

PROEDGE

INSTALLATION MANUAL

FTI SECURITY
SYSTEMS

ASSA ABLOY

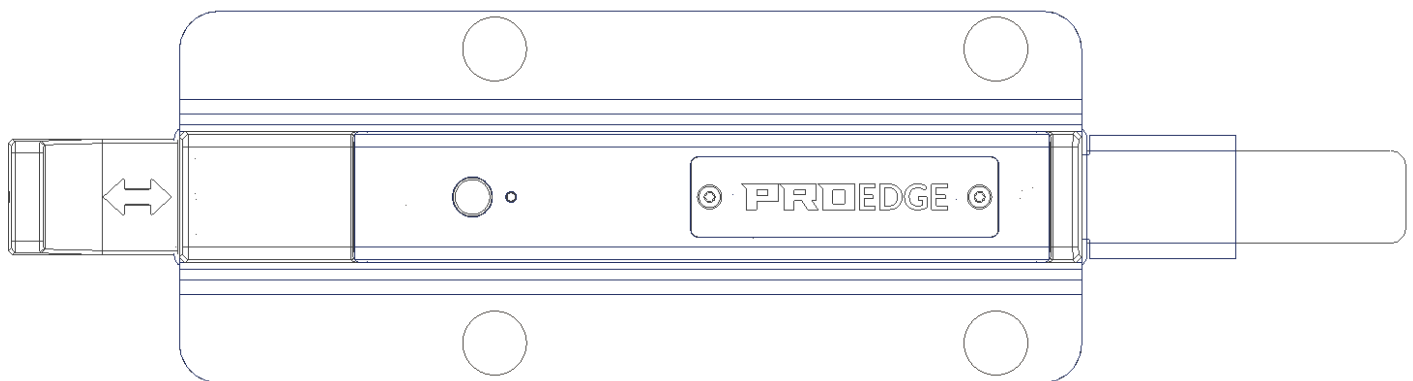
2026

PROEDGE

Installation Manual

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PROEDGE Smart Lock

INSTALLATION MANUAL

PROEDGE INSTALLATION MANUAL

Sales: +1.800.523.9504
Support: +1.866.240.7602
Web: ptisecurity.com

Rev G – September 2026

INTRODUCTION

This document describes the installation process of the ProEdge Smart Lock for the following door configuration(s): **Mini Door Series: 650, 650I, 690, 750 and 850**



FCC & Japan Compliance Notice: This product has been tested and found to comply with applicable FCC, ISED Canada, and Health Canada requirements. It meets FCC Part 15 Class A limits for digital devices and applicable RF exposure standards. This equipment generates and uses radio frequency energy and may cause interference if not installed and operated according to instructions. Interference-free operation cannot be guaranteed in all installations.

This product contains a radio component certified under Japan's Radio Law. The certification applies only to the Bluetooth Low Energy (BLE) function. The 13.56 MHz RFID/NFC function is used solely for short-range credential reading. Certification Number: 218-260943 (本製品には、電波法に基づく技術基準適合証明等を受けた特定無線設備を装着しています 電波法認証はBluetooth Low Energy (BLE) 無線機能に適用されます。13.56MHz RFID/NFC機能は近距離認証用途として使用されます。工事設計認証番号: 218-260943)

Do not modify this product, as modifications may void compliance with Japanese Radio Law requirements.

本製品の改造は禁止されています。改造した場合は電波法に基づく認証が無効となる場合があります

Tested to the following standards and regulations:

- FCC 47 CFR Part 2 Subpart J, §2.1093
- FCC 47 CFR Part 15, Subpart B – Verification
- FCC 47 CFR Part 15 Subpart C, §15.247
- FCC KDB 447498 D01 General RF Exposure Guidance v06
- ISED Canada RSS-102 Issue 5 Amendment 1 (February 2021)
- RSS-247 Issue 2 (February 2017), Section 5
- ICES-003 Issue 7 (October 2020)
- Health Canada Safety Code 6

Note: Ensure the Cloud Controller and Gateway(s) reside on the same LAN to support local phoneless mode.

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TOOLS REQUIRED FOR THE INSTALLATION

Torx key set		Drillbits (Preferably HSS for metal)	
Electrical drill		10mm socket incl wrench	

Technical Specifications

Battery type	LM17500
Battery voltage	3V
Battery capacity	3AH
Battery lifetime	3 years

General Specifications

Operating temperature	-35°C to +66°C (-31°F to 151°F)
Storage temperature	10°C to 30°C (50°F to 86°F)
Operating humidity	10%-90% RH (Non-condensing)
Storage humidity	10%-80% RH (Non-condensing)
MTBF	25,000 cycles
Expected lifetime	11 years @ 6 cycles per day
Ingress protection level	55

Additional Certifications & Restrictions

Giteki Mark/Certification	技適マーク認証情報 (Giteki Mark Certification Information)
Indoor Use Restriction (5GHz Wi-Fi)	電波法により5.2/5.3GHz帯は屋内使用に限ります。(Due to the Radio Law, the 5.2/5.3 GHz band is restricted to indoor use.)
Usage Prohibition (No Modification)	本製品の改造は禁止されています。(Modification of this product is prohibited.)
Interference Warning	本機は、電波法に基づく技術基準適合証明等を受けた特定無線設備を内蔵しています。(This device contains Specified Radio Equipment that has received Technical Regulation Conformity Certification based on the Radio Law.)

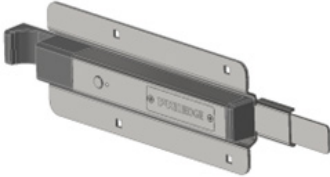
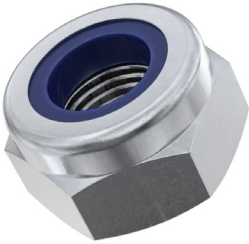


