

GDL7m

Innovative Wireless Mortise Lock



Document Version 1.6

© Copyright 2026 Gantner Electronic GmbH

Operating instructions, manuals and software are protected by copyright. All rights are reserved. Copying, duplication, translation, installation in any electronic medium or machine-readable form in whole or in part is prohibited. The sole exception is represented by creation of a back-up copy of software for own use as a safeguard, so far as this is technically possible and recommended by us. Any infringement will render the party committing such infringement liable to compensation payment.

Liability

Any claims against the manufacturer based on the hardware or software products described in this manual shall depend exclusively on the conditions of the guarantee. Any further-reaching claims are excluded, and in particular the manufacturer accepts no liability for the completeness or accuracy of the contents of this manual. The right is reserved to make alterations, and alterations may be made at any time without prior notice being given.

Trademarks

Attention is drawn at this point to markings and registered trademarks used in this manual. All product and company names, which are mentioned in this manual, are only used for identification and explanation purposes. Some of these names may be trademarks or registered trademarks of the corresponding company.

Contact

If you have any questions regarding this product, please contact your local representative or one of the Gantner Electronic GmbH branches directly. The contact addresses can be found using the following link:

www.gantner.com/en/locations.

Contact address of manufacturer

Gantner Electronic GmbH
Bundesstraße 12
6714 Nüziders, Austria

Important Information

Dear Customer,

Our aim is to ensure that our product operates safely and to your complete satisfaction. To achieve this aim, please take this opportunity to familiarize yourself with the following guidelines.

- > Pay attention to the safety messages in this manual. The messages are indicated by the signal words "DANGER", "WARNING", or "CAUTION", and inform you about hazardous situations and how to avoid them.
- > Pay attention to messages indicated by the "NOTICE" signal word. These messages include important information for avoiding property damage.
- > Pay attention to the symbols and safety messages on the product.
- > Read all instructions in this manual carefully before installing or operating the product.
- > Where not otherwise specifically documented, the appropriate installation, commissioning, operation, and maintenance of the product is the customer's responsibility.
- > Keep this manual in a safe place for quick reference.

Notation of Safety Information and Safety Symbols

This manual includes important safety messages and symbols intended to inform the user about potentially hazardous situations or important information for the safe and proper use of the described product(s). The safety messages also include directives on how to avoid hazardous situations. These safety messages and directives must be read and observed.

The structure of the safety messages and the meaning of the symbols used in this manual are described in this section.

1. Safety Messages for Personal Injury

Personal safety messages contain a signal word, describe the nature of the hazard, and indicate how to avoid the hazard.



The safety alert symbol used without a signal word always precedes important safety information that must be read carefully, and the instructions carefully observed. Not doing so may cause personal injury.

Format of safety messages that apply to an entire section:

These safety messages may be used with or without a symbol.

CAUTION



Electrical shock

- *Touching current-conducting parts may result in injury due to electrical shock.*
- *Do not remove safety protection and covers.*
- *Do not touch the electrical connections while power is being supplied.*

Format of safety messages that are embedded in text and apply to a specific point:



CAUTION! Electrical shock. Never remove safety protection and covers. Do not touch the electrical connections while power is being supplied.

2. Property Damage Messages

Property damage messages are used to describe potentially hazardous situations that may lead to property damage. These messages have the same layout as safety messages but use the signal word "NOTICE" instead of "CAUTION".

Format of property damage messages that apply to an entire section:

NOTICE

Risk of damage to the device and connected devices

Risk of malfunction

- Read the following instructions carefully before installing the device.
- Always adhere to the instructions.

Format of property damage messages that are embedded in text and apply to a specific point:

NOTE! Risk of damage to the device and connected devices. Read the following instructions carefully before installing the device.

3. Definition of the Signal Words

	Indicates a hazardous situation that, if not avoided, may result in minor or moderate injury.
	Indicates information considered important, but not hazard-related (e.g., messages relating to property damage).

4. Definition of the Safety Symbols

	Caution: General Information This symbol indicates general warnings or cautions that are not related to a particular type of hazard.
	Caution: Electrical Shock This symbol indicates warnings related to electrical hazards (danger due to high voltage).
	Prohibited: Do Not Disassemble This symbol indicates warnings about not disassembling certain components or equipment. Disassembling may lead to damage or malfunction of the device.
	Mandatory Action: General Information This symbol indicates general information that must be read and followed before proceeding with the accompanying instructions.
	Mandatory Action: Read Instructions This symbol indicates information referring to an important description in the manual, or other documentation, which must be read and followed.

Important Safety Information



- The installation, commissioning, and servicing of our products must be performed only by suitably trained personnel. In particular, electrical connections must only be made by correspondingly qualified specialists. Always observe the relevant installation regulations in accordance with the National Electrical Engineers Association.

➔ Unqualified personnel may potentially perform actions that result in injury due to electrical shock).



- Where not otherwise stated, installation and maintenance work on our products must be carried out when disconnected from the power supply. This applies in particular to appliances that are normally supplied by low-voltage current.

➔ If the appliance is not disconnected from power, touching terminals or other internal parts of the appliance may lead to injury due to electrical shock).



- It is prohibited to alter the products (devices, cabling, etc.):

➔ Alterations to the products may subsequently result in personal injury, property damage, or damage to the products.

- Do not remove protective shields and covers.

➔ Removing protective shields and covers may result in personal injury or property damage.

- Do not attempt to repair a product after a defect, failure, or damage is detected. In addition, do not put the product back into operation. In such cases, it is essential to contact your Gantner representative or the Gantner support hotline.



- The installation, commissioning, operation, and maintenance of the product must be carried out in accordance with the technical conditions of operation as described in the corresponding documentation. Therefore, it is essential to read the corresponding chapter of this manual and observe the instructions and information therein.

- If there are still some points that are not entirely clear, please do not take a chance. All queries can be clarified by your Gantner representative or by ringing the Gantner support hotline.

- Directly on receipt of the goods, inspect both the packaging and the product itself for any signs of damage. Also check that the delivery is complete and includes all accessories, documentation, auxiliary devices, etc.



- If the packaging or product has been damaged in transport, or should you suspect that it may have a fault, the product must not be put into service. Contact your Gantner representative who will endeavor to resolve the problem as quickly as possible.

- Unless otherwise specified, the customer is responsible for the proper installation, commissioning, operation and maintenance of the product.

- Gantner Electronic GmbH accepts no responsibility for any injuries or damage caused as a result of improper use.

Although great care is taken and we are continuously aiming for improvement, we cannot completely exclude the possibility of errors appearing in our documentation. Gantner Electronic GmbH therefore accepts no responsibility for the completeness or the accuracy of this manual. The right is reserved to make alterations at any time without prior notice.

Should you discover any fault with the product or in its accompanying documentation, or you have any suggestions for improvement, you may confidently inform your Gantner representative or Gantner Electronic GmbH directly.

We especially look forward to hearing from you if you want to let us know that everything is functioning perfectly.

The GDL7m locks have been developed and manufactured under the ISO 9001 quality management standard and Gantner Electronic GmbH is also certified according to standard ISO 14001.



This product is in conformity with the following EC directives, including all applicable amendments:
- 2014/53/EU (Radio Equipment Directive)



Gantner is committed to meeting or exceeding the requirements of the RoHS directive (2011/65/EU). The RoHS directive requires that manufacturers eliminate or minimize the use of lead, mercury, hexavalent chromium, cadmium, polybrominated biphenyls and polybrominated diphenyl ethers in electrical and electronic equipment sold in the EU after July 1, 2006.



The WEEE symbol on Gantner products and their packaging indicates that the corresponding material must not be disposed of with normal household waste. Instead such marked waste equipment must be disposed of by handing it over to a designated electronic waste recycling facility. Separating and recycling this waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. Please contact your local authority for further details of your nearest electronic waste recycling facility.

CONTENTS

1	INTRODUCTION	9
1.1	About this manual	9
1.2	Chapter overview	9
1.3	Contact & inquiries	9
1.4	Target group	10
1.5	Formatting	10
1.5.1	Safety-critical information	10
1.5.2	Non safety-critical information	10
1.5.3	Instructions and results	10
1.6	Terminology	11
2	GENERAL INFORMATION	13
2.1	Intended use	13
2.2	Unintended use	13
2.3	Product description	13
2.3.1	Highlights	13
2.3.2	GDL7m main features	14
2.4	Functional description	15
2.5	GDL7m system components	16
2.5.1	Gantner reader	16
2.5.2	Gantner door controller	16
2.5.3	Gantner access control software	16
2.5.4	Master Key Set	16
2.6	Battery management	17
2.7	Variants	18
2.7.1	Full Leaf	19
2.7.2	Tubular Frame	20
2.7.3	Glass Door	21
2.8	Definition of the door opening directions	22
2.9	Scope of supply	23
2.9.1	GDL7m Full Leaf Battery	23
2.9.2	GDL7m Full Leaf Inductive	23
2.9.3	GDL7m Tubular Frame Battery	24
2.9.4	GDL7m Tubular Frame Inductive	24
3	INSTALLATION	25
3.1	Target group	25
3.2	General installation instructions	25
3.3	Note on installation in difficult conditions	26
3.4	Installation measurements – Full Leaf	27
3.4.1	Profile Cylinder 72 / Round Cylinder 74	27
3.4.2	Profile Cylinder 88	28
3.4.3	Profile Cylinder 92	29
3.4.4	Round Cylinder 78	30
3.5	Installation measurements – Tubular Frame	31
3.5.1	Profile Cylinder 92	31
3.5.2	Round Cylinder 94	32
3.6	Installation measurements – Strike plate	33
3.7	Installation instructions	34
3.8	Installing the transmitter unit	35

4	COMMISSIONING & CONFIGURATION	39
4.1	Target group	39
4.2	GDL7m Full Leaf	39
4.2.1	Battery information	39
4.2.2	Inserting the battery	39
4.2.3	Attaching the battery compartment cover	40
4.3	GDL7m Tubular Frame	41
4.3.1	Battery Information	41
4.3.2	Inserting the battery	41
4.3.3	Attaching the battery compartment cover	42
4.4	Pairing the GDL7m with the Gantner reader	43
4.5	Resetting the GDL7m to the default settings	45
4.6	Configuration	45
4.7	Configuration via the GAT DC 7200 web interface	46
4.7.1	Reader configuration	47
4.7.2	Door configuration	49
5	OPERATION	51
5.1	General	51
5.2	Closing the door	51
5.3	Opening the door	51
5.4	Mechanical emergency opening	51
5.5	Troubleshooting	52
5.5.1	Communication is interrupted	52
5.5.2	Door does not open	52
5.5.3	No operation after battery change	52
6	MAINTENANCE	53
6.1	Target group	53
6.2	Cleaning	53
6.3	Maintenance	53
6.4	Changing the batteries	54
6.4.1	GDL7m Full Leaf	54
6.4.2	GDL7m Tubular Frame	56
6.5	Disposal	57
6.6	Notes on the use of locks and fittings	57
7	TECHNICAL DATA	59
7.1	GDL7m Battery	59
7.2	GDL7m Inductive	60
7.3	Transmitter Unit (only with GDL7m Inductive)	60
8	APPENDICES	61
8.1	European standard instructions for emergency exit doors (EN 179:2008-04)	61
8.1.1	Installation and mounting instructions	61
8.1.2	Maintenance instructions	63
8.2	European standard instructions for panic doors (EN 1125:2008-04)	64
8.2.1	Installation and mounting instructions	64
8.2.2	Maintenance instructions	66
8.3	European standard instructions for electromechanical locks (EN 14846:2008-11)	67
8.3.1	Installation and mounting instructions	67
8.4	CE Declaration of Conformity	68
8.5	Manufacturer's Declaration	70

1 INTRODUCTION

1.1 About this manual

This operating and installation manual describes the GDL7m electronic mortise lock. The manual is a component of the product and contains important information necessary for correct operation and maintenance.

These operating and installation instructions are valid for all variants of the GDL7m and are intended for professional personnel who are responsible for installation and commissioning as well as for end users.

- For trouble-free and safe operation, carefully read these operating and installation instructions and observe the information contained herein before the GDL7m is put into operation.
- Keep a copy of the operating and installation instructions for future reference.
- After installation, give the instructions to the end user and familiarize them with the operation.

Gantner Electronic GmbH assumes no liability for faults, such as inability to access injured persons, operational faults, material damage, or other damage resulting from the non-observance of these operating and installation instructions, or from incorrectly installed or configured door locks.

1.2 Chapter overview

In chapter "2 GENERAL INFORMATION", you will find the functional description and overview of the GDL7m. The main components required to build a GDL7m system and an overview of the different variants as well as the scope of supply are also provided in this chapter.

Chapter "3 INSTALLATION" contains the installation instructions and measurement diagrams that are required to install the mortise lock, strike plate, and transmitter unit.

In Chapter "4 COMMISSIONING & CONFIGURATION", information on the power supply is provided as well as how to pair the GDL7m with the Gantner reader and complete the first configuration steps.

Available in chapter "5 OPERATION" are the basic operating instructions for users of the GDL7m. This includes the activation of the reader as well as locking and unlocking the door. You will also find an overview for troubleshooting with possible solutions.

Available in chapter "6 MAINTENANCE" is all the information required to complete a battery change, how to clean and maintain the GDL7m, and how to dispose of the lock at the end of its service life.

Chapter "7 TECHNICAL DATA" contains the technical information of the GDL7m.

1.3 Contact & inquiries

For all inquiries concerning the GDL7m, please contact your local sales partner or one of the Gantner branch offices directly. The contact details are available via the following link: www.gantner.com/de/locations.

1.4 Target group

This manual contains information relevant to the different stages in the operating life of the GDL7m. Information regarding the installation, commissioning, and service/maintenance is separated into corresponding chapters. When a chapter is intended for a specific audience, this is clarified at the beginning of the chapter.

Information for the following target groups is available in this manual:

- > Installation technicians (installation, commissioning, configuration).
- > Service technicians of the access control system (service).
- > End users of the GDL7m (operation).

Where not explicitly stated, the information in this manual is intended for all target groups in general.

 **CAUTION! Injury and property/equipment damage.** The tasks described in each chapter must only be performed by the specified target group. Unqualified personnel who perform the described tasks risk personal injury or damaging property/equipment.

1.5 Formatting

1.5.1 Safety-critical information

The following formatting (with example text) is used in this manual to display important, safety-critical information that must be read and followed):

NOTE! Following on from this signal word in the manual is a reference text that must be read and followed. The reference text contains important information. Non-observance can lead to damage of the device or associated equipment.

