

# PROEDGE

## REPEATER & GATEWAY

### MANUAL

**PTI** SECURITY  
SYSTEMS

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**ASSA ABLOY**

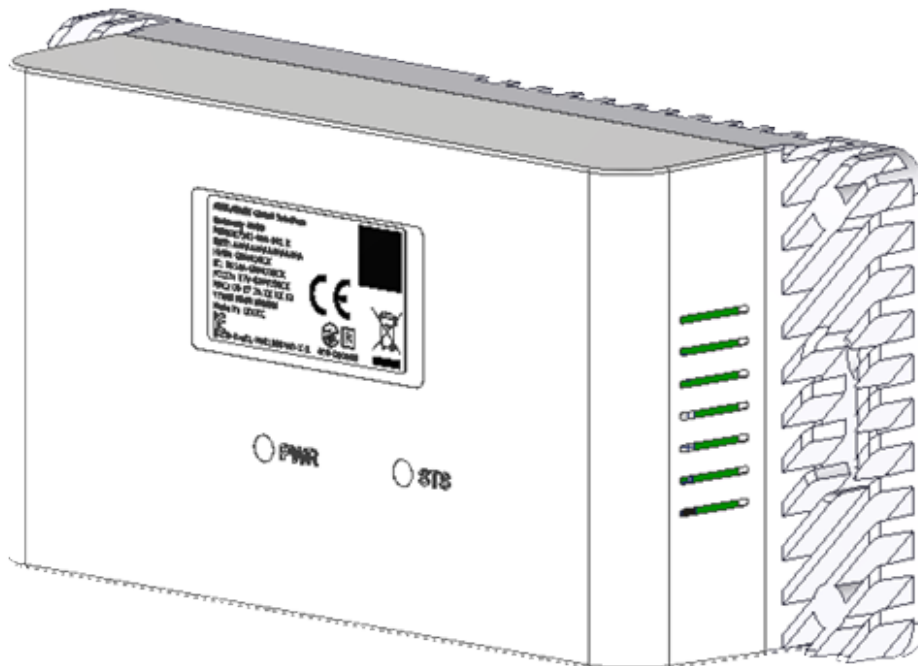
2024

# PROEDGE

## Installation Manual For ProEdge Repeaters and Gateways

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# PROEDGE REPEATERS & GATEWAYS

## INSTALLATION MANUAL

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### REPEATER AND GATEWAY INSTALLATION MANUAL

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Rev E - May 2024

#### INTRODUCTION

This document describes the installation process of the ProEdge repeater(s) and gateway(s).



**Note:** This document is for physical installation and commissioning of the ProEdge repeater and gateway.



**Note:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 2 of the FCC rules and regulations. 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.

This product has been tested and passed the following regulations:

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

# PROEDGE REPEATERS & GATEWAYS

## INSTALLATION MANUAL

### TOOLS REQUIRED FOR THE INSTALLATION

Torx key set		Drill bits for concrete/bricks	
Electrical drill			

Technical Specifications	For Repeater	For Gateway
Power source	Battery	AC powered
Rated voltage	NA	12V
Rated current	NA	300mA
Battery type	LM26500	NA
Battery voltage	3V	NA
Battery capacity	7.4AH	NA
Battery lifetime	3 years	NA

General Specifications	For Repeater	For Gateway
Operating temperature	-35°C to +66°C (-31°F to 151°F)	-35°C to +66°C (-31°F to 151°F)
Storage temperature	10°C to 30°C (50°F to 86°F)	10°C to 30°C (50°F to 86°F)
Operating humidity	10%-90% RH (Non-condensing)	10%-90% RH (Non-condensing)
Storage humidity	10%-80% RH (Non-condensing)	10%-80% RH (Non-condensing)
Ingress protection level	65	10