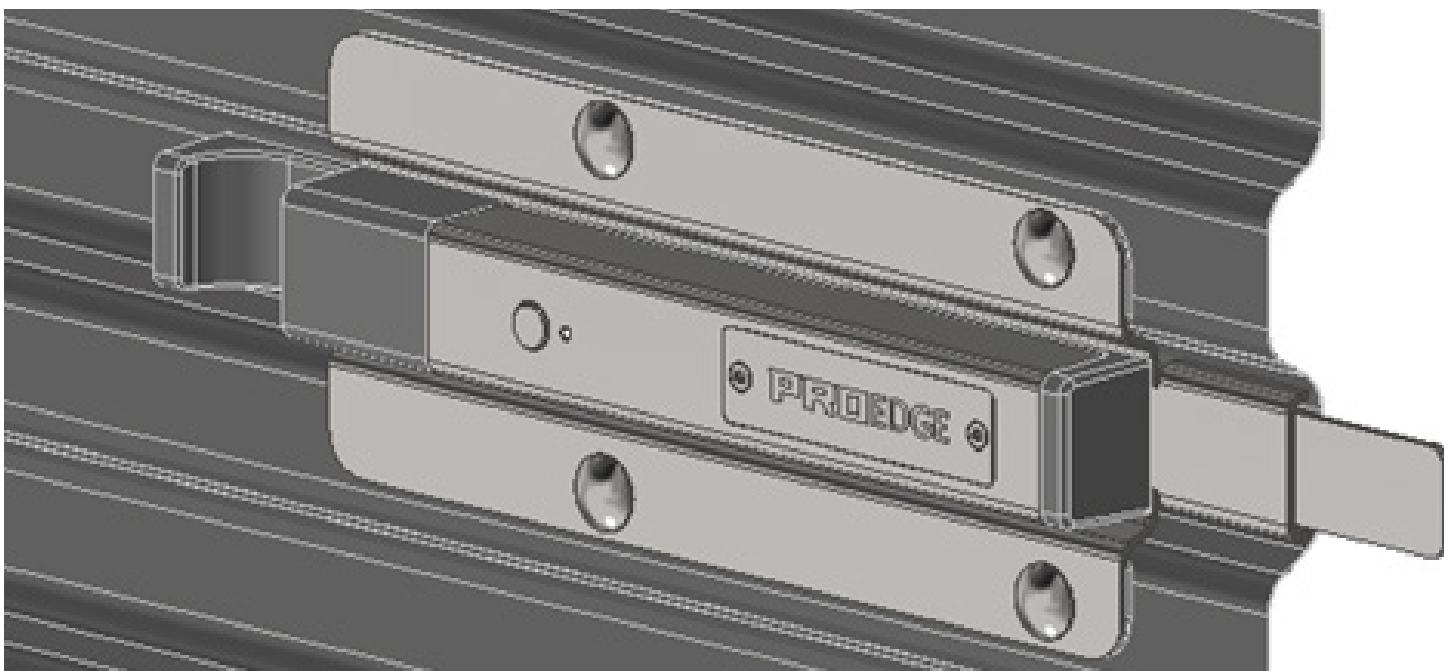
PROEDGE Smart Lock

INSTALLATION MANUAL | CORRUGATED DOORS

The following sections will give the reader an introduction to installing a ProEdge Smart Lock on a corrugated door for new builds and retrofits.

THE PACKAGE FOR THIS PROEDGE SMART LOCK CONTAINS:

ProEdge smartlock assembly - for corrugated doors		Four (4) M6 form A flat washers (DIN125)	
Four (4) M6 carriage bolt (DIN 603) A4		(2) Filt strips	
Four (4) M6 hexagon nylon locking nuts (DIN685) A4			



PROEDGE Smart Lock

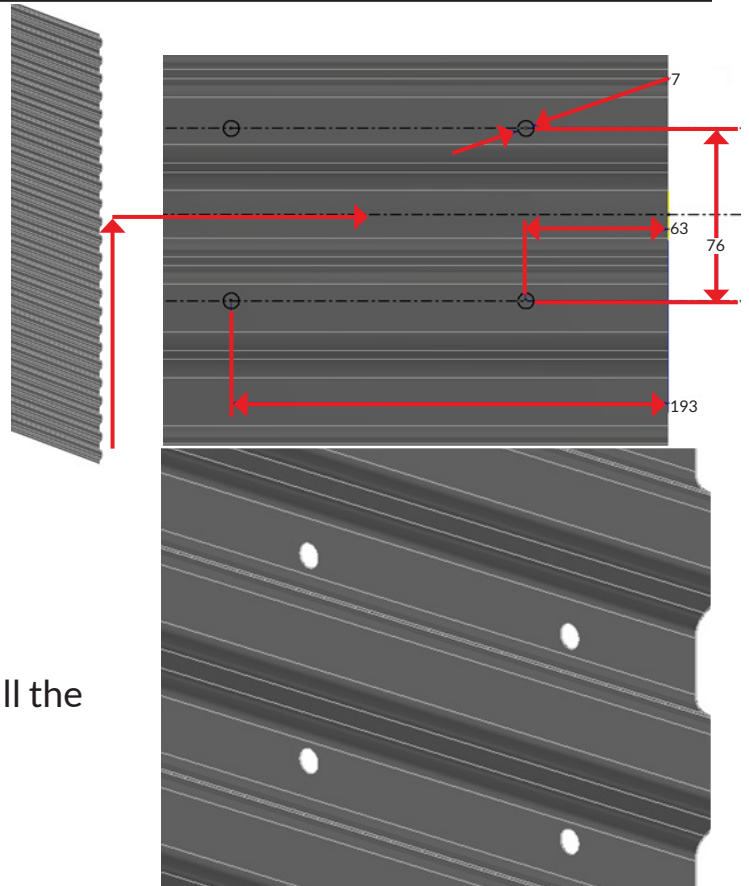
INSTALLATION MANUAL | CORRUGATED DOORS

NEW INSTALLATION ON CORRUGATED DOORS

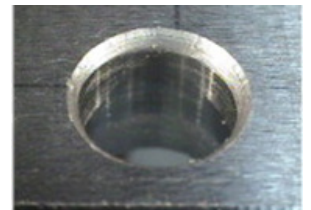
Measure from bottom of door to centerline of the four (4) holes: 1000mm.

Mark the four (4) holes for the latch as per specifications.

With an electrical drill and drill bit $\varnothing 7\text{mm}$, drill the four (4) holes in the door.



Note: Make sure to remove any debris/burrs on the backside where the drill penetrated.



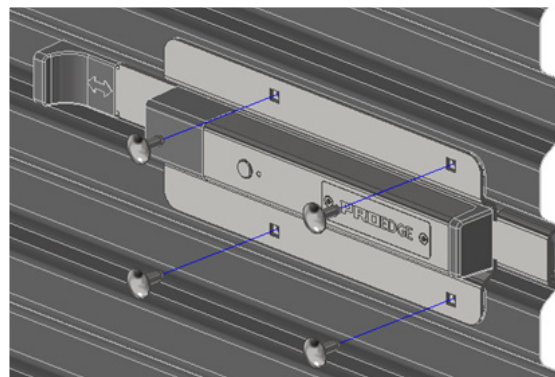
Put the lock in the “unlocked” position.



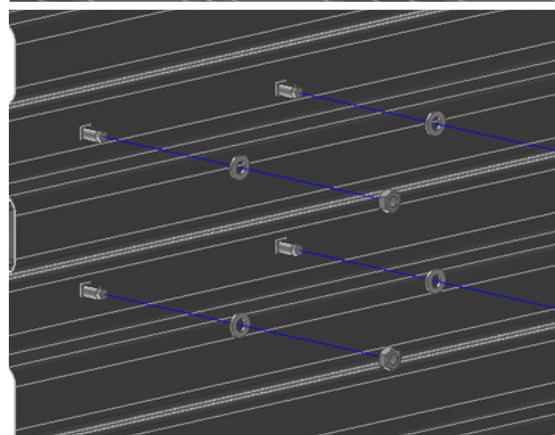
PROEDGE Smart Lock

INSTALLATION MANUAL | CORRUGATED DOORS

Mount the four (4) M6 carriage bolts.