1.5.2 Non safety-critical information

The following formatting (with example text) is used in this manual to display important, but not safety-critical information:



The text accompanying this symbol contains interesting information relevant to the current chapter. You do not necessarily need to read this text; however, it will help you better understand the information in this section or provide interesting tips for the described device or the operation of the software.

1.5.3 Instructions and results

Instructions, which must be completed by the reader, and the results of these instructions are formatted as follows.

- This symbol represents an action or instruction that must be followed.
 - This symbol represents the result after completing the previous instruction.

1.6 Terminology

Several key terms that are used often in this manual are defined below.

GDL7m / mortise lock / door lock

These terms refer to all variants of the GDL7m electronic mortise lock in general.

Gantner reader

This term refers to a GAT SR 73xx reader unit from Gantner. This reader is typically mounted near the GDL7m or the door and reads users' access cards. After the connected door controller has verified access permissions, the GDL7m is controlled by the Gantner reader (to lock or unlock the door).

Door controller / controller

These terms refer to the GAT DC 7200 door controller.

Door

This term is used in this manual to refer to the door controlled by the GDL7m.

User / Guest / Visitor

These terms refer to the people in a facility who wish to gain access to a GDL7m controlled door.

Facility

Refers to the building where access to certain areas is controlled by the GDL7m.

Computer / PC

These terms refer to a desktop or laptop computer, running a Microsoft® Windows® operating system, which is used to configure the GDL7m system.

Matrix

Software used for authorization management in a Gantner access control system.

GAT ACE 7000

Middleware used to configure the controllers and readers of the access system. GAT ACE 7000 is also responsible for communication between Matrix and the devices.

RFID (Radio-Frequency Identification)

Identification over a short distance using radio frequency. An RFID data carrier is used to identify individual users in Gantner systems.

Data carrier

A type of portable identification media (e.g., chip card or key tag) with electronic memory and an ID number that is used to identify users. Data carriers are available for different identification technologies, e.g., LEGIC, MIFARE, ISO 15693, HID-iClass.

Master Key Set

Special system data carriers for the administrator of the Gantner access system.

FID (Company ID) and Site Key

The FID and Site Key are unique numbers assigned to every facility installation. LEGIC systems use the FID number and MIFARE® systems use the Site Key, which is a combination of the FID and the read and write keys. The FID / Site Key is encoded in every data carrier and device in the facility to ensure that data carriers from one installation are not used in other installations.

2 GENERAL INFORMATION

2.1 Intended use

The GDL7m mortise lock is a product in the Gantner access control range. The communication electronics as well as the locking mechanics and power supply are located inside the housing. The GDL7m is intended to control door operation/access in the interior areas of buildings and is compatible with all applicable European lock standards.

2.2 Unintended use

The GDL7m must not be used for locking enclosures and areas that contain emergency medical equipment, e.g., defibrillators, emergency medicine, fire extinguishers, etc.

2.3 Product description

The GDL7m is the first mortise lock that integrates seamlessly into a Gantner online access control system without any cabling and thus requiring no conversion work. In addition, the high-tech lock offers similar functionality to a wired push-handle lock, such as the possibility of remote opening or independent locking when closing the door. The inductive variant uses inductive energy transfer, thereby eliminating the need for batteries, which is environmentally friendly and cost-efficient since no maintenance is required.

The GDL7m is controlled via the Gantner reader, which reads the existing employee and visitor ID cards. Security can be enhanced at the reader with a PIN-code keypad or a fingerprint reader. The signal transmission to the GDL7m takes place via radio frequency. The pairing between reader and GDL7m is simple and secure. An installation-specific ID card and a mechanical key are required for the establishment of the AES-encrypted communication; thereafter, the communication between reader and lock is secure and reliable.

2.3.1 Highlights

The GDL7m features the following characteristics:

- > Full design freedom in the choice of handles and fittings.
- > No wiring of the door required.
- > Maintenance-free, battery-free operation possible through inductive energy transfer.
- > Combination with a variety of RFID readers possible.
- > All common dimensions for easy retrofitting.
- > Full-leaf, tubular-frame, and glass door variants available.
- > 20 mm whisper-quiet latch bolt with automatic self-locking and tamper-proof actuation
- > Mechanical emergency opening via cylinder possible at any time
- > EN 1634, EN 179, EN 1125, EN 14846 Certification.

2.3.2 GDL7m main features

Latchbolt

- Whisper-quiet closing
- Wear-resistant
- Extra security due to 20 mm exclusion
- Automatic self-locking

Control latch

- Tamper-proof actuation of the latchbolt

Battery compartment

- Secured against unauthorised opening
- Programming button for control system

Face plate

- All common dimensions available

Transmitter/receiver unit

- Integrated in the lock housing
- No cabling necessary

Follower

- Panic function
- External handle electrically engageable
- 9 mm square spindle

Distance

Cylinder

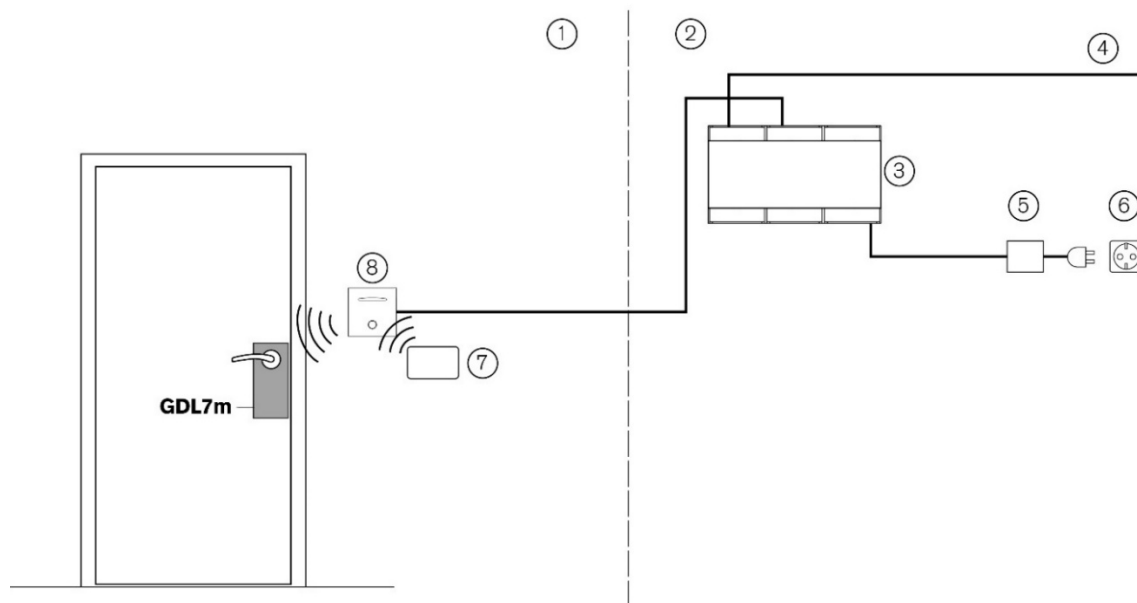
- Additional conventional key function for emergency opening
- Commercially available cylinder can be used

Backset



Fig. 2.1 – Main features of the GDL7m mortise lock

2.4 Functional description



- 1 Unsecured area
- 2 Secured area
- 3 Door controller (GAT DC 7200)
- 4 Network
- 5 Power supply
- 6 Mains power supply
- 7 RFID data carrier
- 8 Gantner reader (GAT SR 73xx)

Fig. 2.2 – Typical application

To gain access to a secure area of a building, the user identifies themselves at the Gantner reader using their personal RFID data carrier. The door controller checks the identification data with the authorization data and timetables stored in the door controller. If access is permitted, the reader sends a command to the GDL7m via wireless communication to unlock the door for a defined period.

For the configuration and management of the GDL7m system, Gantner offers GAT ACE 7000 software for communication and configuration, and Matrix software for the configuration of access authorizations. GAT ACE 7000 is the interface between Matrix and the hardware and is used to configure all door controllers (online and offline) and readers of a system. In Matrix, the schedules, access authorizations of the persons, data carriers, etc., are defined and transferred to the door controllers. All permitted entries and entry attempts are recorded by Matrix.

2.5 GDL7m system components

2.5.1 Gantner reader

A GAT SR 73xx (firmware min. v2.0) series reader is required to read the data carriers of users and send this information on to the GAT DC 7200 door controller or software for evaluation. The reader communicates wirelessly with the GDL7m sending commands to lock or unlock the GDL7m as required. The following hardware requirements apply for the GAT SR 73xx readers:

- > GAT SR 7380: hardware min. v12.00.
- > All other GAT SR 73xx readers: hardware min. v13.00.

2.5.2 Gantner door controller

A GAT DC 7200 (firmware min. V2.0) is installed in a secure area with communication between the door controller and the reader encrypted to prevent manipulation. Several doors can be controlled by a GAT DC 7200, and up to 4 readers (or 16 with expansion license) can also be connected. All permitted entries and access attempts are recorded by the GAT DC 7200 and can be evaluated via the network.

The GAT DC 7200 operates autonomously and connects to Gantner access control software via its Ethernet interface. It is also possible to operate the GAT DC 7200 in standalone mode with a standalone license (Part No. 794230) for which no additional access control software is required.

2.5.3 Gantner access control software

Gantner provides GAT ACE 7000 software for hardware communication and configuration and Matrix software for access authorization. GAT ACE 7000 provides the interface between Matrix and the door controller and is used to configure the door controllers and readers. In Matrix, the timetables and access authorizations for persons, data carriers, etc., are defined before being uploaded to the door controller.

2.5.4 Master Key Set

At least one GAT DL 200 (Part No. 282728) or GAT DL 300 (Part No. 253022) Master Key Set per system is required for commissioning the GDL7m system. The FID must be supplied when ordering the Master Key Set to ensure operability with the GAT DC 7200. For existing systems with a GAT DC 7200, the FID is displayed in the GAT DC 7200 web interface under Configuration > Readers > General > Default company ID.

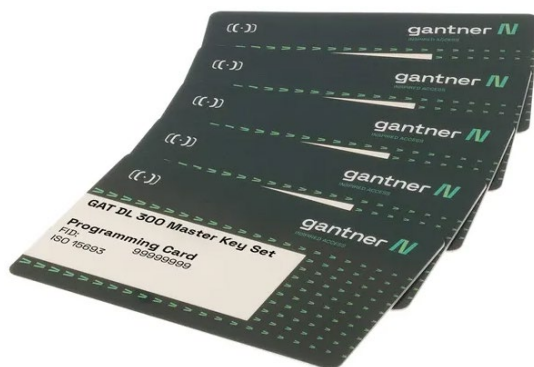


Fig. 2.3 – System data carriers included in the Master Key Set

2.6 Battery management

The GDL7m mortise lock is equipped with a battery management system that transmits the battery condition for display in Gantner software, i.e., GAT DC 7200 web interface and GAT ACE 7000. Three different battery conditions are possible for display in the software.

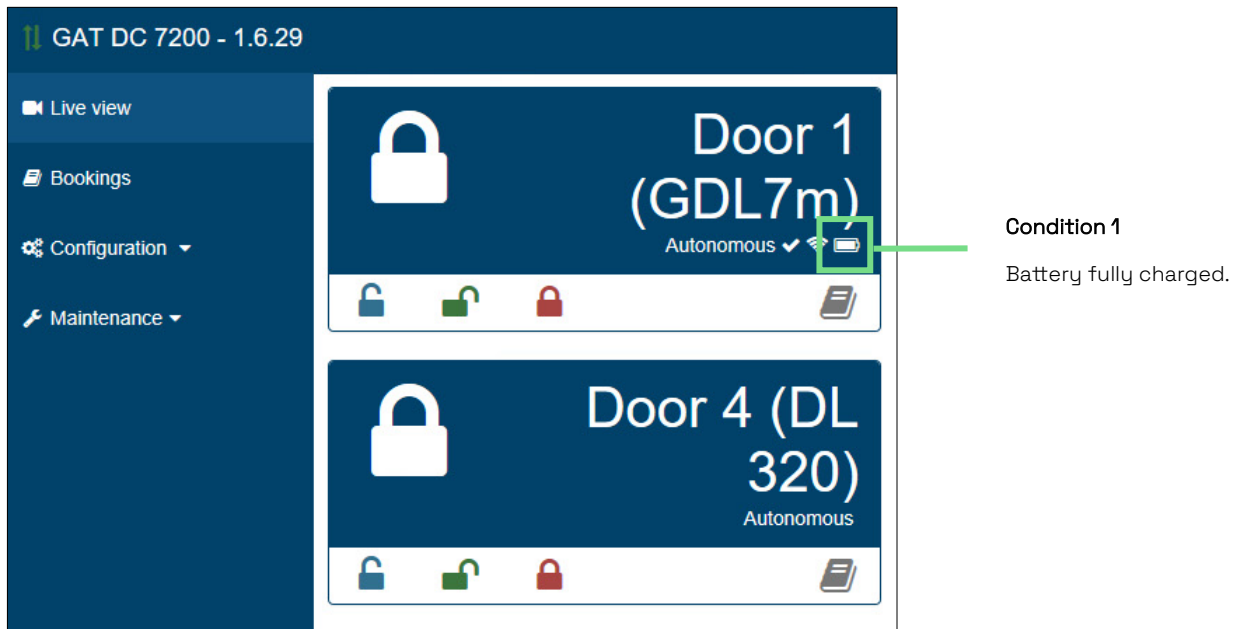


Fig. 2.4 – Battery condition display in the GAT DC 7200 web interface

Condition 2

Half full. A battery change is required soon.

Condition 3

Empty. A battery change is required immediately (red status in the software).



To change the battery/batteries of the GDL7m, follow the instructions in chapter “6.4 Changing the batteries”.

2.7 Variants

There are several variants in the GDL7m product range. The different variants within the range can be identified by their Gantner product name, which is defined for the GDL7m as follows.