Approvals	For Repeater	For Gateway
Certifications	FCC, IC, CE	FCC, IC, CE

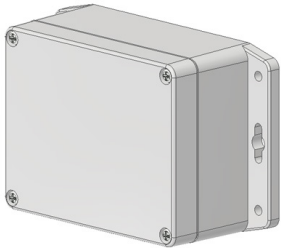




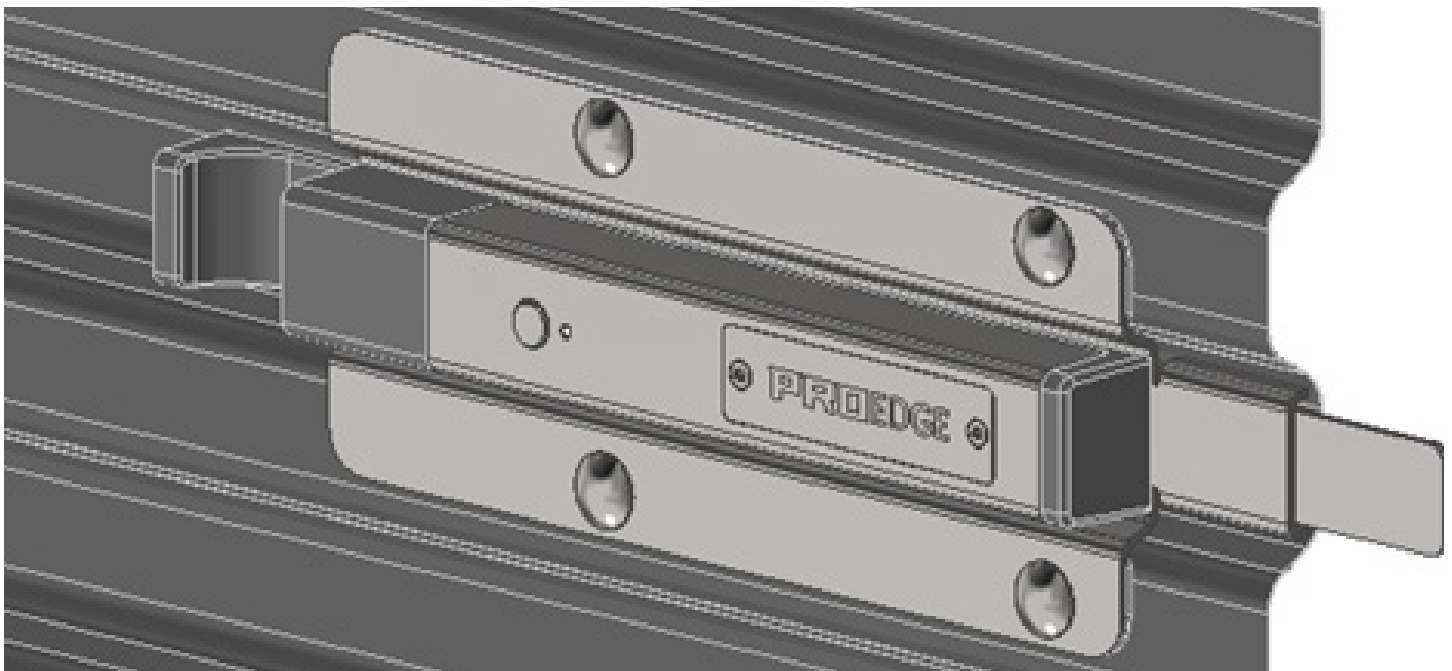
# PROEDGE REPEATERS & GATEWAYS

## INSTALLATION MANUAL | REPEATER INSTALLATION

This section will give the reader an introduction to installing a ProEdge repeater. The package for this ProEdge repeater contains:

### THE PACKAGE FOR THIS PROEDGE REPEATER CONTAINS:

One (1) ProEdge repeater assembly		Four (4) raw plugs	
Four (4) Torx screws			



# PROEDGE REPEATERS & GATEWAYS

## INSTALLATION MANUAL | REPEATER INSTALLATION

### NEW INSTALLATION OF REPEATER



Note: Placement of the repeater must be performed by authorized personnel to ensure the best antenna conditions