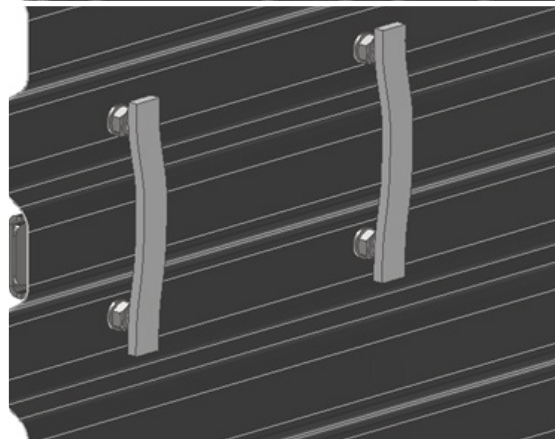
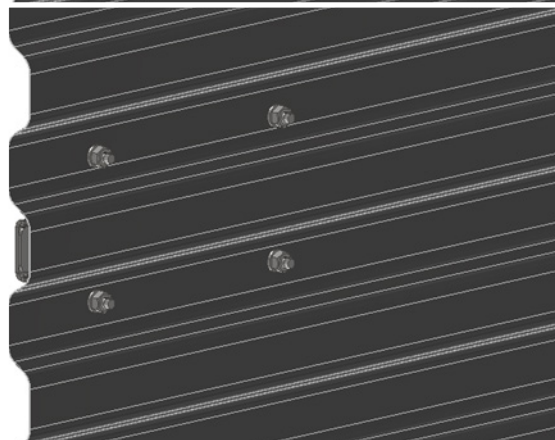


Mount the washers and nuts on the backside.



Note: All bolts and nuts must be tightened with a torque between 7Nm and 9Nm.

Apply the felt over the nuts to prevent any scratching.



PROEDGE Smart Lock

INSTALLATION MANUAL | CORRUGATED DOORS

Test the slider movement for any possible collisions.



The lock is now ready for comissioning.

RETROFIT INSTALLATION ON CORRUGATED DOOR

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INSTALLATION MANUAL | CORRUGATED DOORS

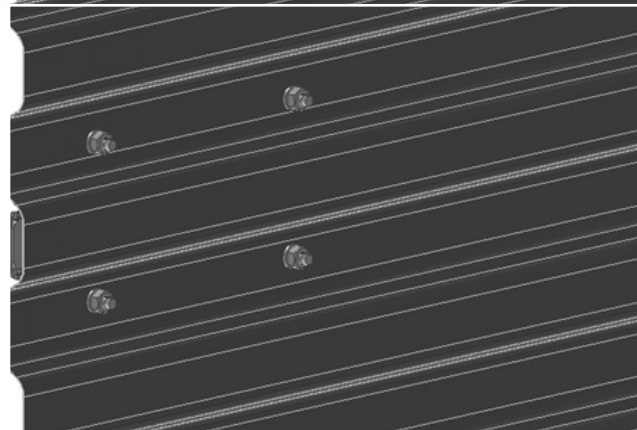
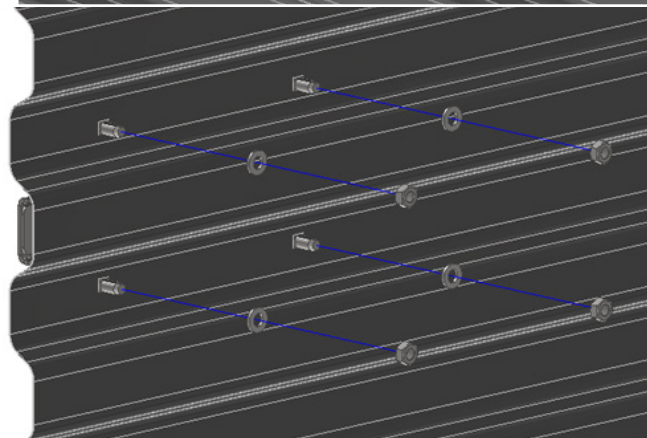
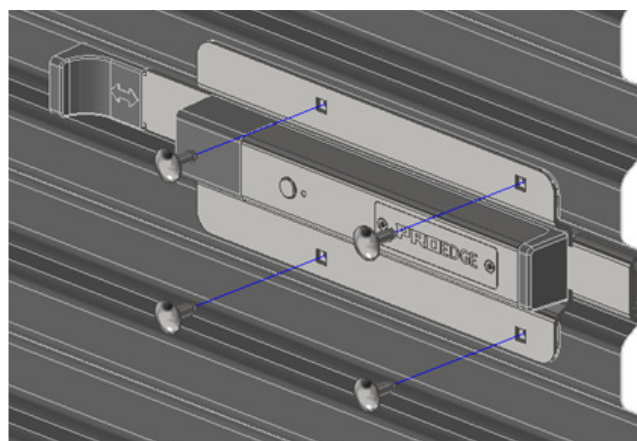
As earlier describes, the ProEdge Smart Lock can be retrofitted on C-486 latches using the same bolt pattern.

Put the lock in the “unlocked” position.

Mount the four (4) M6 carriage bolts.

Mount the washers and nuts on the backside.

Note: It is recommended to tighten all bolts and nuts with a torque between 7Nm and 9Nm



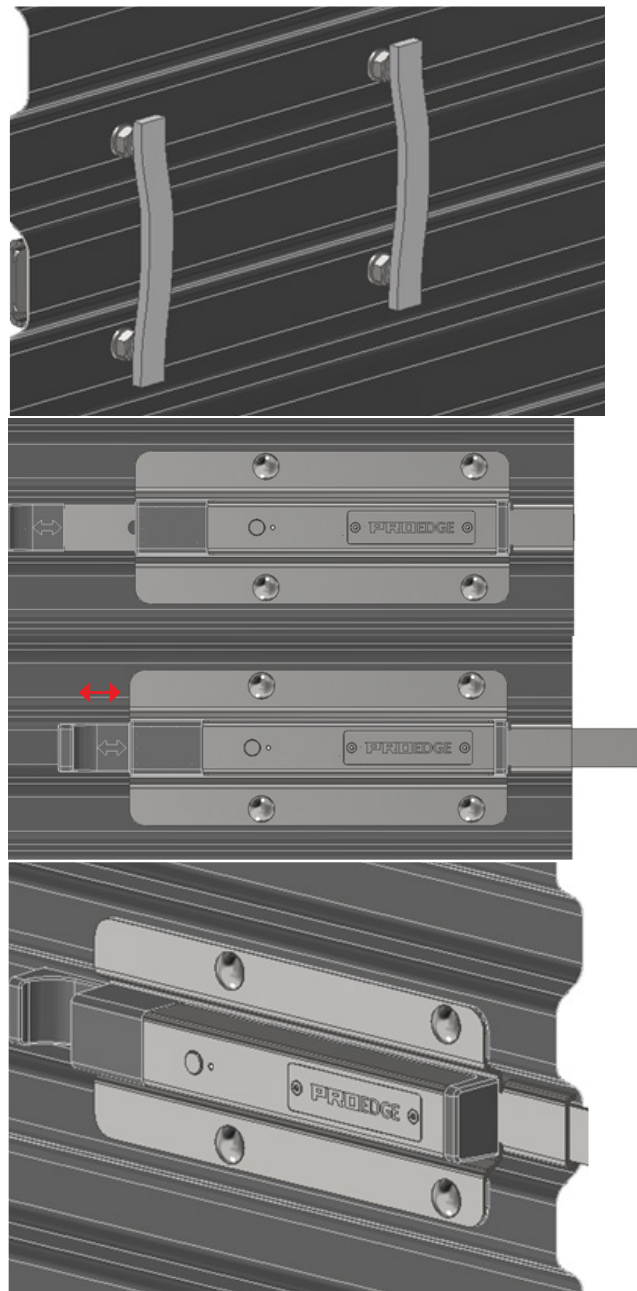
PROEDGE Smart Lock

INSTALLATION MANUAL | CORRUGATED DOORS

Apply the felt over the nuts to prevent any scratching.