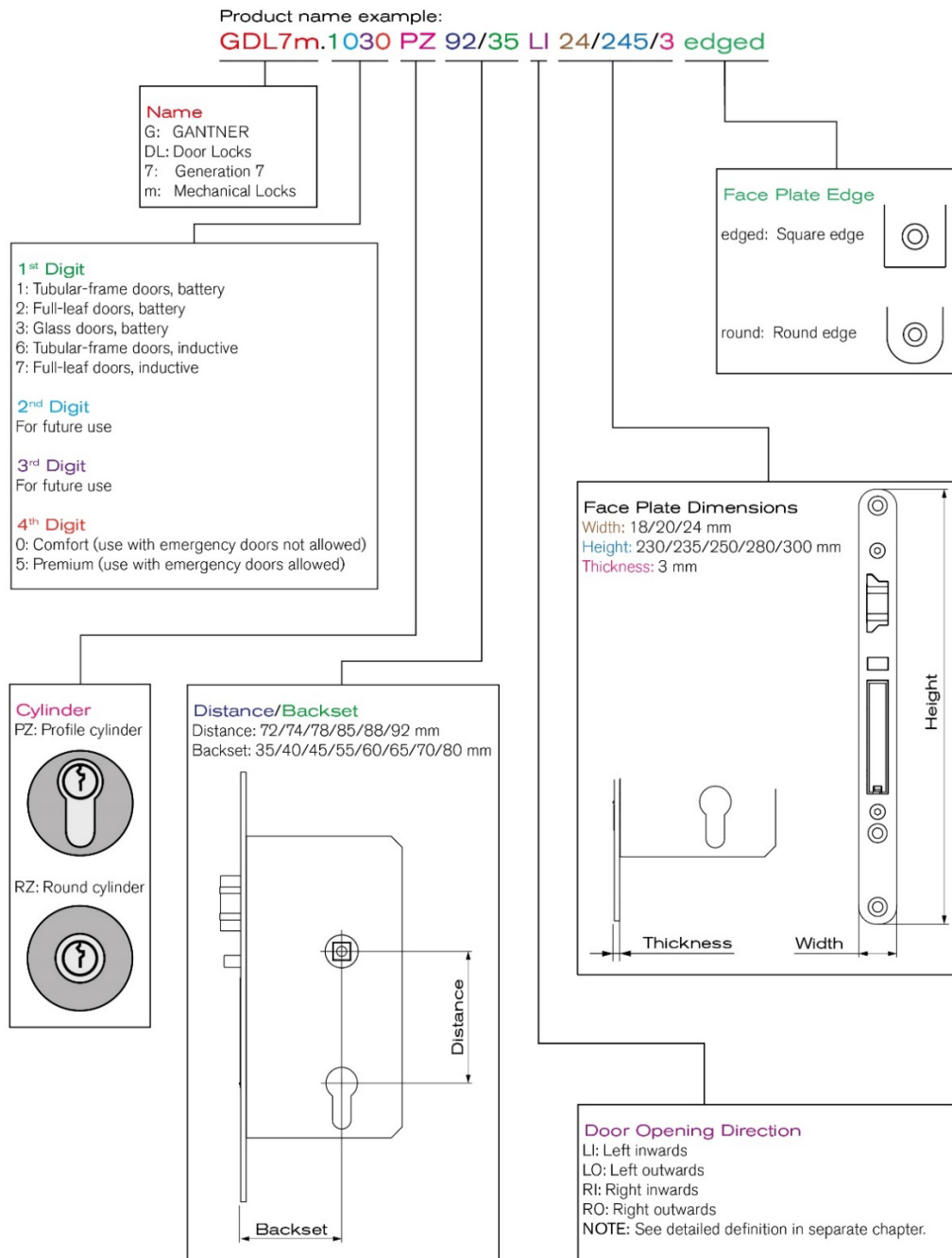


Fig. 2.5 – Overview of GDL7m product naming

NOTE! Not all measurements of the GDL7m lock (distance, backset, width, height, thickness) are available to order in combination with all other measurements. Only certain combinations are available to suit different standards as shown in the following chapters.

2.7.1 Full Leaf



Fig. 2.6 – GDL7m Full Leaf Battery Lock



Fig. 2.7 – GDL7m Full Leaf Inductive Lock

- > Comfort or Premium variants.
- > Premium version incl. certificates: EN 179 / EN 1125.
- > All variants to suit the four door opening direction types (see “2.8 Definition of the door opening directions” for a description of each type).

FULL LEAF - Ö-NORM Profile Cylinder

Distance	Backset	Face plate (polished stainless steel) ²		
		18x250x3	20x250x3	20x300x3
88	55	✓	✓	✓
88	60	✓	✓	✓
88	65	✓	✓	✓
88	70	✓	✓	✓



Ö-NORM = Austrian Standard

FULL LEAF - Round Cylinder

Distance	Backset	Face plate (polished stainless steel) ³			
		20x235x3	24x235x3	18x230x3	20x230x3
74	65	✓	✓		
78	60			✓	✓
78	70			✓	✓
78	80			✓	✓

FULL LEAF - DIN Profile Cylinder

Distance	Backset	Face plate (polished stainless steel) ²			
		20x235x3	24x235x3	20x280x3	24x280x3
72	55	✓	✓		
72	60	✓	✓		
72	65	✓	✓		
72	80	✓	✓		
85	60		✓		
92	65			✓	✓
92	80			✓	✓

2) Standard = face plate with round edges

3) Standard = face plate with round edges; square edges available on request

2.7.2 Tubular Frame



Fig. 2.8 – GDL7m Tubular Frame Battery Lock



Fig. 2.9 – GDL7m Tubular Frame Inductive Lock

- > Comfort or Premium variants.
- > Premium version incl. certificates: EN 179 / EN 1125 (in preparation).
- > All variants to suit the four door opening direction types (see “2.8 Definition of the door opening directions” for a description of each type).

TUBULAR FRAME - Round Cylinder

Distance	Backset	Face plate (polished stainless steel) ¹⁾	
		24x245x3	24x270x3
94	35	✓	✓
94	40	✓	✓
94	45	✓	✓

TUBULAR FRAME - DIN Profile Cylinder

Distance	Backset	Face plate (polished stainless steel) ¹⁾	
		24x245x3	24x270x3
92	35	✓	✓
92	40	✓	✓
92	45	✓	✓

¹⁾ Standard = face plate with square edges

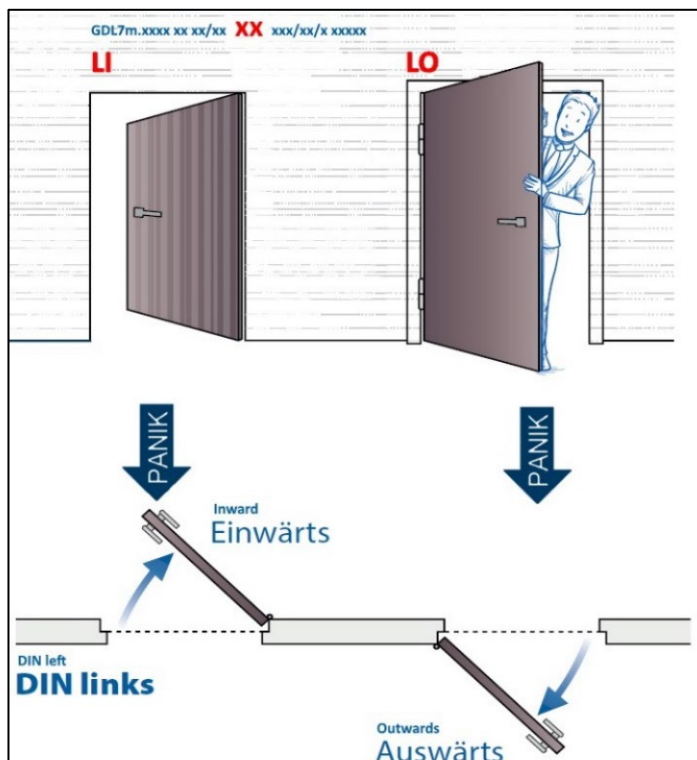
2.7.3 Glass Door



Fig. 2.10 – GDL7m for glass doors

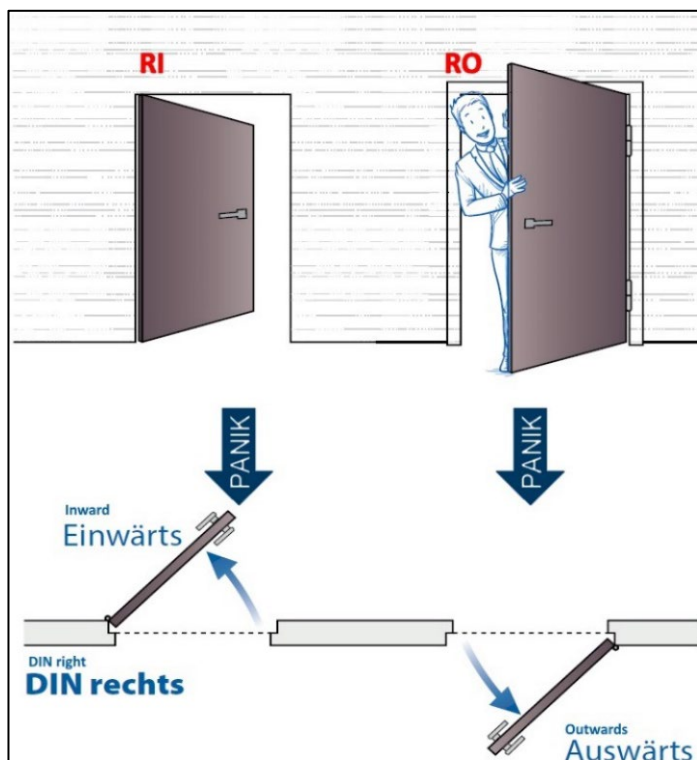
- > Comfort variant only.
- > Battery-powered variant only.
- > Distance: 72 mm. Backset: 55 mm.
- > All variants to suit the four door opening direction types (see “2.8 Definition of the door opening directions” for a description of each type).

2.8 Definition of the door opening directions



- LI = DIN left inwards
- LO = DIN left outwards

Fig. 2.11 – Definition of the door opening direction for left doors



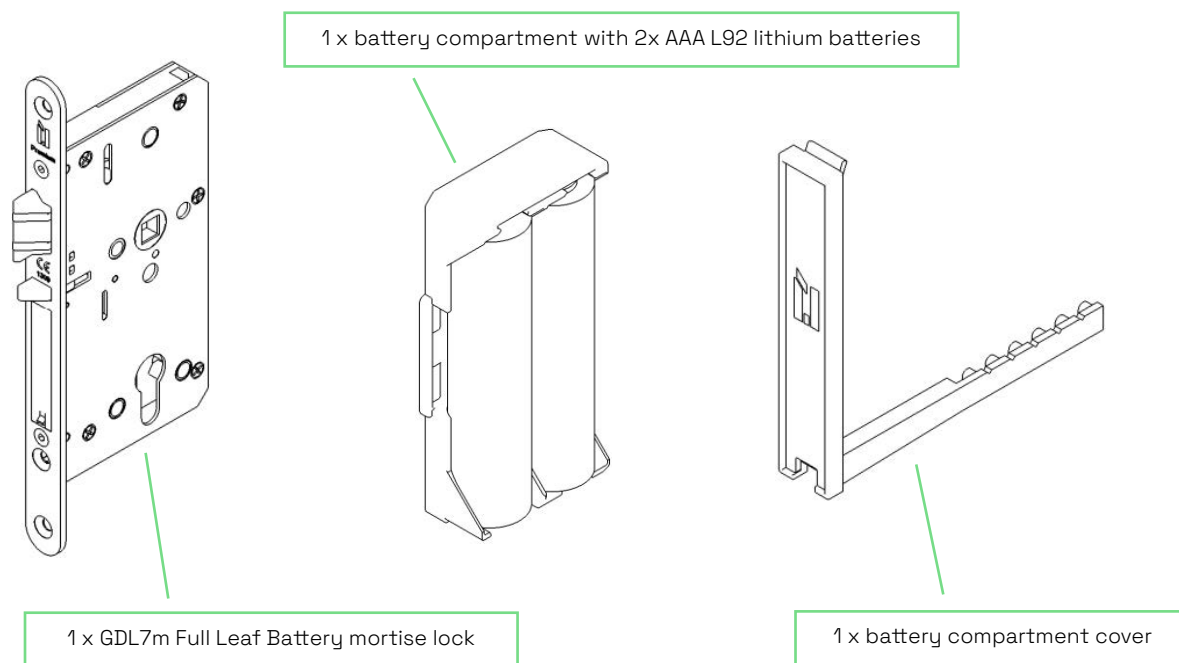
- RI = DIN right inwards
- RO = DIN right outwards

Fig. 2.12 – Definition of the door opening direction for right doors

2.9 Scope of supply

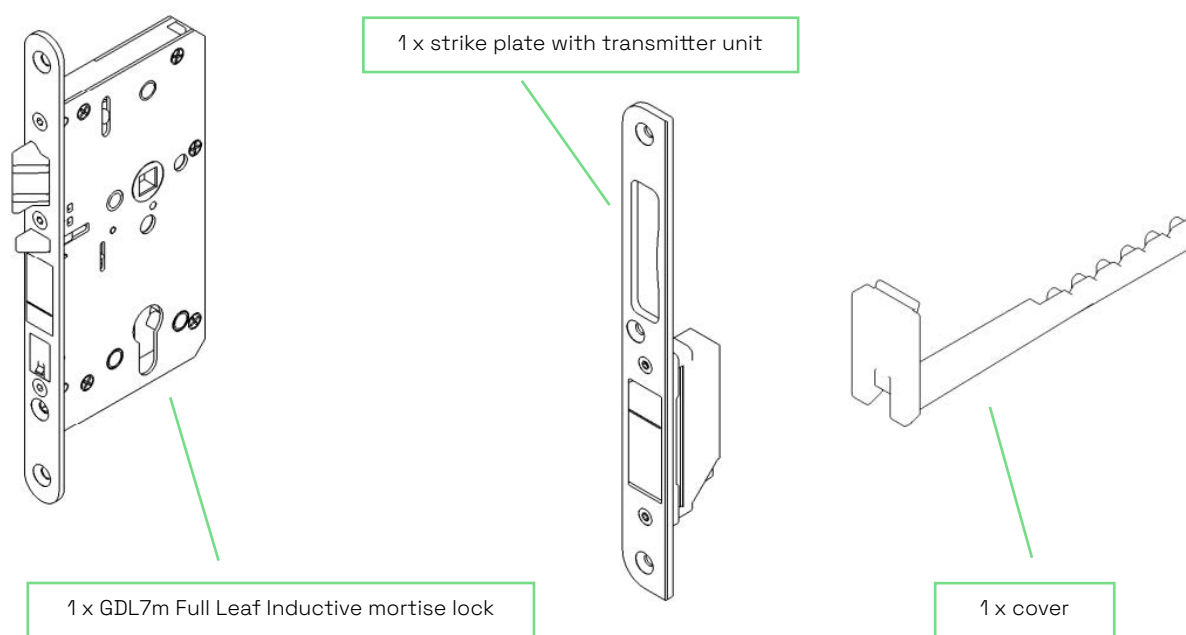
2.9.1 GDL7m Full Leaf Battery

The following components are included with each GDL7m Full Leaf Battery lock.