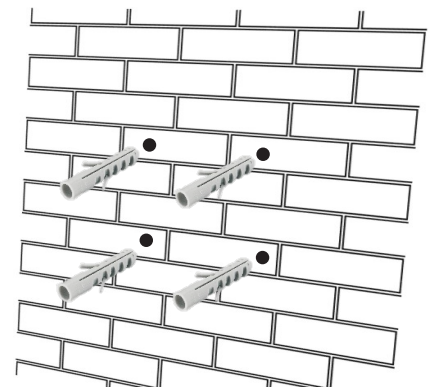
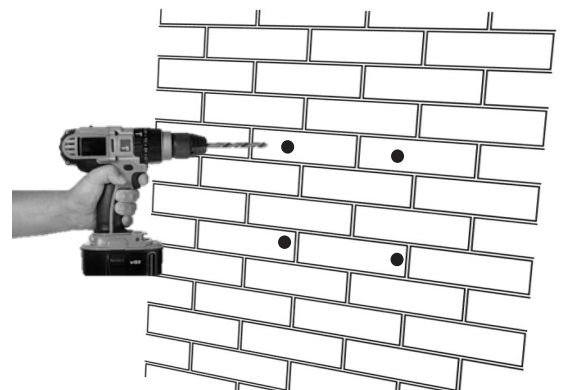
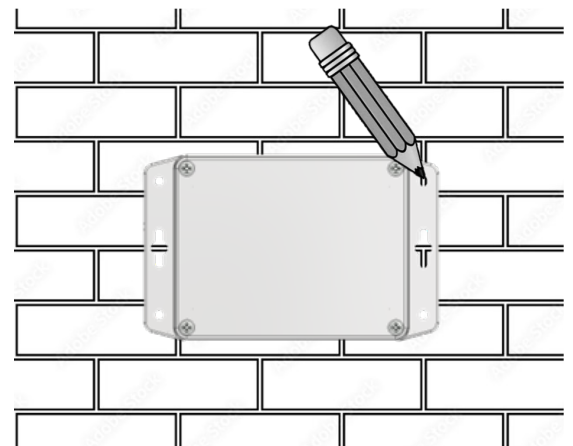
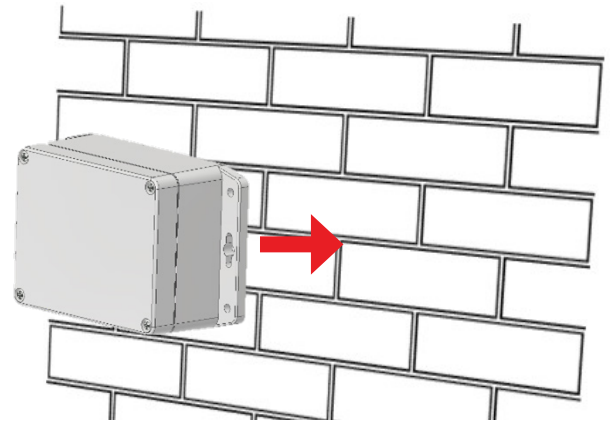


Note: Placement of the repeater must be below 2 meters (6.5 Feet).

Place the repeater on the wall – and mark the 4 holes

Drill the marked holes with a drill bit

Push in the 4 raw plugs



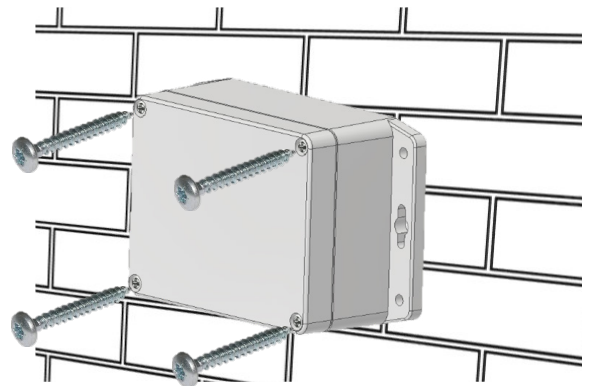
# PROEDGE REPEATERS & GATEWAYS

## INSTALLATION MANUAL | REPEATER INSTALLATION

Position the repeater and mount the 4 screws with a torx key.