Test the slider movement for any possible collisions.

The lock is now ready for commissioning.



WARRANTY & DISCLAIMER

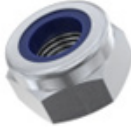
PTI Security Systems warrants its products and equipment to conform to its own specifications and to

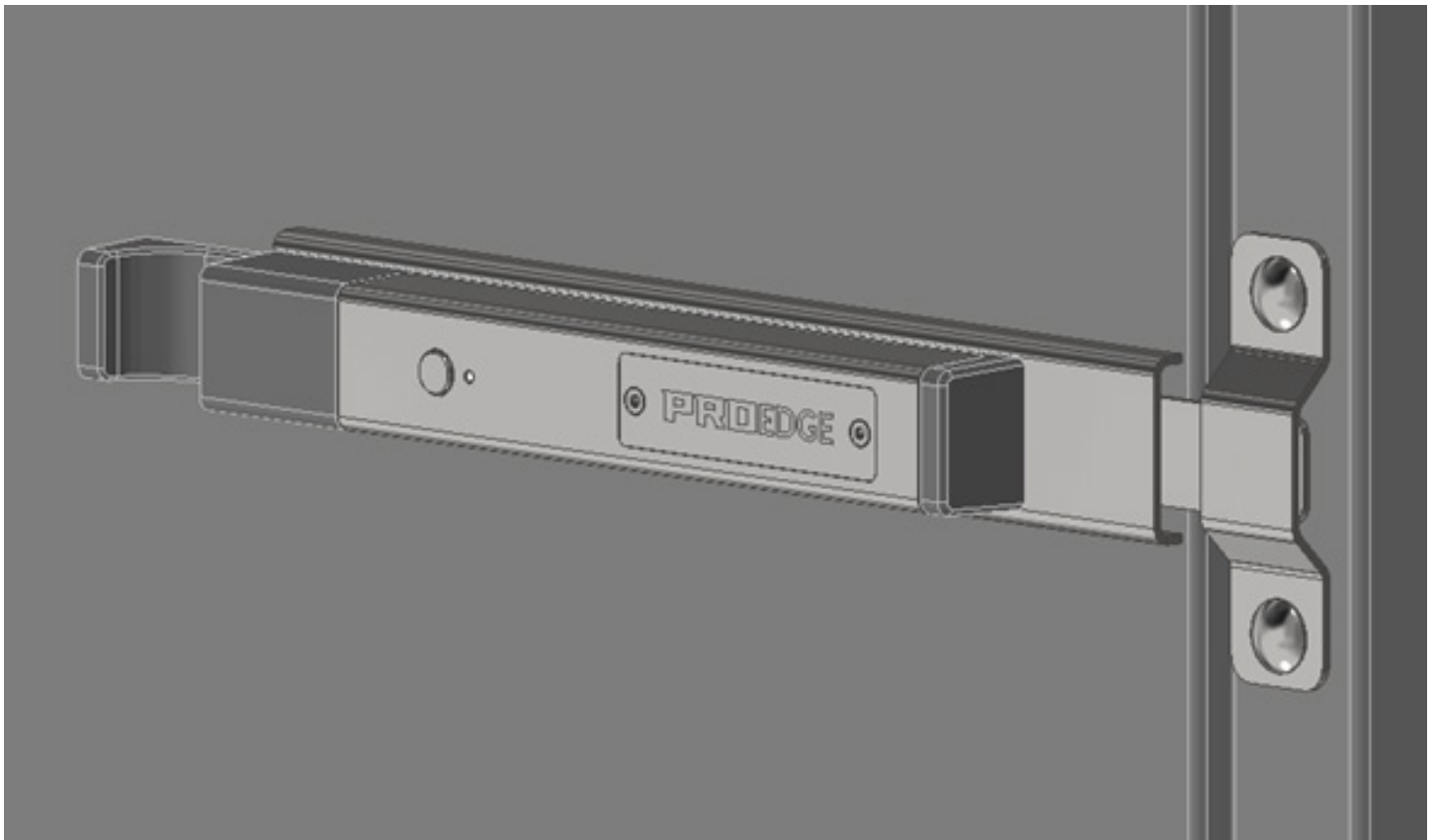
PROEDGE Smart Lock

INSTALLATION MANUAL | FLAT DOORS

The following sections will give the reader an introduction to installing a ProEdge Smart Lock on a flat door for new builds and retrofits.

THE PACKAGE FOR THIS PROEDGE SMARTLOCK CONTAINS:

(1) ProEdge smartlock assembly		(1) Backplate	
(1) Strike		(2) M6 carriage bolt (DIN 603) A4	
(2) M6 hexagon nylon locking nuts (DIN685) A4		(2) M6 form A flat washers (DIN125)	



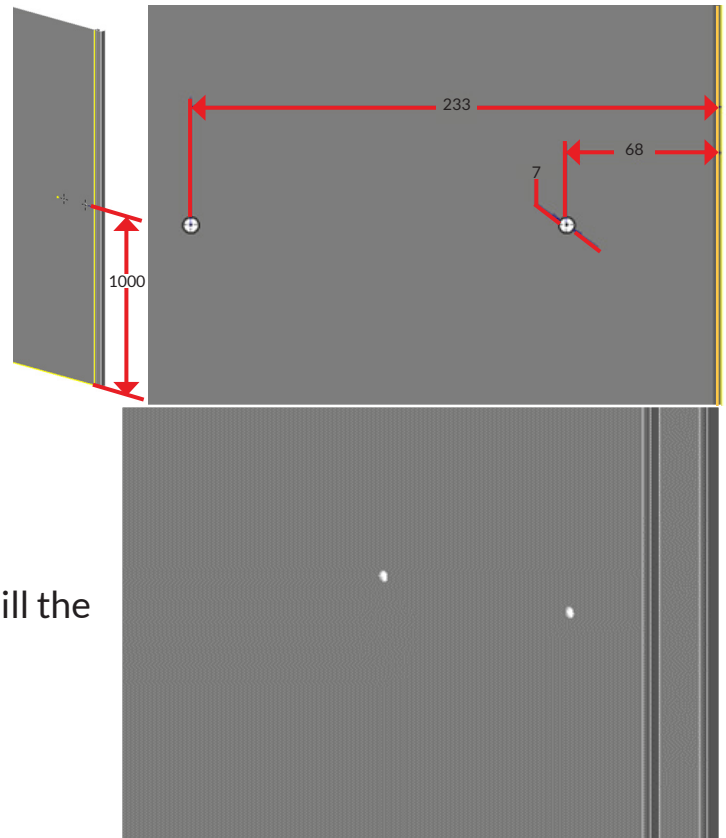
PROEDGE Smart Lock

INSTALLATION MANUAL | FLAT DOORS

NEW INSTALLATION ON FLAT DOORS

Measure from bottom of door to centerline of the 2x holes: 1000mm.

Mark the 2x holes for the latch as per specifications to the edge of the door (Yellow line).



With an electrical drill and drill bit Ø7mm, drill the 2x holes in the door.