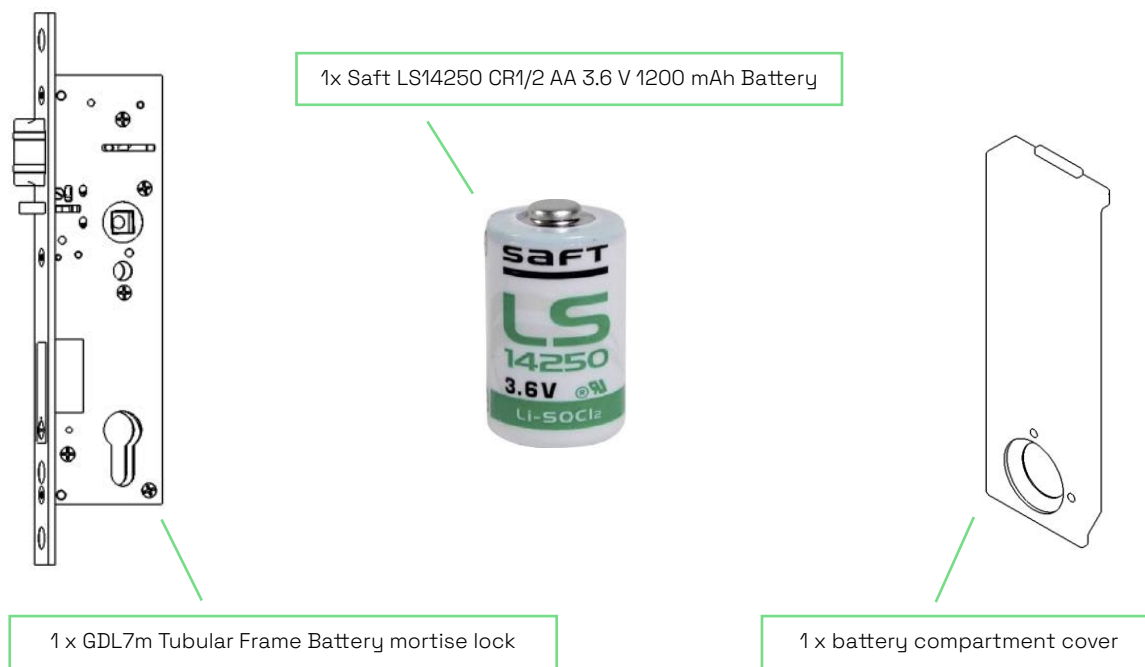
2.9.2 GDL7m Full Leaf Inductive

The following components are included with each GDL7m Full Leaf Inductive lock.



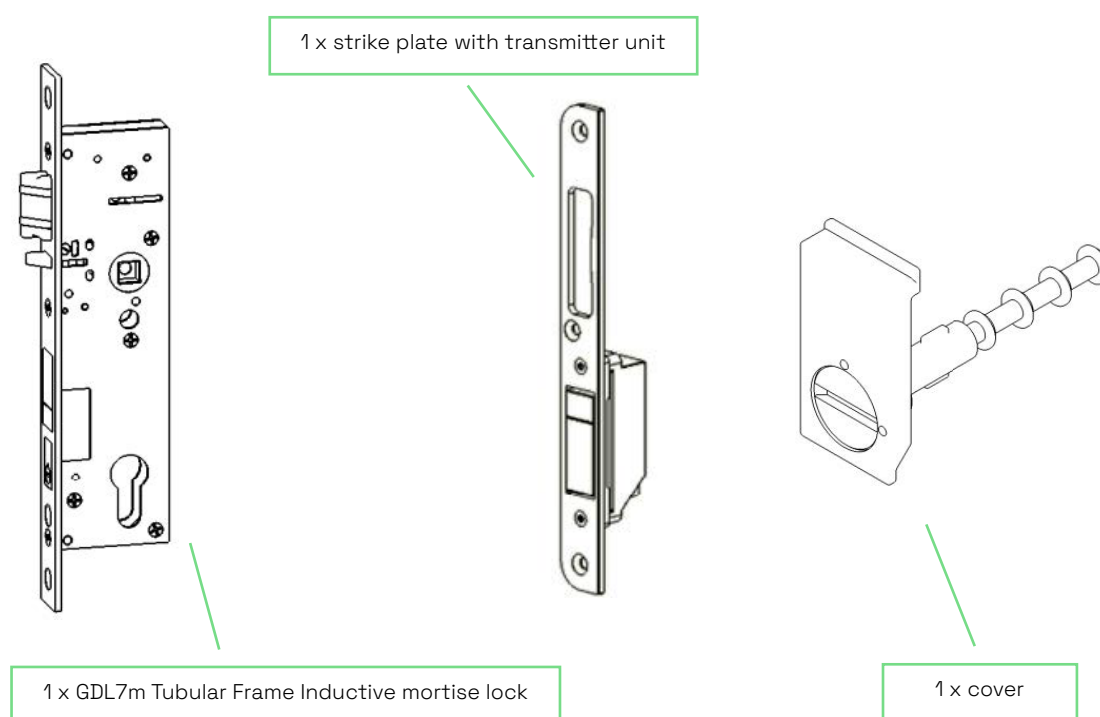
2.9.3 GDL7m Tubular Frame Battery

The following components are included with each GDL7m Tubular Frame Battery lock.



2.9.4 GDL7m Tubular Frame Inductive

The following components are included with each GDL7m Tubular Frame Inductive lock.



3 INSTALLATION

NOTICE

Risk of damage or failure to the GDL7m

- Read the information in this chapter carefully before installing the GDL7m.
- The GDL7m must be installed in a dry place; protected from rain and dripping water.
- Carefully observe the measurement diagrams.
- Use the correct tools to install the GDL7m.

3.1 Target group

This chapter provides information on the installation of the GDL7m mortise lock and is intended for trained personnel with knowledge in the installation of door locks and fittings. Read these instructions carefully prior to installation. Builders and end-users are to be made aware of the compliance with these instructions to ensure correct installation and operation.

- In case of damage due to non-observance of the installation and assembly instructions, as well as the use of non-original accessories, the warranty is void.
- Alteration and/or modification of the product is not permitted.

3.2 General installation instructions

The lock and fitting must be marked with the same classification key according to the European standards. Only the fitting combinations specified in the certificate are permissible. This also applies to the assembly in replacement needs. If, due to the frame construction, no locking counterpart is supplied, it is the responsibility of the installer to provide a technically equivalent solution in consultation with the manufacturer.

All pictorial, product, dimensional, and execution specifications included in this manual correspond to the current state of development as of the day of printing. This product is subject to a continuous improvement process and is constantly being adapted to technical developments.

Please observe the following general instructions when installing the GDL7m.

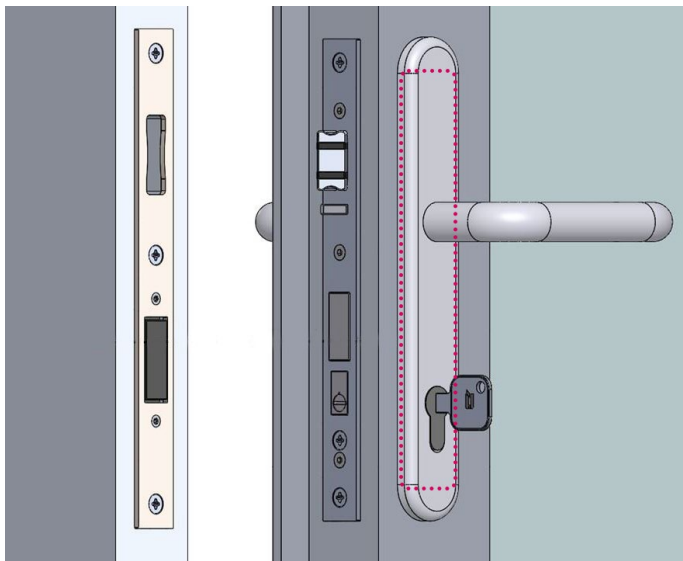
1. Before installing the GDL7m in an emergency exit door, check the door for correct installation, correct suspension, seals, and door gap.
2. Check whether the door allows the use of the lock without restrictions and the closures are suitable for these doors; the GDL7m series locks are suitable for single-leaf doors and for fire and smoke protection doors made of wood, sheet metal, and steel up to 200 kg door weight. The locks are not suitable for pendulum and hollow chamber doors.
3. Suitable for use with fire and smoke control doors. Check the fire protection certification to ensure that the electromechanical lock and corresponding strike plate are suitable for this type of door.
4. When using door and floor seals, ensure that the function of the electromechanical lock is not hindered nor impaired and that the standard operating forces are not exceeded.
5. Select the correct size of the electromechanical lock and strike plate.
6. The installation instructions of all components of the emergency exit and panic locks must be observed; the appropriate supplied or suitable fastening material is to be used. All specified components must be installed.
7. Panic sets of handle/handle or panic bar/handle with a 9 mm split pusher pin must be used on the electromechanical locks.

8. The instructions for installation and maintenance of all components of the emergency exit and panic locks shall be given to the operator after installation.
9. Emergency exit and panic doors must be marked on the inside with the applicable pictograms.
10. Commercially available profile cylinders according to DIN 18252 or round cylinders can be used. Freewheel and knob cylinders are not permitted.

3.3 Note on installation in difficult conditions

If the GDL7m is installed in a door with metal frame, metal door, or in a fire protection door with metal planking, wireless communication may be impaired. This is indicated when the connection quality is displayed in red in the software. To remedy this, the following steps can be taken to improve the connection between the reader and the GDL7m.

1. The GDL7m is supplied with an antenna that is loosely attached to the back of the lock via an adhesive strip. The antenna has a long cable that allows it to be removed to find the optimal position if the connection quality is poor.
2. Carefully remove the antenna from the adhesive strip at the back of the GDL7m. Pull the antenna cable out of the lock as far as possible without unplugging or tearing it.
3. Route the antenna and cable past the GDL7m housing to the outside of the door where the antenna is not as obstructed by metal. A recommended position is under the rose of the lever handle or long plate as shown in the below.



NOTE!

- Ensure that the cable cannot be affected or damaged by the moving parts of the lock and that it is not damaged by the installation of the lock.
 - Also make sure that the antenna is placed on the same side of the door where the reader that controls the lock is located.
4. After completing this modification, the connection quality should have improved noticeably, and the indicator should now be displayed in green or orange. In this case, the proper functionality is to be expected. If the connection quality is still displayed in red, another antenna position must be sought.

3.4 Installation measurements – Full Leaf

3.4.1 Profile Cylinder 72 / Round Cylinder 74

A = Distance	B = Backset	C = Lock Housing Height
Profile Cylinder 72 mm Round Cylinder 74 mm	55 / 60 / 65 / 80 mm	165 mm

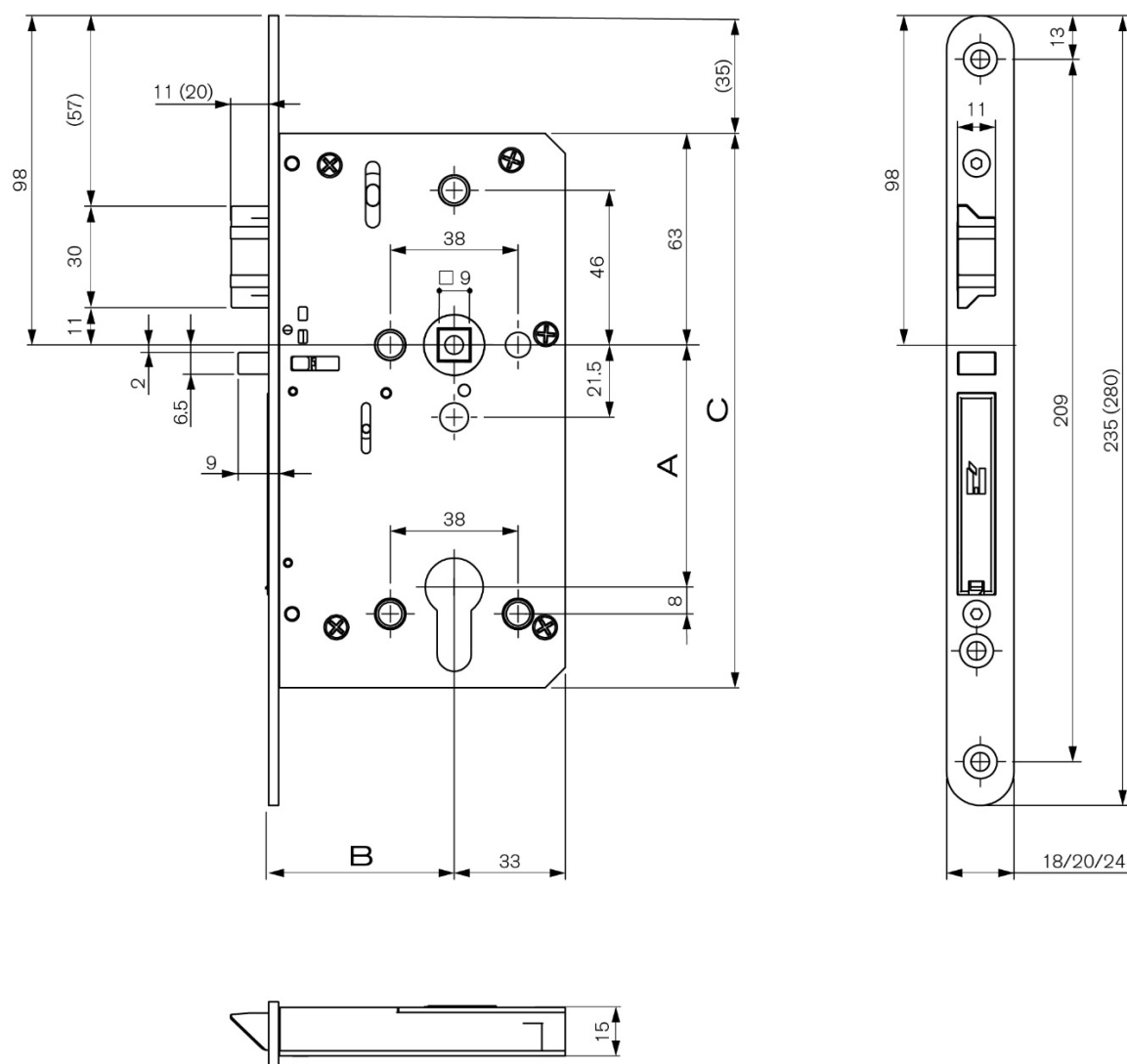


Fig. 3.1 – Installation measurements – Profile Cylinder 72 / Round Cylinder 74

3.4.2 Profile Cylinder 88

A = Distance	B = Backset	C = Lock Housing Height
Profile Cylinder 88 mm	55 / 60 / 65 / 70 mm	181 mm