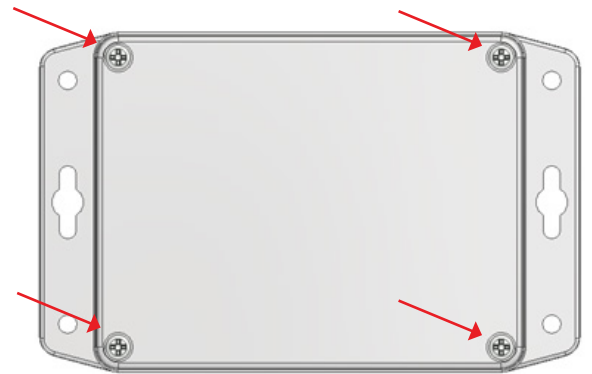
For drywall, use appropriate plugs and follow the manufacturers installation instructions for these.

For wooden walls, the plugs can be discarded and the screws can be mounted directly into the wall.



Note: All bolts and nuts must be tightened with a torque between 3 Nm and 5 Nm

Unscrew the 4 screws and remove the lid

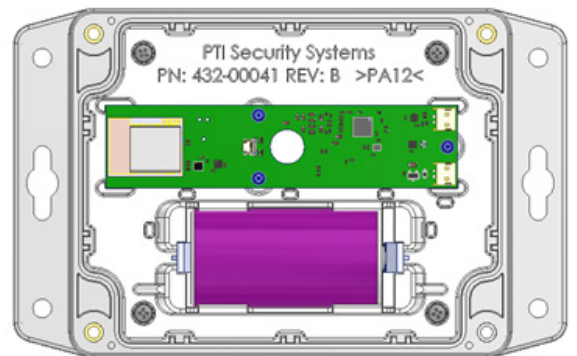


Insert the battery

The repeater is now ready for commissioning.



After replacing batteries, in lock and repeater, please ensure screws are fastened adequately to ensure ingress protection



# PROEDGE REPEATERS & GATEWAYS

## INSTALLATION MANUAL | REPEATER COMMISSIONING

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### COMMISSIONING OF PROEDGE REPEATER

To commence the commissioning process, launch the StorSynx application, designed specifically for commissioning purposes.

- Log in using existing StorLogix Cloud (SLC) user credentials, or if no user has been created yet, proceed to create one (can be done in the SLC platform only).
- Navigate to the “Devices list” page within the mobile application, select the “Repeaters” section, and initiate the addition procedure by clicking the “Add Repeater” button.

Currently, there are three available options for adding Locks and Repeaters devices:

1. Using BLE (primary)
2. Scanning the QR code (secondary)
3. Filling the serial number manually (tertiary)

#### Commissioning Steps:

- Ensure that at least one Gateway is added; if not, it needs to be added.
- Select Gateway as default in Gateway List or during the add Repeater process.
- Scan the Device QR Code or fetch its serial number using BLE or as an alternative fill in its Serial Number manually in the appropriate field.
- Ensure, that the Repeater is awakened, and if not wake it up.
- Click the “Submit” button in the application and wait for the pairing to complete.
- Try again, if the process failed, or try to get the logic of the failed process from software engineers.
- In exceptional situations multiple repeaters may awaken simultaneously. To address this scenario, we have implemented an additional dialogue. In this dialogue, the Installer can selectively choose the specific repeater they intend to commission.

#### Technical validations and limitations:

- Gateway limits - According to the Device specifications, it can accept up to 200 Nodes.
- The installer is restricted from adding more than 200 nodes 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.
- Locks / Repeaters current state the validation that checks the current Lock state if it is “awake” or fallen into “sleep mode” in 60 seconds will be added to the mobile application.



After commissioning, mount the lid and fasten with the 4 screws.