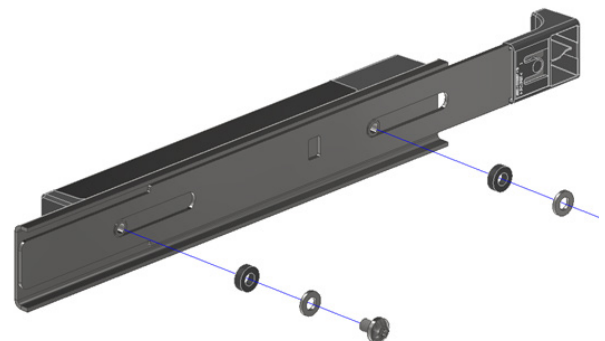
Note: Make sure to remove any debris/burrs on the backside where the drill penetrated.



Demount the 2x M6 bolts, washers and spacers



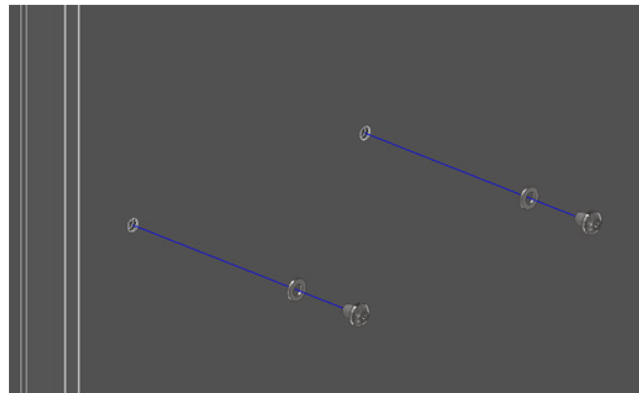
Apply thread locking Loctite 2700 onto the 2 screws and follow the suppliers instructions.



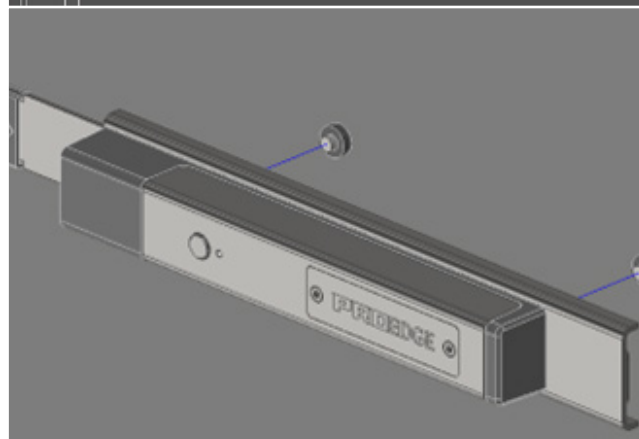
PROEDGE Smart Lock

INSTALLATION MANUAL | FLAT DOORS

From the back of the door, put the M6 bolts through the washers and door



From the front of the door, mount the spacers and lock



Tighten the bolts



Note: All bolts and nuts must be tightened with a torque between 7Nm and 10Nm

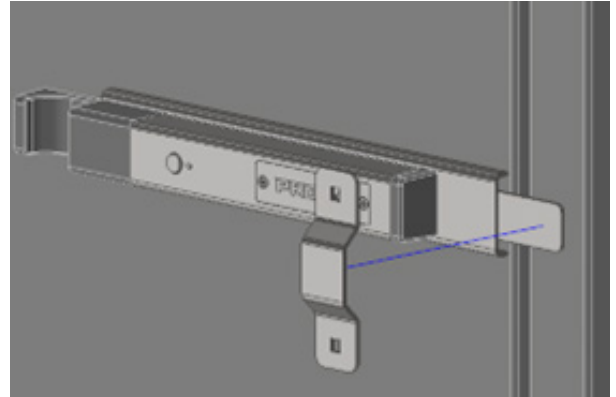
Put the lock in the “locked” position



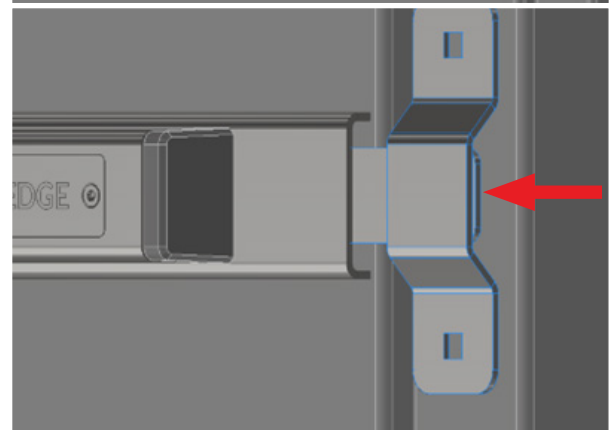
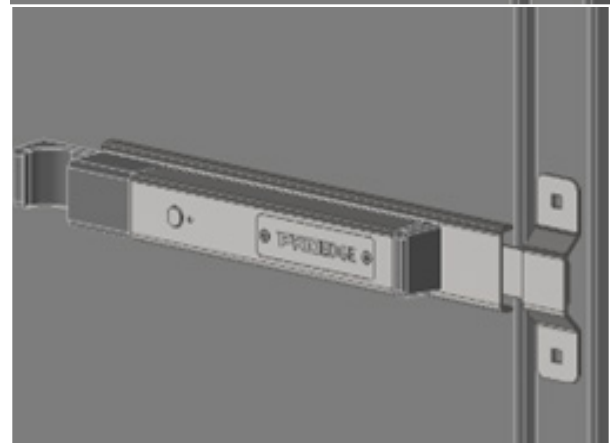
PROEDGE Smart Lock