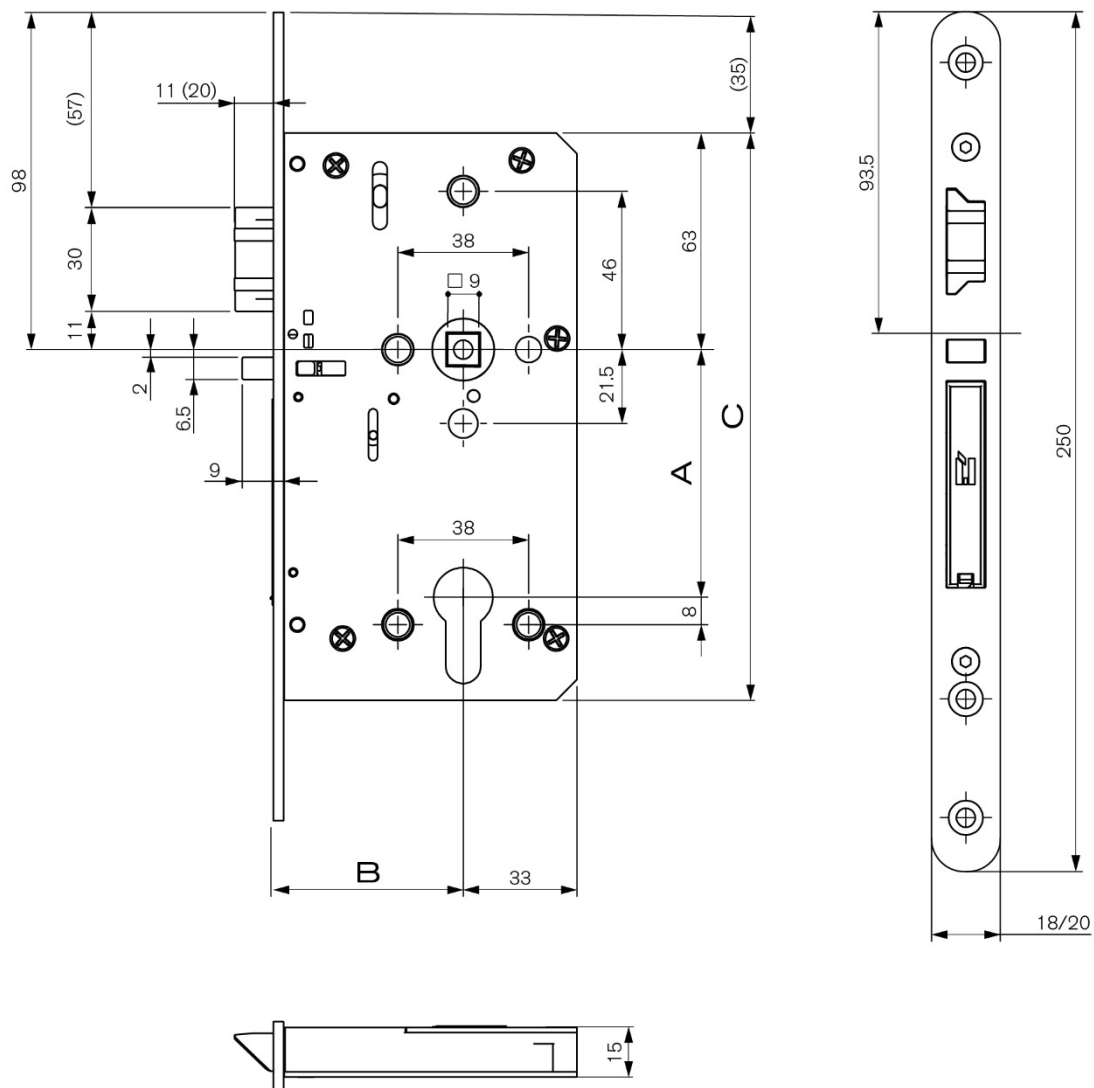


Fig. 3.2 – Installation measurements – Profile Cylinder 88

3.4.3 Profile Cylinder 92

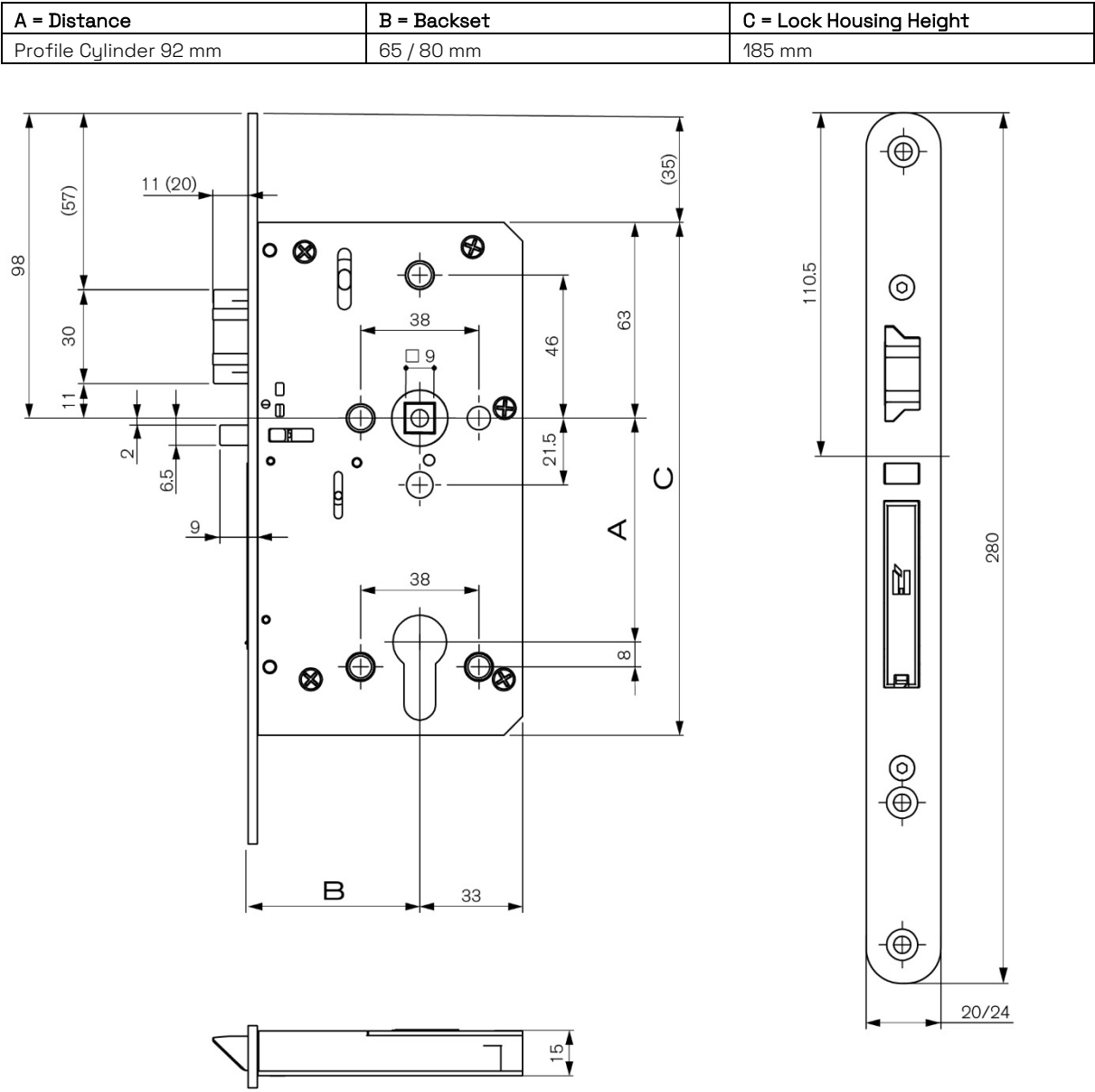


Fig. 3.3 – Installation measurements – Profile Cylinder 92

3.4.4 Round Cylinder 78

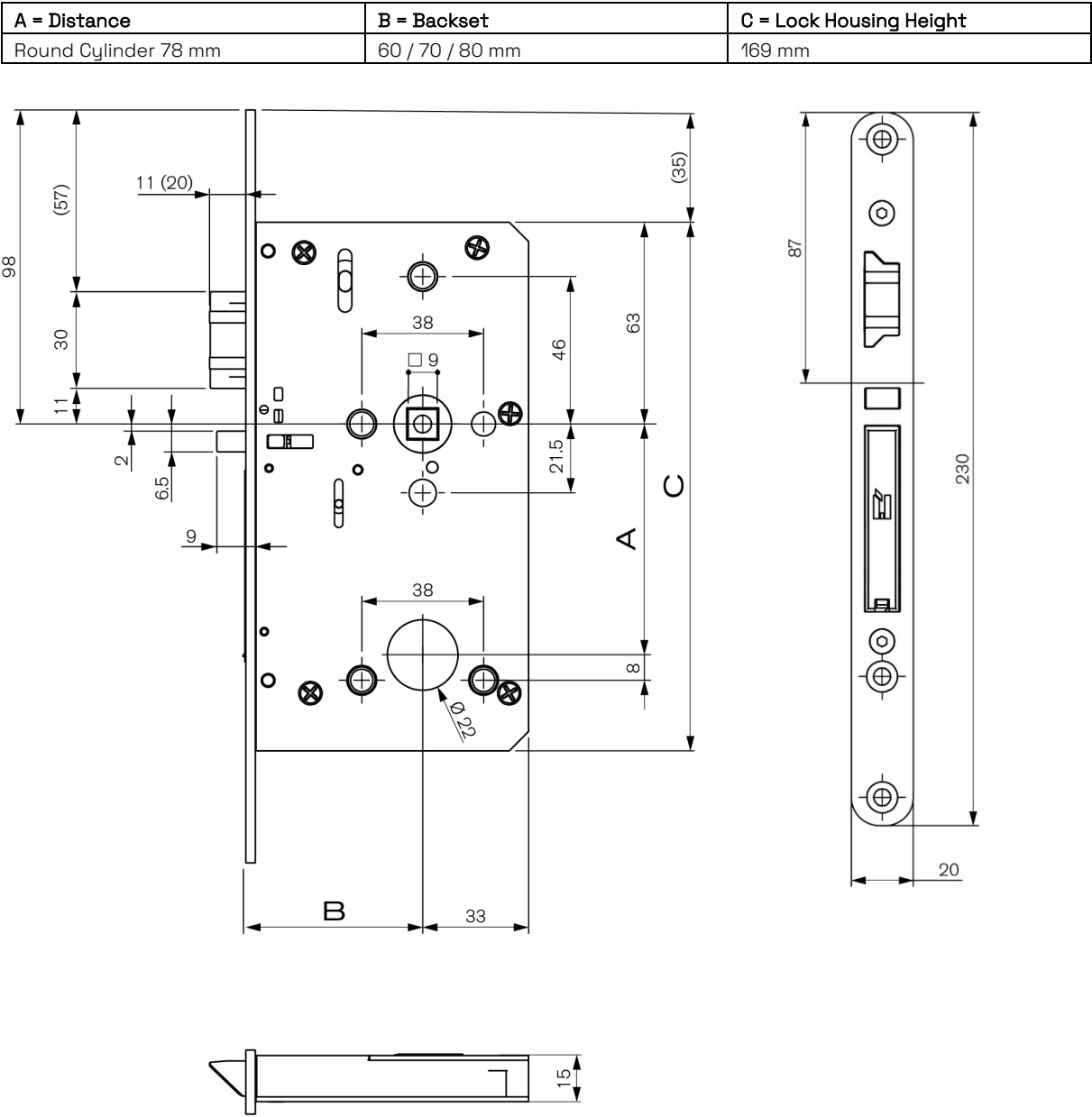


Fig. 3.4 – Installation measurements – Round Cylinder 78

3.5 Installation measurements – Tubular Frame

3.5.1 Profile Cylinder 92

A = Distance	B = Backset	C = Lock Housing Height
Profile Cylinder 92	35 / 40 / 45 mm	190 mm