# PROEDGE REPEATERS & GATEWAYS

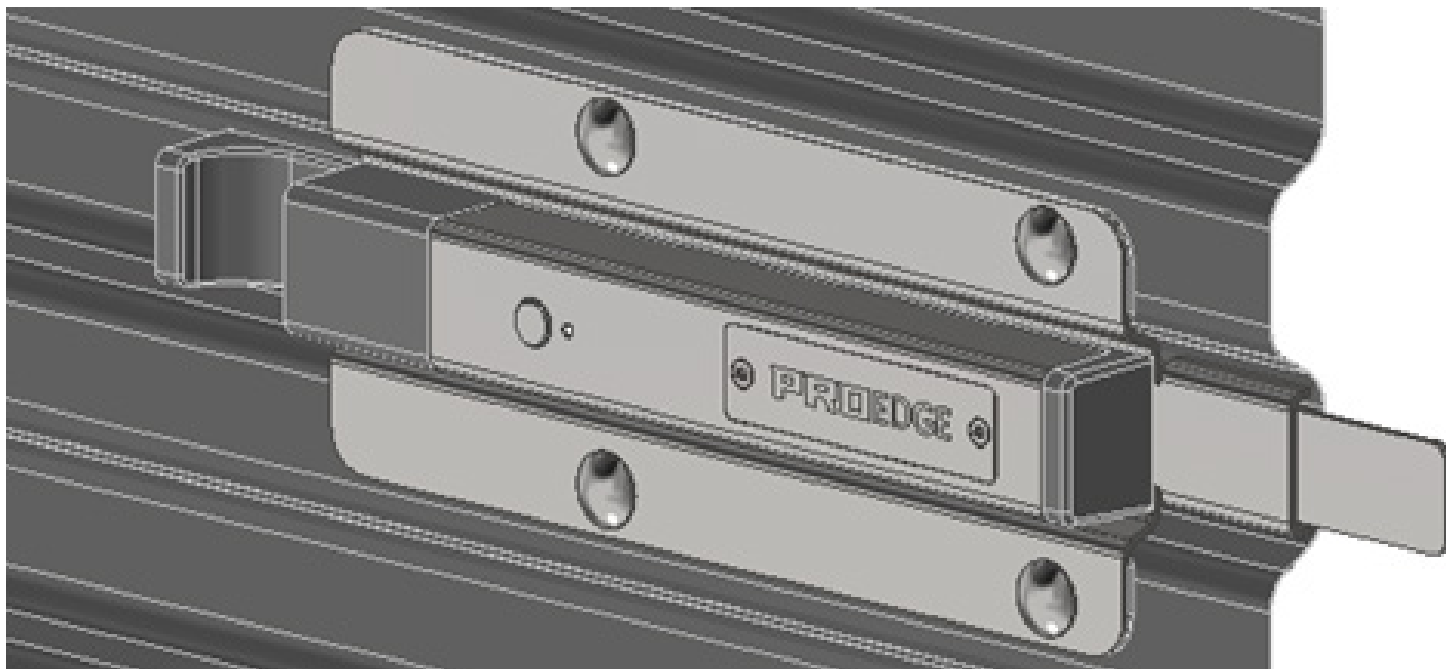
## INSTALLATION MANUAL | GATEWAY INSTALLATION

### NEW INSTALLATION OF GATEWAY

This section will give the reader an introduction to commissioning the ProEdge gateway.

### THE PACKAGE FOR THIS PROEDGE GATEWAY CONTAINS:

One (1) ProEdge gateway		One (1) power supply	
One (1) Ethernet cable			



# PROEDGE REPEATERS & GATEWAYS

## INSTALLATION MANUAL | GATEWAY COMMISSIONING

### COMMISSIONING OF THE PROEDGE GATEWAY

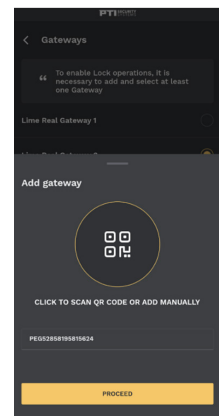
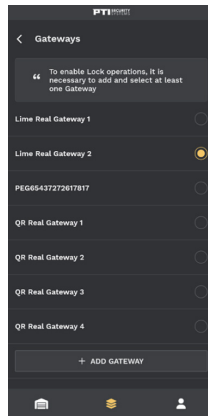
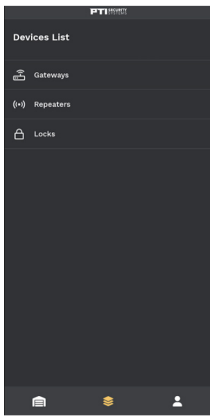
Navigate to the “Devices list” page within the mobile application, select the “Gateways” section, and initiate the addition procedure by clicking the “Add Gateway” button.