INSTALLATION MANUAL | FLAT DOORS

Put the Strike plate on top of the slider



Align the strike horizontally – it must be flush with the end of the slider



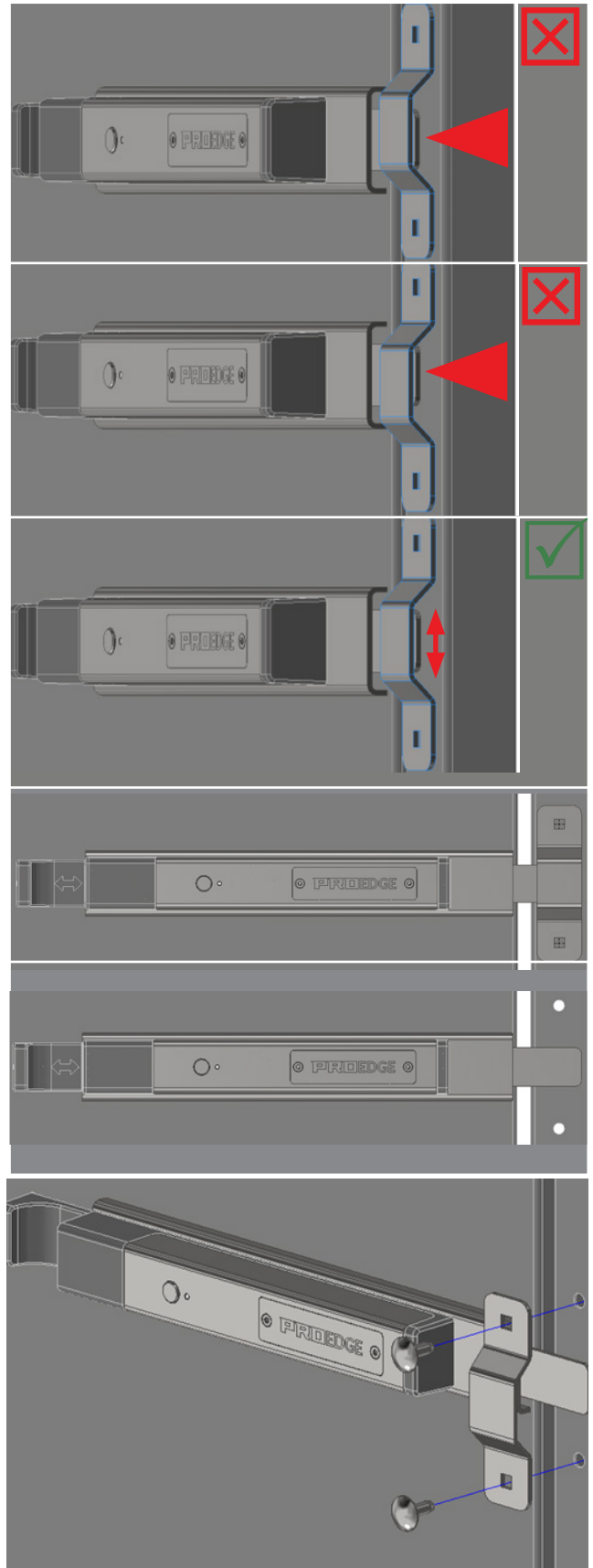
PROEDGE Smart Lock

INSTALLATION MANUAL | FLAT DOORS

Align the strike horizontally – it must be centered

Mark the 2x holes

Remove the strike and drill with a 7mm drill

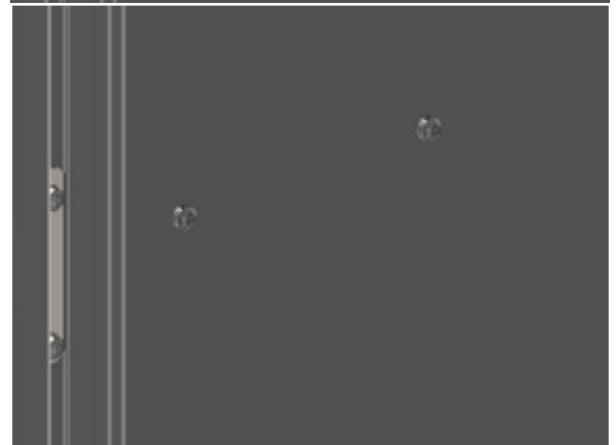
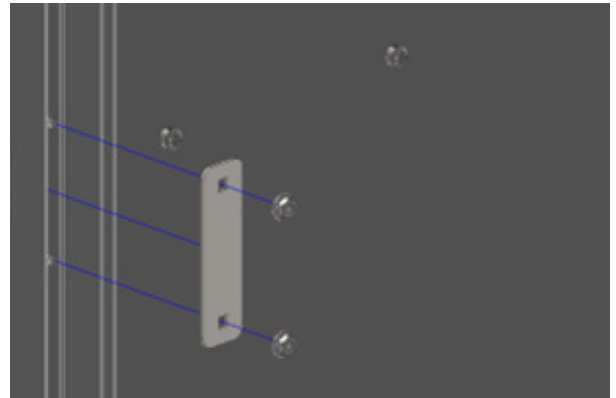


PROEDGE Smart Lock

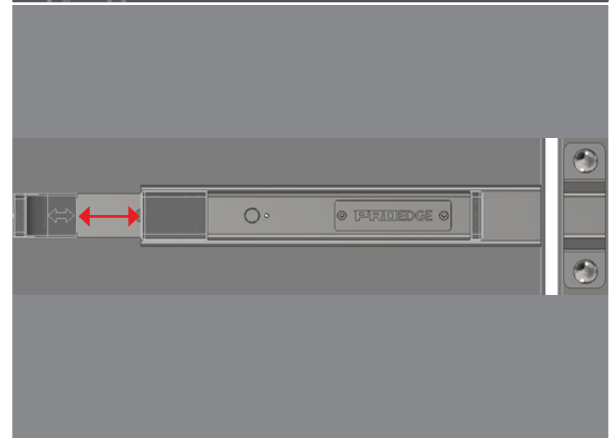
INSTALLATION MANUAL | FLAT DOORS



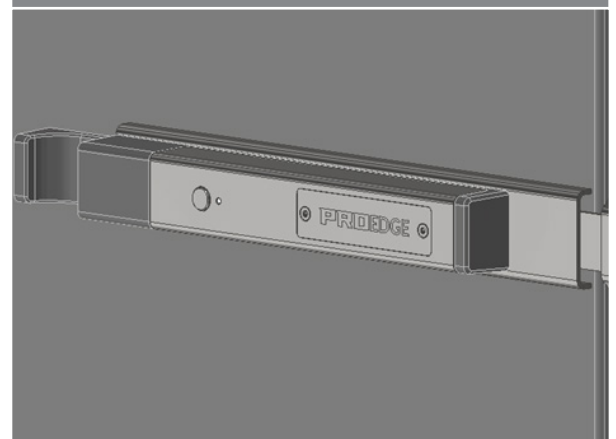
Note: All bolts and nuts must be tightened with a torque between 7Nm and 9Nm



Make sure the slider can slide with no collisions



The lock is now ready for commissioning



PROEDGE Smart Lock

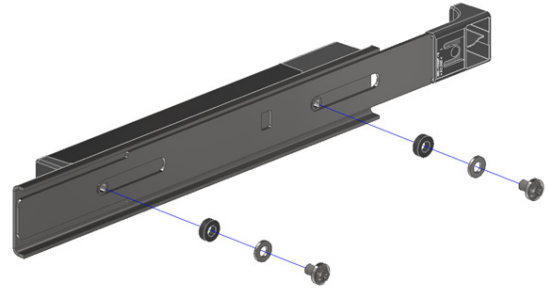
INSTALLATION MANUAL | FLAT DOORS

RETROFIT INSTALLATION ON A FLAT DOOR

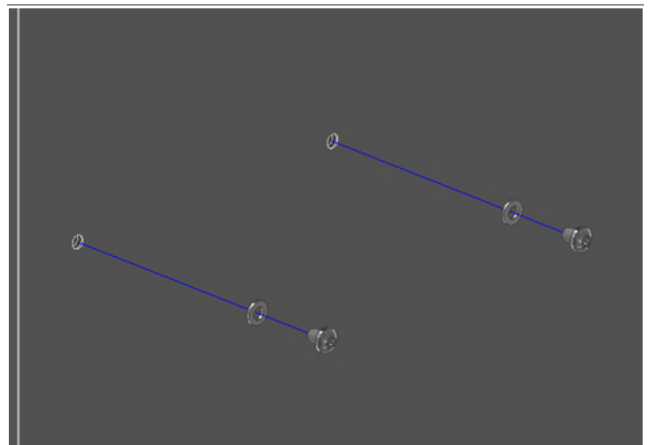
Demount the 2x M6 bolts, washers and spacers



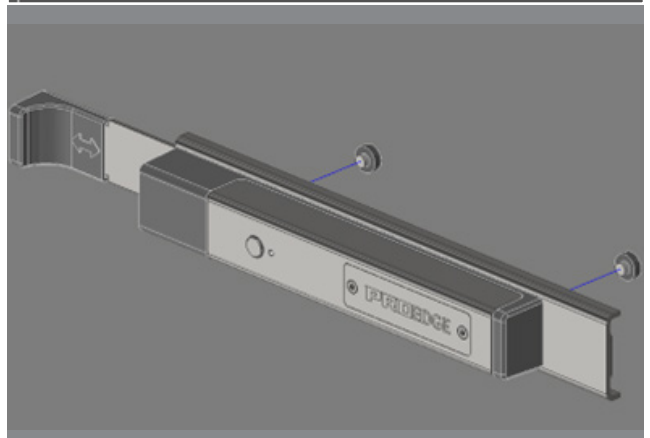
Apply thread locking Loctite 2700 onto the 2 screws and follow the suppliers instructions.