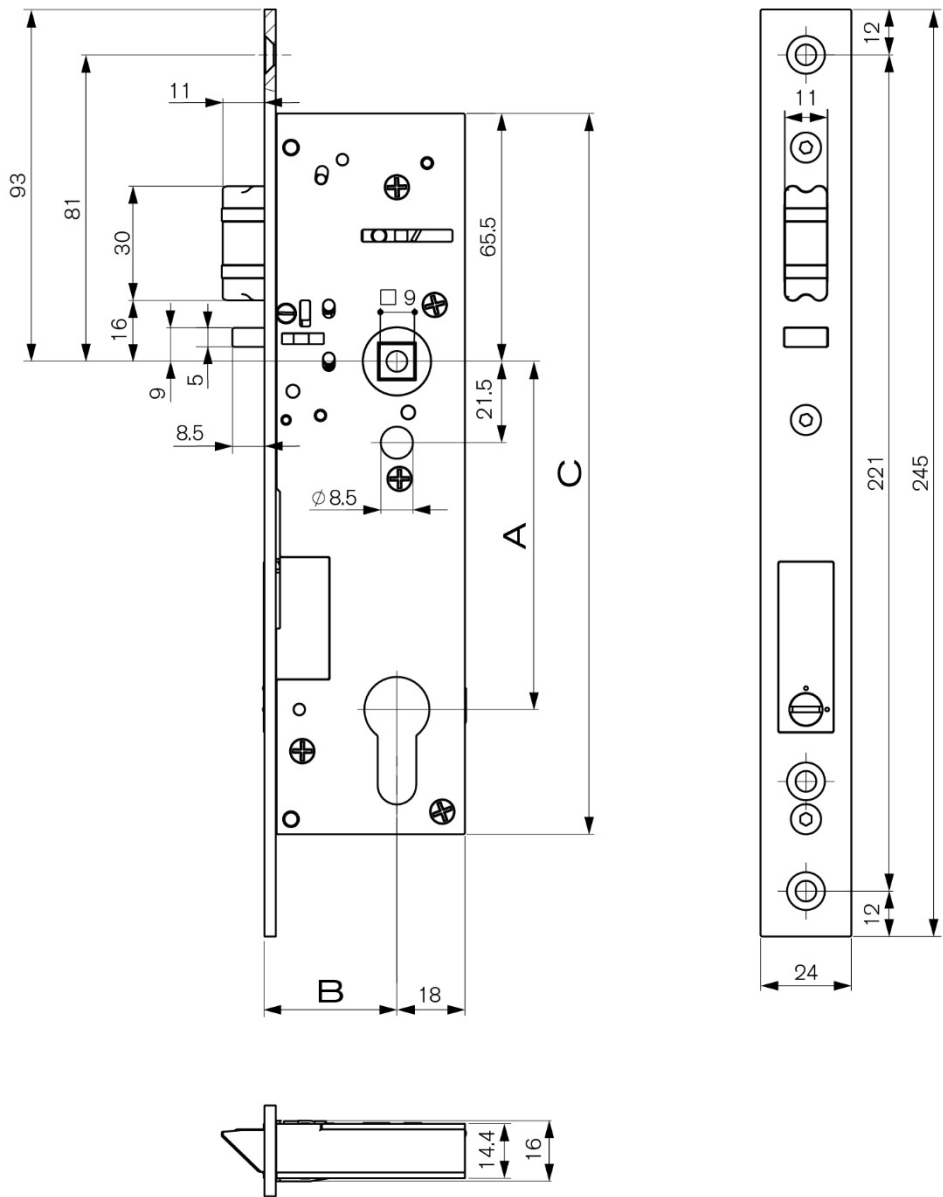


Fig. 3.5 – Installation measurements – Profile Cylinder 92

3.5.2 Round Cylinder 94

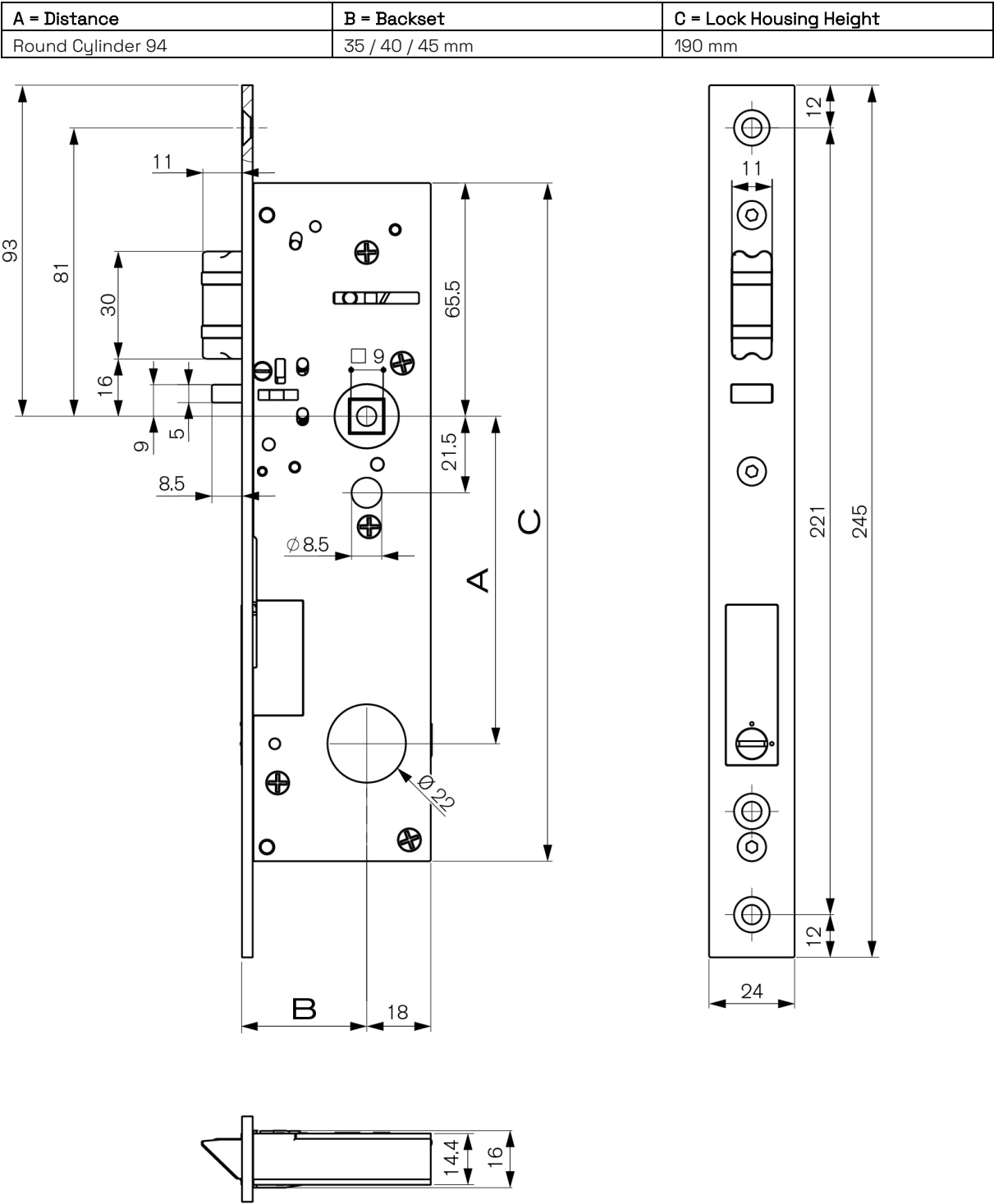


Fig. 3.6 – Installation measurements – Round Cylinder 94

3.6 Installation measurements – Strike plate

To guarantee the correct functionality of the GDL7m, use a strike plate of the dimensions shown below depending on the door type.

NOTE!

- Minimum strike plate thickness: 1.5 mm
- Recommended strike plate thickness: 3.0 mm

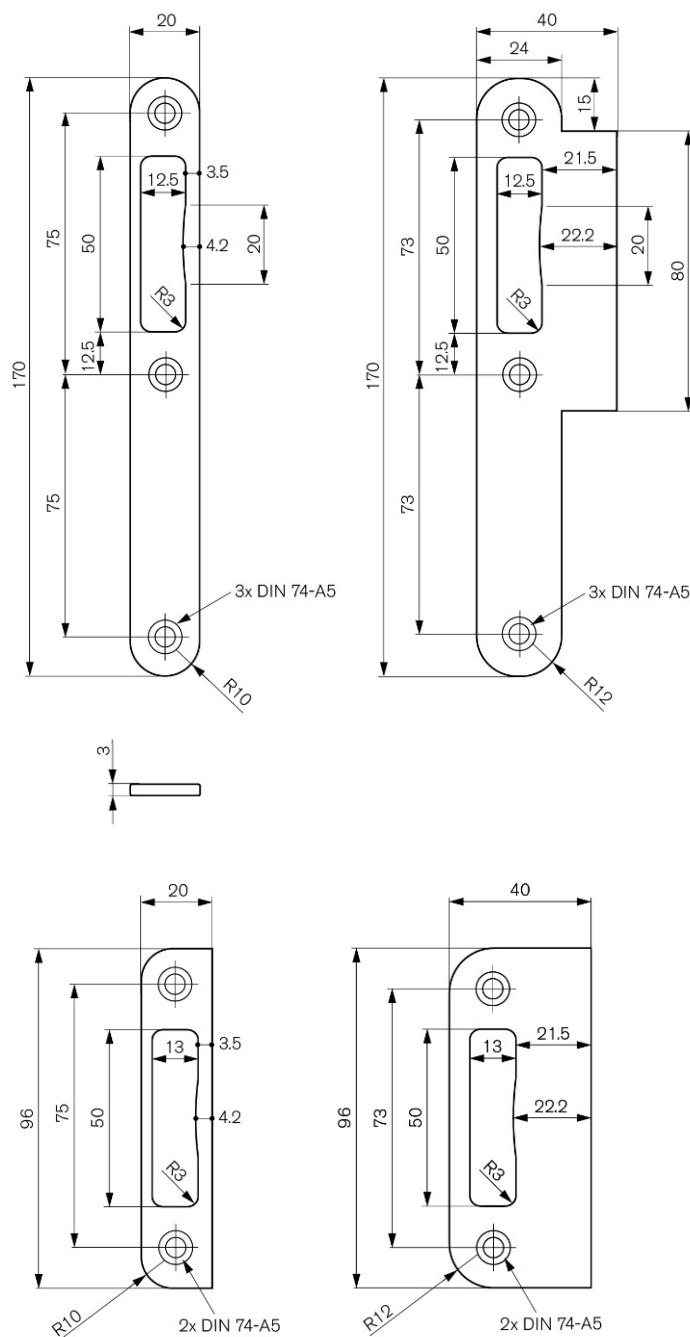


Fig. 3.7 – Installation measurements – Strike Plate

3.7 Installation instructions

NOTE! The GDL7m is supplied with an antenna that is loosely attached to the back of the lock via an adhesive film. This allows you to remove the antenna to optimize its position if the wireless connection is poor. Refer to chapter “3.3 Note on installation in difficult conditions” for instructions. If the connection is good (orange or green symbol in the web interface), the antenna can remain in place attached to the lock.

1. Insert the mortise lock into the prepared lock pocket and fasten using suitable countersunk screws, min. Ø4 x 30 mm for wood or M4 x 30 mm for steel doors.
2. Attach the strike plate to the door frame and fasten using suitable countersunk screws, min. Ø4 x 30 mm or M4 x 30 mm.

NOTE! The latch bolt, which has an exclusion of 11 or 20 mm depending on the lock type, must be able to be completely accommodated in the counterpart strike plate. If necessary, the contour of the locking counterpart must be adapted to the door situation.

3. Install the lock cylinder; however, do not tighten the cylinder fastening screw.
4. Using the drilling template, mark the mounting points for the fitting on the inner and outer sides of the door.
5. Remove the lock cylinder and lock from the lock pocket.
6. According to the hardware manufacturer, drill the mounting holes in the lock pocket.
7. Reinstall the lock and cylinder according to points 1 and 2.
8. Install the fitting according to the enclosed instructions. Tighten the cylinder fastening screw.
9. Complete a functional inspection of the door system and test the following:
 - i. Test that the lock can withstand the standard operating forces.
 - ii. Test the safe release and free movement of the door in the retracted state of the closure.
10. The handles/panic bar should run smoothly and not be distorted. Handles that are clamping or jamming can cause the GDL7m to malfunction.

3.8 Installing the transmitter unit

NOTICE

Risk of damage to the device.

- In the case of GDL7m locks with an inductive power source, no other inductive loads may be connected to the same power unit that supplies the GDL7m.
- Follow the instructions on the following page.

For GDL7m locks that are using an inductive power source, two spacers are included with the transmitter unit upon delivery. The spacers can be removed as required to ensure the correct door gap is maintained. Complete the following steps to install the transmitter unit.

- Install the transmitter unit into the door frame and close the door.
- Measure the door gap.
- Use the table below to set the projection of the transmitter unit according to the door gap, removing 1 or 2 spacers if required.

Door gap (mm)	Spacers (pcs.)
5	0
4	1
2 – 3	2

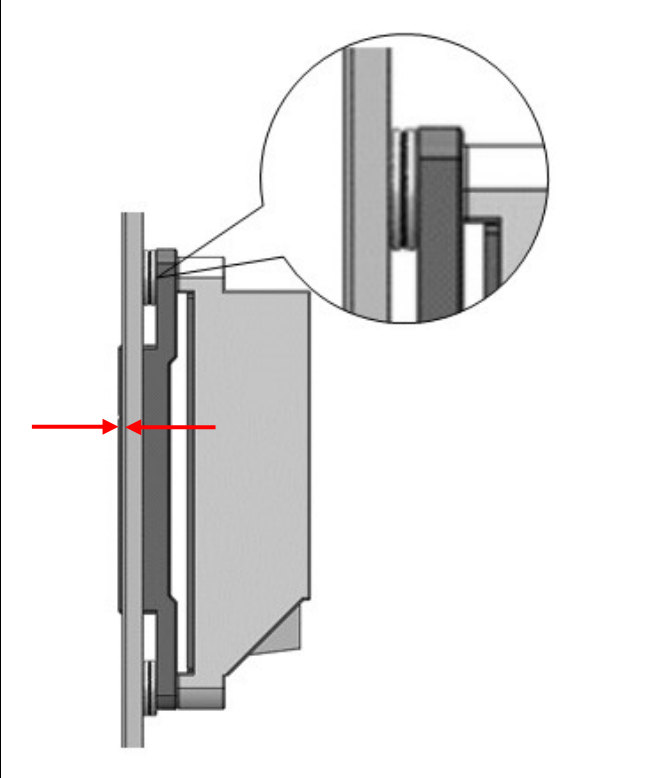
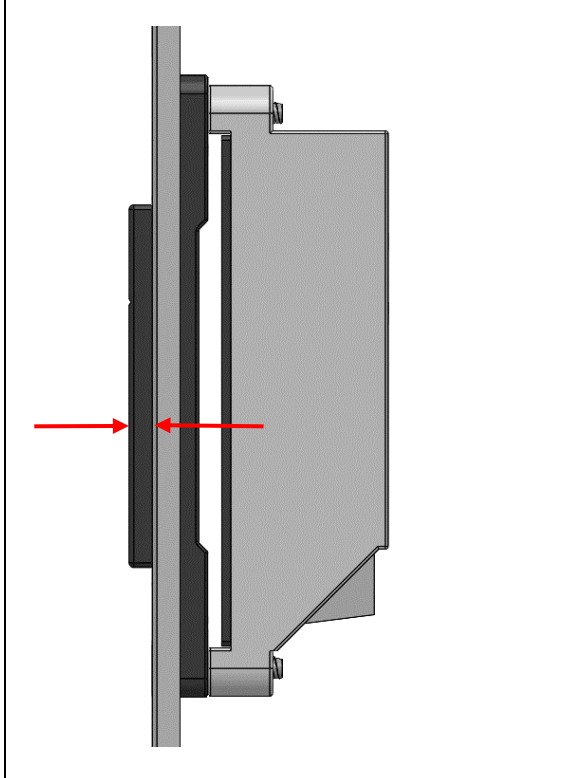



Fig. 3.8 – Remove spacers in accordance with the door gap if required

- Connect the voltage supply cable to the power connector screw terminals on the rear of the strike plate as shown below.