Currently, there are two available options for adding Gateway:

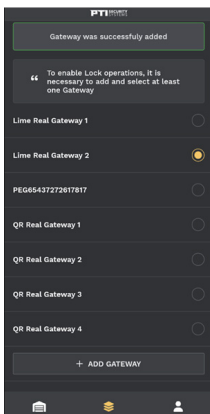
1. Scanning the QR code (primary)
2. Filling in the serial number manually (secondary)

#### Commissioning Steps:

1. Scan the Device QR Code or as an alternative fill in its Serial Number manually in the appropriate field;



2. Wait for the pairing to complete;
  - Try again, if the process failed, or try to get the logic of the failed process from software engineers (after the Logs feature is implemented)



Note: Placement of the gateway must be performed by authorized personnel to ensure the best antenna conditions




# PROEDGE REPEATERS & GATEWAYS

## INSTALLATION MANUAL | TEMPORARY GATEWAY INSTALLATION

### NEW INSTALLATION OF GATEWAY

This section will give the reader an introduction to commissioning the ProEdge gateway.

### THE PACKAGE FOR THIS PROEDGE GATEWAY CONTAINS:

One (1) ProEdge gateway		One (1) power supply	
One (1) Ethernet cable			

### Setting Up The Temporary Gateway

The provided gateway is an interim solution and will be replaced by another gateway. The temporary gateway can be powered via the provided power supply.

The temporary gateway is set up as follows:

- Put the powered ethernet cable through the big hole and connect it to the gateway ethernet connector. The other end should be connected to the internet.
- Power up the gateway with the provided power supply. This cable should be guided through the smaller hole and connected to the micro usb connector on the gateway.
- Make sure to attach the lid and 4x screws into the main housing again.

The physical installation of the temporary gateway is now complete.



# PROEDGE REPEATERS & GATEWAYS

## INSTALLATION MANUAL | TEMPORARY GATEWAY INSTALLATION

### Commissioning The Temporary ProEdge Gateway

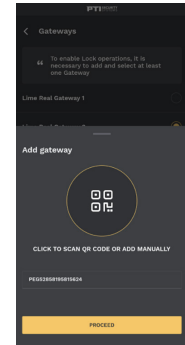
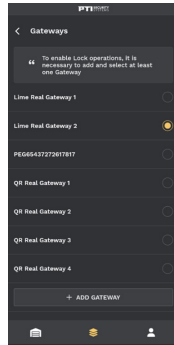
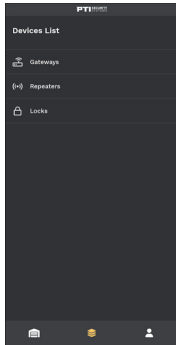
Navigate to the “Devices list” page within the mobile application, select the “Gateways” section, and initiate the additional procedure by clicking the “Add Gateway” button.

Currently, there are two available options for adding Gateway:

1. Scanning the QR code (primary)
2. Filling in the serial number manually (secondary)

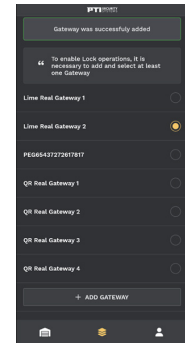
### Commissioning Steps:

1. Fill in the Serial Number in the appropriate field



2. Wait for the pairing to complete;

*Try again, if the process failed, or try to get the logic of the failed process from software engineers (after the Logs feature is implemented)*



Note: The temporary gateway should be placed in a secure place, preferably in a locked IT room.



Note: Placement of the gateway must be performed by authorized personnel to ensure the best antenna conditions



Note: Occasionally, the gateway must be restarted if the network ports do not work or respond.

# PROEDGE REPEATERS & GATEWAYS

## INSTALLATION MANUAL | CHANGELOG

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### Changelog

Date	Change
11-27-2023	New document
04-26-2024	Certifications added
05-30-2024	Temporary gateway commissioning added

# PROEDGE REPEATERS & GATEWAYS

## INSTALLATION MANUAL

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### 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 REPEATERS & GATEWAYS

## INSTALLATION MANUAL

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**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.**

# PTI SECURITY SYSTEMS

# ASSA ABLOY

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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