From the back of the door, put the M6 bolts through the washers and door



From the front of the door, mount the spacers and lock



Tighten the bolts



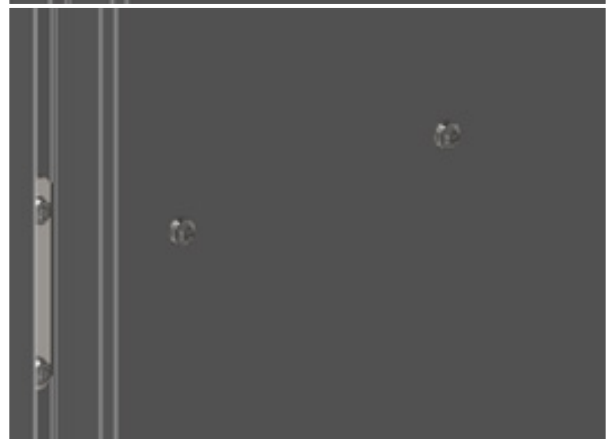
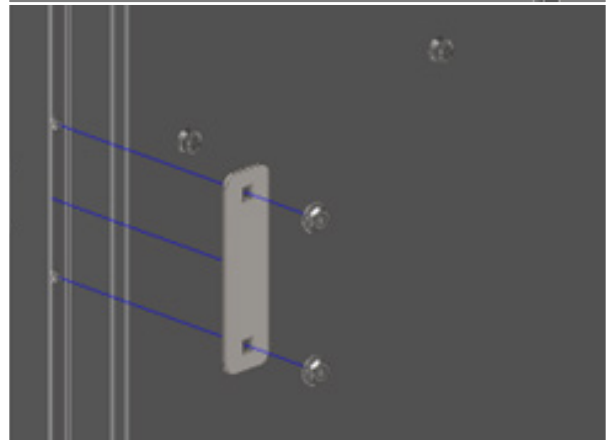
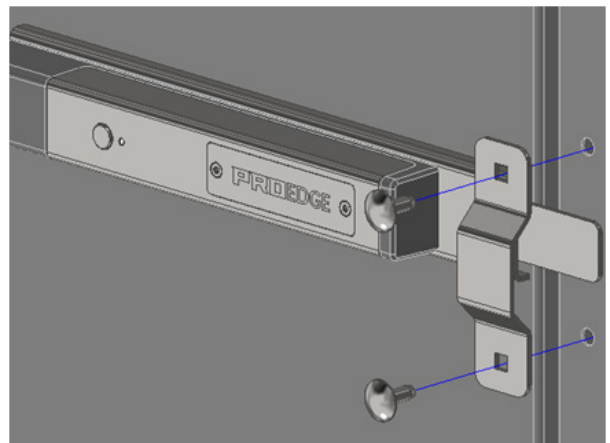
Note: All bolts and nuts must be tightened with a torque between 7Nm and 9Nm



PROEDGE Smart Lock

INSTALLATION MANUAL | FLAT DOORS

Put the lock in the “locked” position

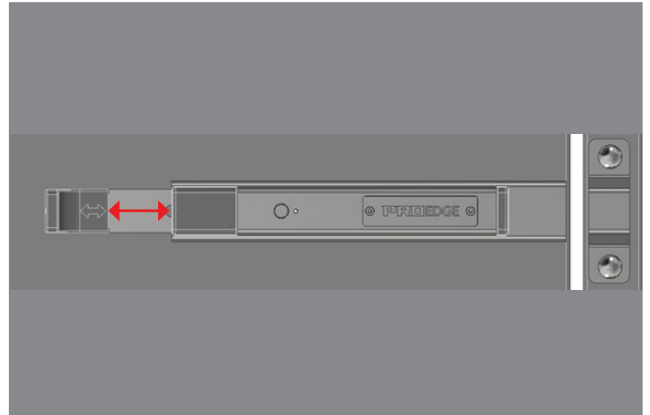


Note: All bolts and nuts must be tightened with a torque between 7Nm and 9Nm

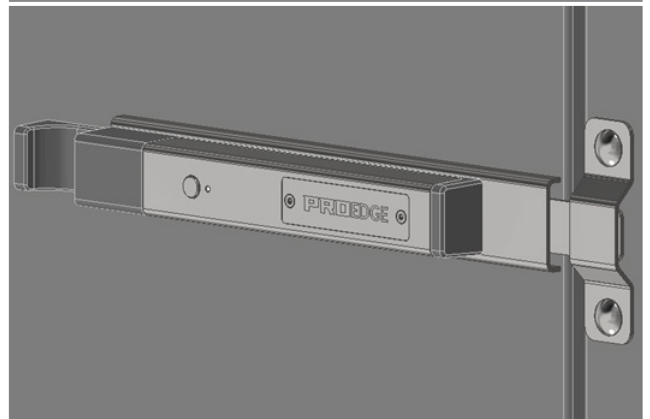
PROEDGE Smart Lock

INSTALLATION MANUAL | FLAT DOORS

Make sure the slider can slide with no collisions



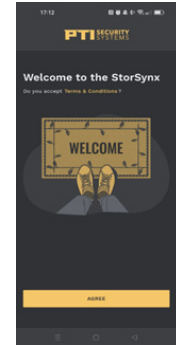
The lock is now ready for commissioning



PROEDGE Smart Lock

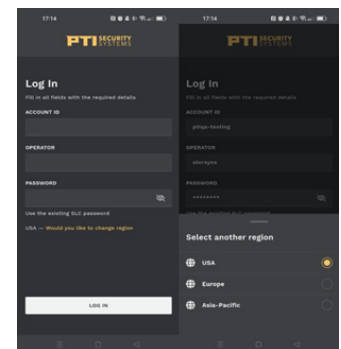
INSTALLATION MANUAL | COMMISSIONING

To start commissioning, open the StorSynx app tailored for this purpose.

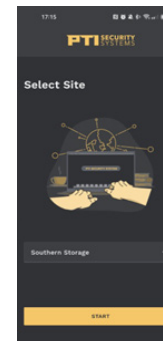


Sign in with your existing SLC user credentials. If you don't have an account yet, create one within the SLC platform.

Enter the Account ID in the designated field, (info about it can be located in the SLC section, under the Company Info subtab, within the Settings subsection.)



Select the desired Site from the dropdown menu, accessible based on your personal access to that site.



Go to the “Units list” page in the app. Begin adding Locks by tapping the “+” button next to your chosen Unit.