NOTE! The correct polarity does not need to be observed.

ATTENTION! The power supply for the inductive power source of the GDL7m must not be provided together with the same power supply unit that is also used to supply other inductive loads such as door openers of other doors. This could damage the GDL7m. Always use a separate power supply unit that only powers the GDL7m and max. the GAT DC 7200 controller and the reader.

- Attach the strike plate to the door frame using the three supplied mounting screws.

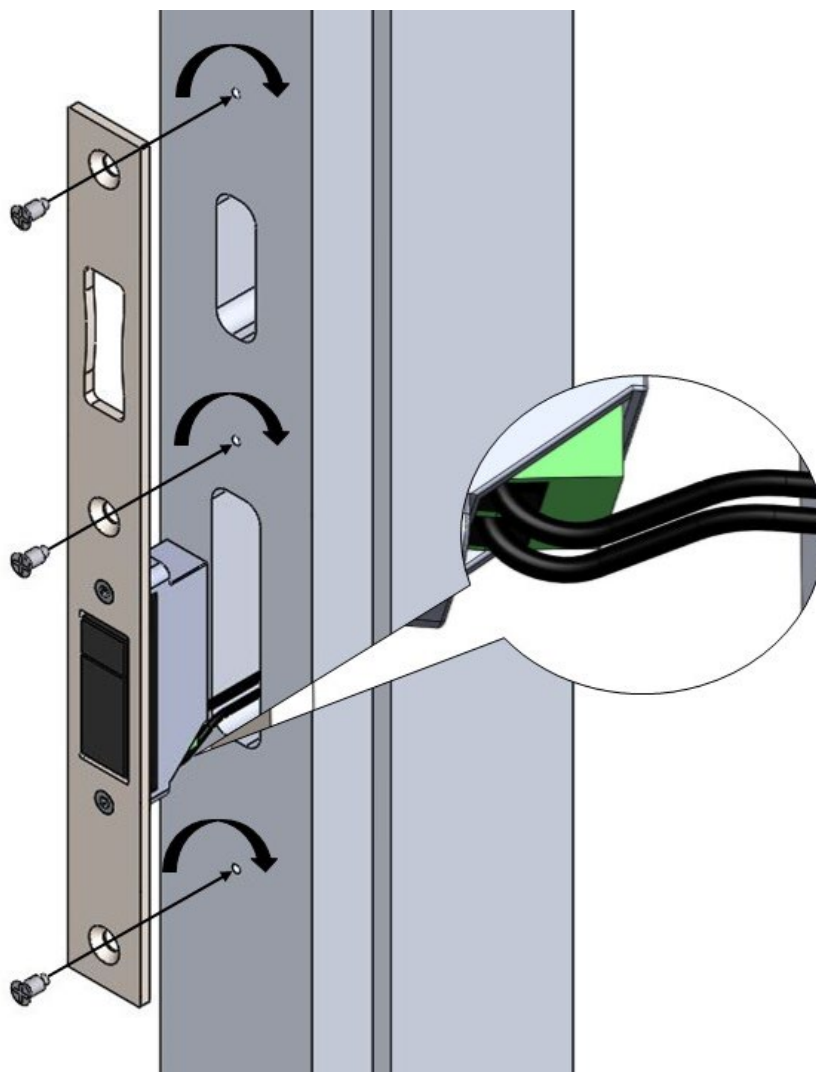


Fig. 3.9 – Connecting the voltage supply cable

- Rotate the screws (Torx 10) on the strike plate 90 degrees anticlockwise to fine-tune the height of the latch bolt entry.

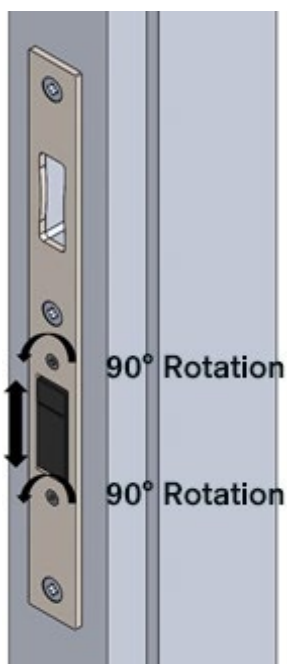


Fig. 3.10 – Adjusting the height of the latch bolt entry

- Ensure that the mark on the strike plate aligns with the corresponding mark on the mortise lock.

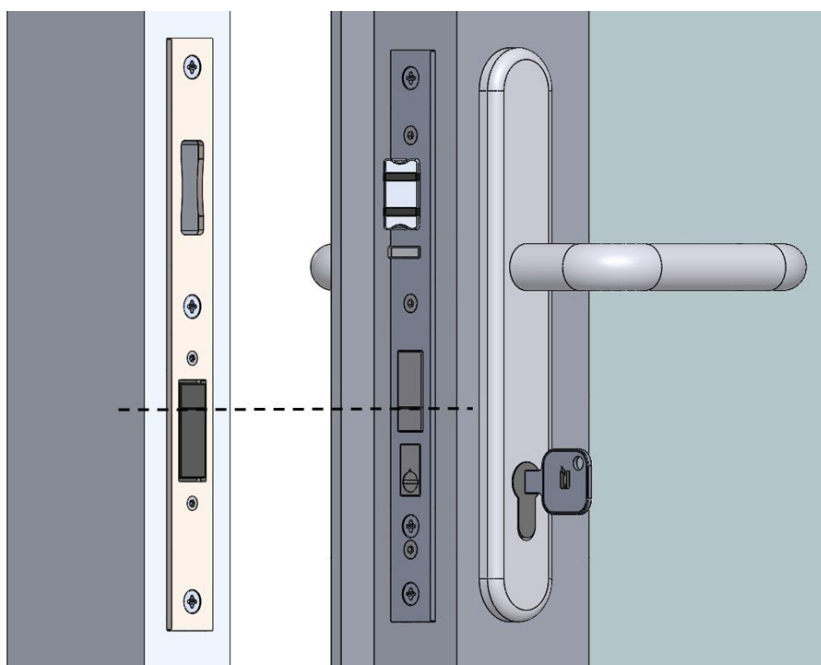


Fig. 3.11 – Ensure that the marks are aligned

4 COMMISSIONING & CONFIGURATION

4.1 Target group

This chapter contains information for technicians who commission and configure the GDL7m and its associated components and put the system into operation. A basic knowledge of electronics is assumed. It is also recommended to participate in a Gantner training course on the access control system.

4.2 GDL7m Full Leaf

4.2.1 Battery information

The GDL7m mortise lock for full-leaf doors requires 2 x 1.5 V AAA lithium batteries (see "7 TECHNICAL DATA") for operation. The battery lifespan is determined by the frequency of use, the operation time, and the ambient conditions. The batteries must be replaced when the battery voltage, as measured by the GDL7m and displayed in Gantner software such as the GAT DC 7200 web interface and GAT ACE 7000, becomes too low.

NOTE! Only use the Gantner approved battery (2 x Energizer L92 Lithium Batteries AAA, 1.5 V, Part No. 574982).

4.2.2 Inserting the battery

- ▶ Insert the battery compartment with the battery contacts facing down into the opening on the GDL7m as far as it will go (Fig. 4.1).
- ▶ Before attaching the battery compartment cover, the GDL7m must be paired with the Gantner reader by pressing the pairing button (Fig. 4.2). See chapter "4.4 Pairing the GDL7m with the Gantner reader" for instructions on this process.

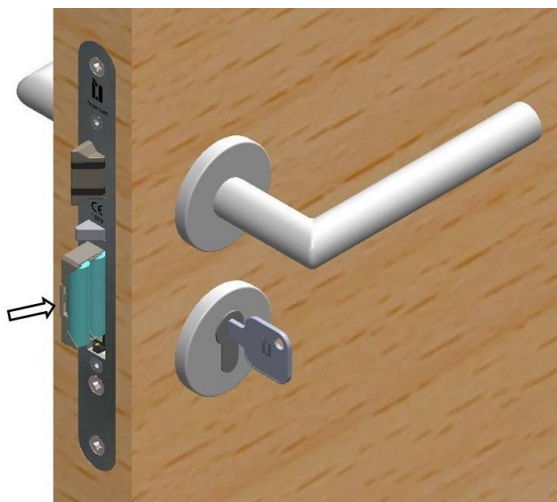


Fig. 4.1 – Inserting the battery compartment

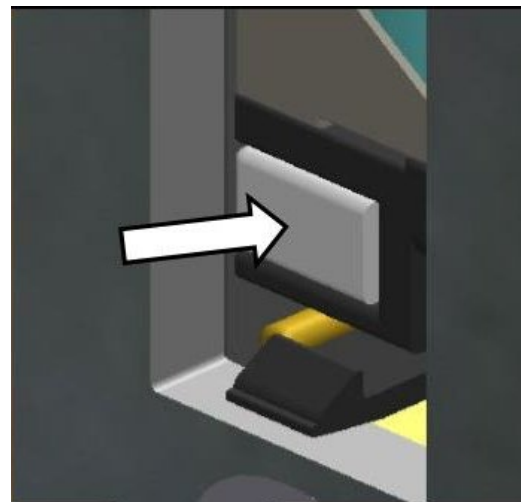


Fig. 4.2 – GDL7m pairing button

4.2.3 Attaching the battery compartment cover

- Insert the bottom part of the battery compartment cover into the respective opening on the bottom of the GDL7m.

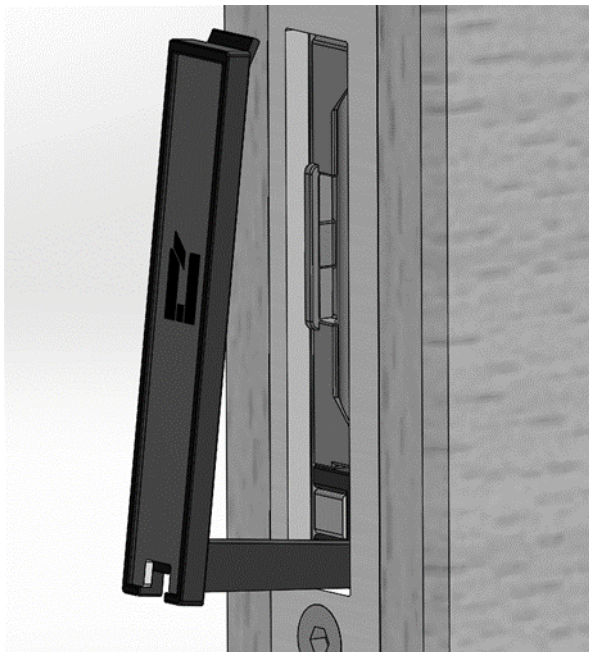


Fig. 4.3 – Attaching the battery cover – Step 1

- Hook the top part of the battery compartment cover into the top of the GDL7m and swing the cover forward until it clicks into place.

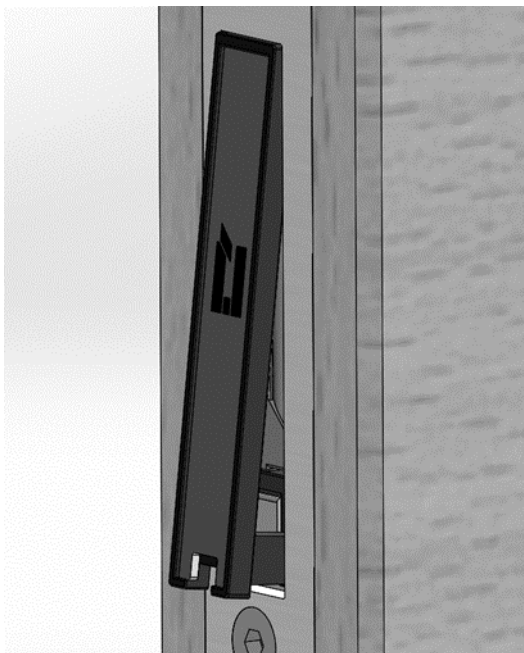


Fig. 4.4 – Attaching the battery cover – Step 2



Fig. 4.5 – Attaching the battery cover – Step 3

4.3 GDL7m Tubular Frame

4.3.1 Battery Information

The GDL7m mortise lock for tubular frame doors requires 1 x CR1/2 AA 3.6 V battery (see "7 TECHNICAL DATA") for operation. The battery lifespan is determined by the frequency of use, the operation time, and the ambient conditions. The battery must be replaced when the battery voltage, as measured by the GDL7m and displayed in Gantner software such as the GAT DC 7200 web interface and GAT ACE 7000, becomes too low.

NOTE! Only use the Gantner approved battery (1x Saft LS14250 CR1/2 AA 3.6 V 1200 mAh battery, 1.5 V, Part No. 1102512).

4.3.2 Inserting the battery

- Insert the battery into the opening on the GDL7m as far as it will go (Fig. 4.6).
- Before attaching the battery compartment cover, the GDL7m must be paired with the Gantner reader by pressing the pairing button (Fig. 4.7). See chapter "4.4 Pairing the GDL7m with the Gantner reader" for instructions on this process.

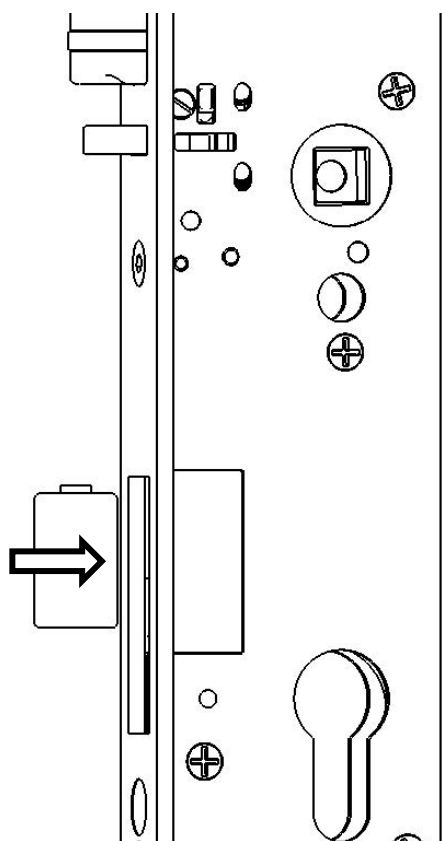


Fig. 4.6 – Inserting the battery

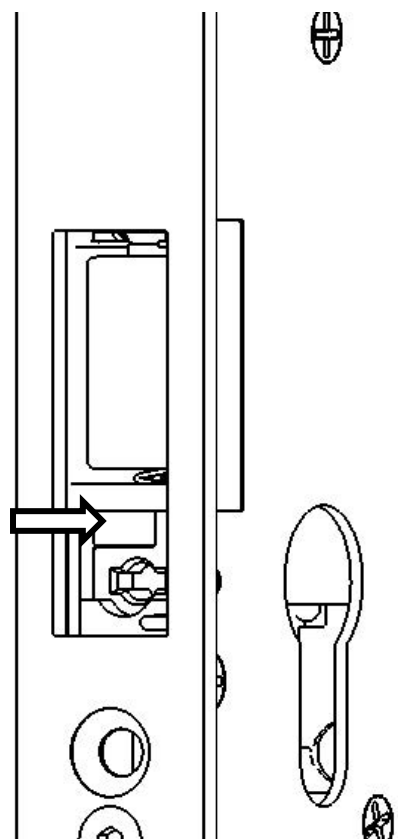


Fig. 4.7 – GDL7m pairing button

4.3.3 Attaching the battery compartment cover

- ▶ Insert the bottom part of the battery compartment cover into the respective opening on the bottom of the GDL7m.
- ▶ Hook the top part of the battery compartment cover into the top of the GDL7m and swing the cover forward until it clicks into place.

