening or closing the gate and sets the maximum brightness of it.
- **Low**: activate the integrated warning light in Venus when opening or closing the gate and sets the minimum brightness of it.
- **Off**: complete deactivation of the integrated warning light when Venus opens or closes the gate.

Pre-flash time



Set the pre-flash time of the internal and optional external warning light. This parameter applies to the opening and closing of the gate. Choose a value between 0 and 10 seconds. The lock is not released during the pre-flash period. The gate only starts the movement after the pre-flash time has finished. This function should be set to at least 3 seconds if the Venus is combined with Electradrop, to allow for the bolt to completely lift.

Warning ON during pause time

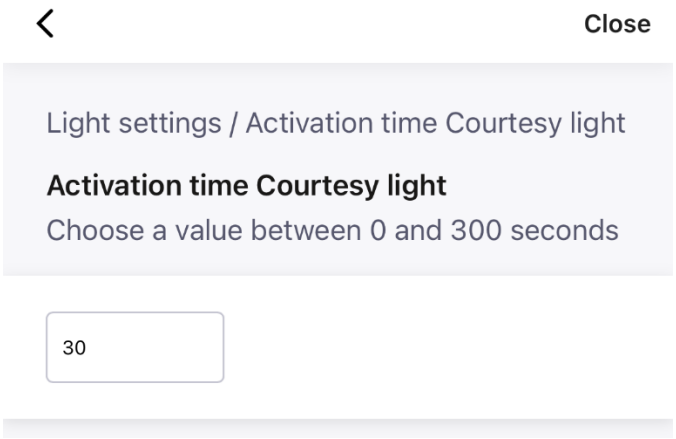


The warning light can continue flashing during pause time; the time between opening and automatic closing of the gate. This function can be:

- ON: the warning light flashes when the gate is in the open position during pause time
- OFF: the warning light does not flash when the gate is in the open position during pause time

This setting is disabled by default.

Activation time Courtesy light



Set the auto-off timer of the external light starting after each movement. Choose a value between 0 and 300 seconds (5 minutes). The default value is 30 seconds. This applies to the output terminal that is configured as Courtesy light.

Output -> Light -> Courtesy light

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