Available options for adding Lock devices:

- Using BLE (primary)
- Scanning the QR code (secondary)
- Filling the serial number manually (tertiary)

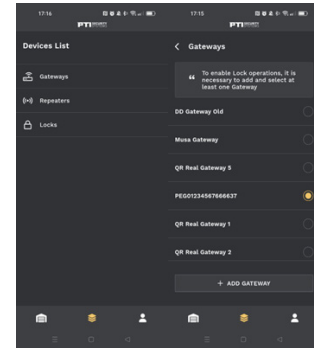
PROEDGE Smart Lock

INSTALLATION MANUAL

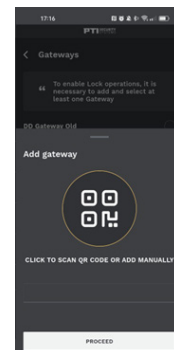
Steps of commissioning:

Ensure at least one Gateway is added; if not, add one.

Select Gateway as default in the list or during Lock addition.



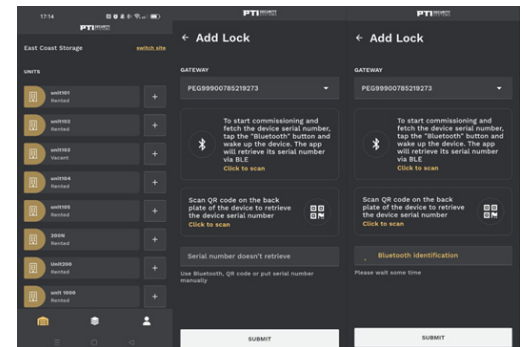
Scan the Device's QR Code or get its serial number via BLE or manually.



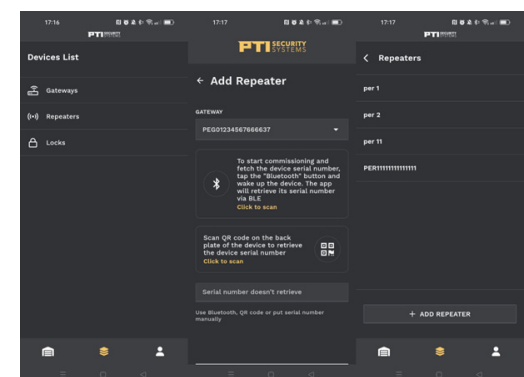
Ensure the Lock is awake; if not, wake it.

Click "Submit" in the app.

- Wait for the pairing to complete.
- Retry if it fails or consult software engineers.
- In exceptional cases, multiple locks may awaken together. For this, we've added a dialogue for Installers to choose specific locks.



The process is similar for a repeater.



Technical validations and limitations:

Gateway limits - According to the Device specifications, it can accept up to 200 Locks;. The installer is restricted from adding more than 200 locks to a Gateway, and once the limit is reached, the application will prompt the installer to either add a new Gateway or select one that has not exceeded the limit yet.

PROEDGE Smart Lock

INSTALLATION MANUAL | CHANGELOG

Changelog

Date	Change
11-27-2023	New document
4-26-2024	Hardware, commissioning, certifications updated

PROEDGE Smart Lock

INSTALLATION MANUAL

WARRANTY & DISCLAIMER

PTI Security Systems warrants its products and equipment to conform to its own specifications and to be free from defects in materials and workmanship, under normal use and service, for a period of one year from the date of shipment. Within the warranty period, PTI Security Systems will repair or replace, at its option, all or any part of the warranted product which fails due to materials and/ or workmanship. PTI Security Systems will not be responsible for the dismantling and/or re-installation charges. To utilize this warranty, the customer must be given a Return Materials Authorization (RMA) number by PTI Security Systems. The customer must pay all shipping costs for returning the product.

This warranty does not apply in cases of improper installation, misuse, failure to follow the installation and operating instructions, alteration, abuse, accident, tampering, natural events (lightning, flooding, storms, etc.), and repair by anyone other than PTI Security Systems.

This warranty is exclusive and in lieu of all other warranties, expressed or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose. PTI Security Systems will not be liable to anyone for any consequential or incidental damages for breach of this warranty or any other warranties.

This warranty will not be modified or varied. PTI Security Systems does not authorize any person to act on its behalf to modify or vary this warranty. This warranty applies to PTI Security Systems products only. All other products, accessories, or attachments used in conjunction with our equipment, including batteries, will be covered solely by their own warranty, if any. PTI Security Systems will not be liable for any direct, incidental, or consequential damage or loss whatsoever, caused by the malfunction of product due to products, accessories, or attachments of other manufacturers, including batteries, used in conjunction with our products. This warranty does not cover the replacement of batteries that are used to power PTI Security Systems products.

The customer recognizes that a properly installed and maintained security system may only reduce the risk of events such as burglary, robbery, personal injury, and fire. It does not ensure or guarantee that there will be no death, personal damage, and/or damage to property as a result. PTI Security Systems does not claim that the Product may not be compromised and/or circumvented, or that the Product will prevent any death, personal and/or bodily injury and/or damage to property resulting from burglary, robbery, fire, or otherwise, or that the Product will in all cases provide adequate warning or protection. PTI Security Systems products should only be installed by qualified installers. The customer is responsible for verifying the qualifications of the selected installer.

PTI Security Systems shall have no liability for any death, injury, or damage, however incurred, based on a claim that PTI Security Systems Products failed to function. However, if PTI Security Systems is held liable, directly or indirectly, for any loss or damage arising under this limited warranty or otherwise, PTI Security Systems's maximum liability will not in any case exceed the purchase price of the Product, which will be fixed as liquidated damages and not as a penalty, and will be the complete and exclusive remedy against PTI Security Systems.

PROEDGE Smart Lock

INSTALLATION MANUAL



Warning: The User should follow all installation, operation, and maintenance instructions. The User is strongly advised to conduct Product and systems test at least once each week. Changes in environmental conditions, electric or electronic disruptions, and tampering may cause the Product to not perform as expected.



Warning: PTI Security Systems warrants its Product to the User. The User is responsible for exercising all due prudence and taking necessary precautions for the safety and protection of lives and property wherever PTI Security Systems Products are installed. PTI Security Systems does not authorize the use of its Products in applications affecting life safety.



Notice. Some PTI Security Systems products use 900Mhz wireless technology. Other devices at the site such as cordless telephones or alarm components may cause interference that will disrupt the operation of the system or may be interfered with by the system. PTI Security Systems assumes no liability for any problems caused by interference. It is the sole responsibility of the user to identify and correct such problems.

For technical support, please call our live support team at +1.866.240.7602 Monday-Friday; 10:00am-7:00pm EST.



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SHAPING THE INDUSTRY
SINCE 1979

With PTI Security Systems, operators can easily customize all of their facility's access areas, review site activity, and monitor zones and alarms from one cloud-based account. Create a world-class operation with the most advanced enterprise access control solution from the trusted industry leader with over 40 years of experience.

Since 1979, PTI Security Systems™ has provided the self-storage industry with proven security and access control systems. Known for our complete and innovative solutions that deliver advanced and cost-effective security systems, self-storage owners and operators can efficiently manage their facility from anywhere, lower operating costs, and enhance the tenant experience.

For more information about PTI Security Systems, please contact a PTI representative or visit our website.

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 ptisecurity.com

 sales@ptisecurity.com

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