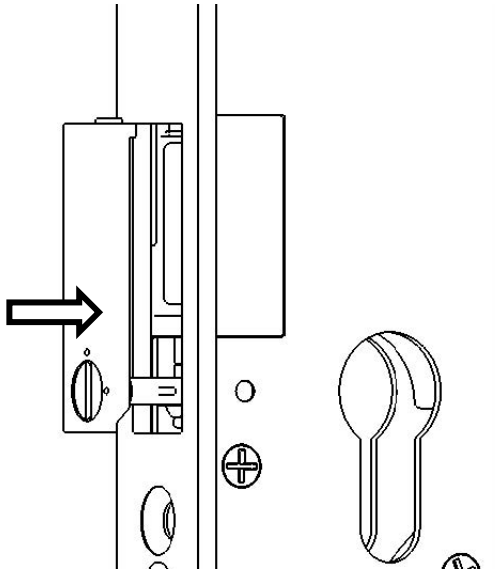


Fig. 4.8 – Attaching the battery cover – Step 1

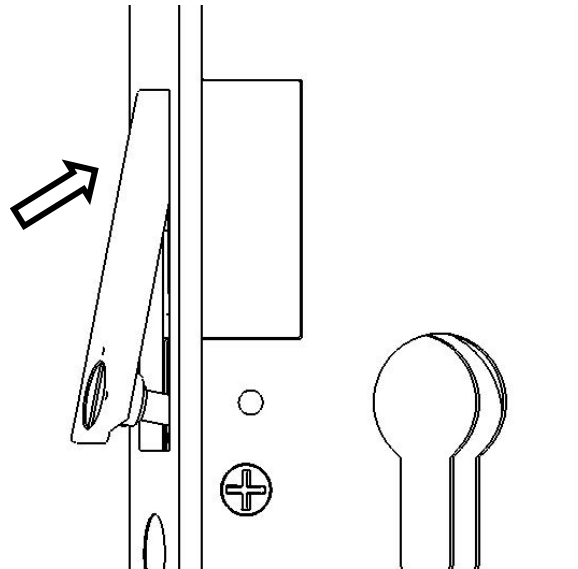


Fig. 4.9 – Attaching the battery cover – Step 2

- ▶ Insert a flat-blade screwdriver into the locking screw and rotate 90° clockwise to lock the battery compartment.

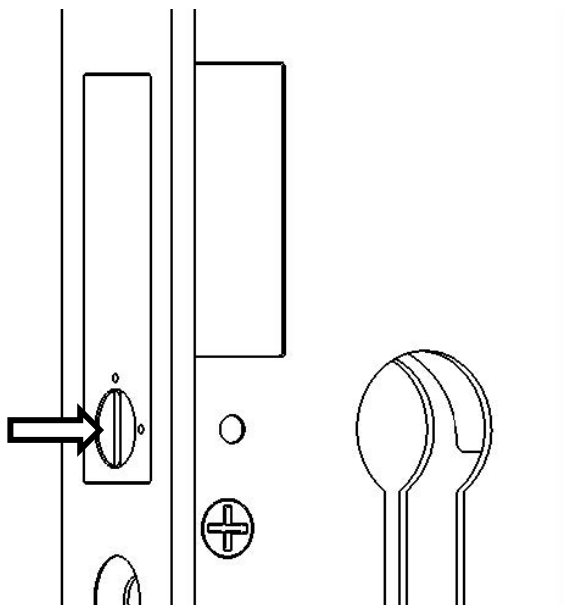


Fig. 4.10 – Attaching the battery cover – Step 3

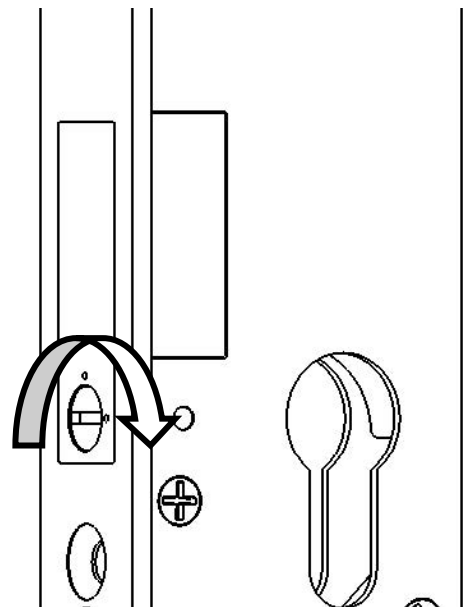


Fig. 4.11 – Attaching the battery cover – Step 4

4.4 Pairing the GDL7m with the Gantner reader

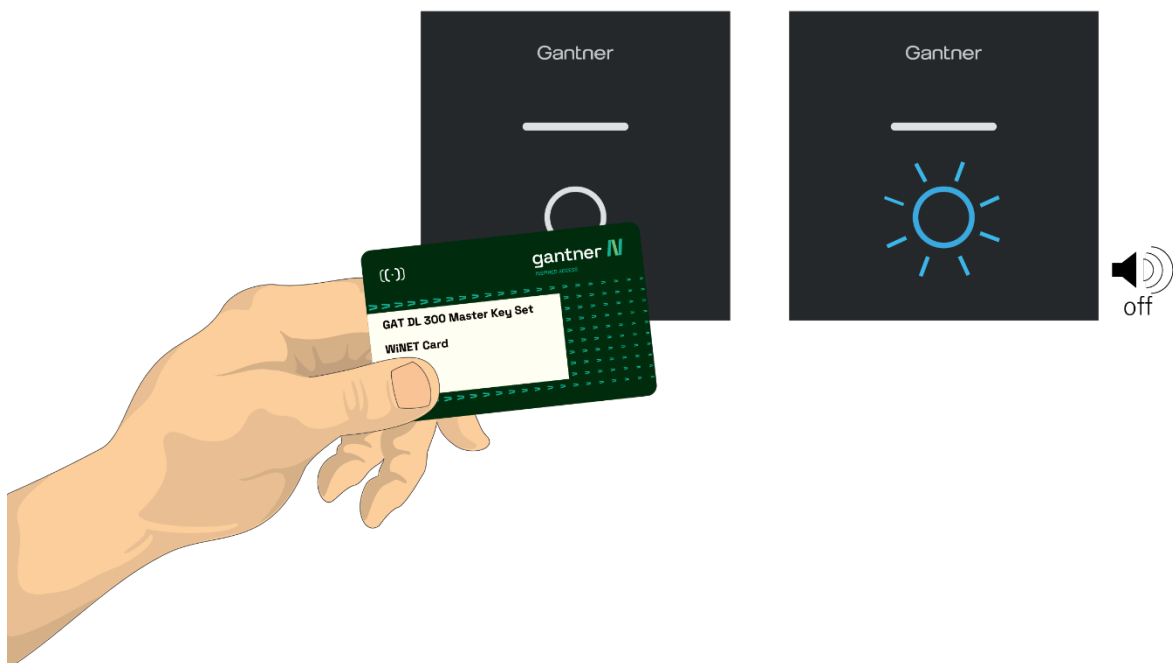
The GDL7m lock operates in combination with a GAT SR 73xx series reader. To establish wireless communication between the GDL7m and the reader, they first must be paired together. Before starting the pairing process, ensure that the battery is inserted in the GDL7m and the reader is being supplied with power.



The WiNET data carrier from the Master Key Set (see "2.5.4 Master Key Set") is required for pairing. In addition, the FID number of the Master Key Set must match that of the controller to which the reader is connected.

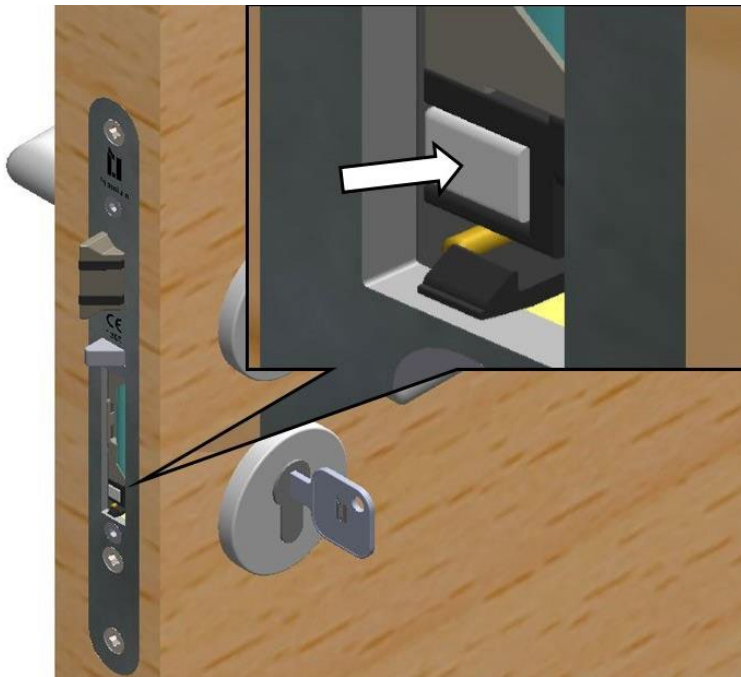
To pair the GDL7m with the reader:

- ▶ Hold the WiNET data carrier in front of the blue reading field of the reader.
 - On the reader, the LED bar flashes green briefly then turns solid red again, and the reading field LED begins flashing blue for 2 minutes.
- NOTE!** A red LED bar after reading the WiNET data carrier indicates that the FID numbers do not match. In this case, a booking with booking code 1203 is also created on the controller.



The reader remains in pairing mode for 2 minutes after activation with the WiNET data carrier. When re-pairing, i.e., after the reader is reset or a connection interruption, there is no timeout.

- ▶ Using a flat-blade screwdriver, briefly press the pairing button on the GDL7m in.
 - On the GDL7m, the LED flashes red briefly. After a few seconds to max.1 minute, the LED flashes green for 1.5 seconds, which signalizes the successful pairing with the reader.
 - On the reader, the reading field LED changes from flashing blue to solid blue.
 - The Gantner reader is now paired with the GDL7m.



NOTE! If the LED is flashing red, this means that the button has been pressed twice and wireless communication has been disabled. In this case no pairing is possible.

4.5 Resetting the GDL7m to the default settings

Resetting the GDL7m to the default settings returns the lock to the same state it was in upon delivery. If a reader is already paired with the GDL7m and the GDL7m is reset, the pairing “key” is deleted from the GDL7m, and the reader will no longer be paired. If required, a new reader can be paired with the GDL7m after the lock is reset. Complete the following steps to reset the GDL7m to the default settings.

- ▶ Using a flat-blade screwdriver, press and hold the learning button in for approximately 5 seconds until the LED flashes green for 1.5 seconds.
 - The GDL7m is reset to the default settings.



To pair the GDL7m with another Gantner reader, see chapter “4.4 Pairing the GDL7m with the Gantner reader”.

4.6 Configuration

The GDL7m operates in combination with a GAT SR 73xx reader. Communication with and control of the GDL7m controlled door occurs wirelessly via the paired reader. The reader receives the command to lock or unlock the door via the GAT DC 7200 door controller or access control software (GAT ACE, Matrix).

In comparison to other Gantner electronic locks, the GDL7m does not store any data carrier information in the lock and cannot make authorization decisions autonomously. The GDL7m must always be paired with the reader, and the reader must always be online for operation.

The GDL7m mortise lock usually only requires configuration once after all the required system components (GDL7m, Gantner reader, GAT DC 7200) are installed. The configuration process is as follows:

1. Pair the GDL7m lock with the Gantner reader to establish wireless communication.
2. Configure the GAT DC 7200 and connected door/reader via the GAT DC 7200 web interface.

Once the GDL7m system is paired and configured, operation at the door is carried out in accordance with the defined door plan, which is configured via the GAT DC 7200 web interface or via Matrix.



For detailed information on configuring door plans, refer to the GAT DC 7200 or Matrix documentation.

4.7 Configuration via the GAT DC 7200 web interface

Configuration of the GAT DC 7200 door controller is done via an internet browser and web interface. Any current browser can be used on a computer as well as the mobile variant via a smartphone or tablet. Gantner recommends using the latest version of the Firefox or Chrome web browser for configuration.



See the GAT DC 7200 manual for detailed information regarding installing and configuring the door controller.

- Enter one of the following addresses into the web browser to access the GAT DC 7200 web interface:

`http://DC7x_nnnnnnnnn` (where nnnnnnnnn is the device serial number) or
`http://<IP-Address>` (where <IP-Address> is the IPv4 address of the GAT DC 7200 in the network)



The GAT DC 7200 uses DHCP to automatically obtain an IP address from the network during startup. The IP address of the GAT DC 7200 can be found, e.g., using Gantner's GAT Device Finder software.

Descripti...	MAC Address	IP Address	NetBios Name	Serial	Article	Device Model	Device Type	Firmware	Hardware
	00:12:08:C0:4A:9E	192.168.1.62	DC7x_0000000008	0000000008	00532220	GAT DC 7200	PLUS	1.0.32	1.0

- The login window opens.
- Enter your username and password into the login window.

NOTE! The default username and password are "admin" and "GAT" respectively. After logging in for the first time, change the default password to a secure password and store it in a safe place.

- Click on "OK".
 - The main window with live view of the doors is displayed. The main functions of the web interface can be accessed via the menu to the left.

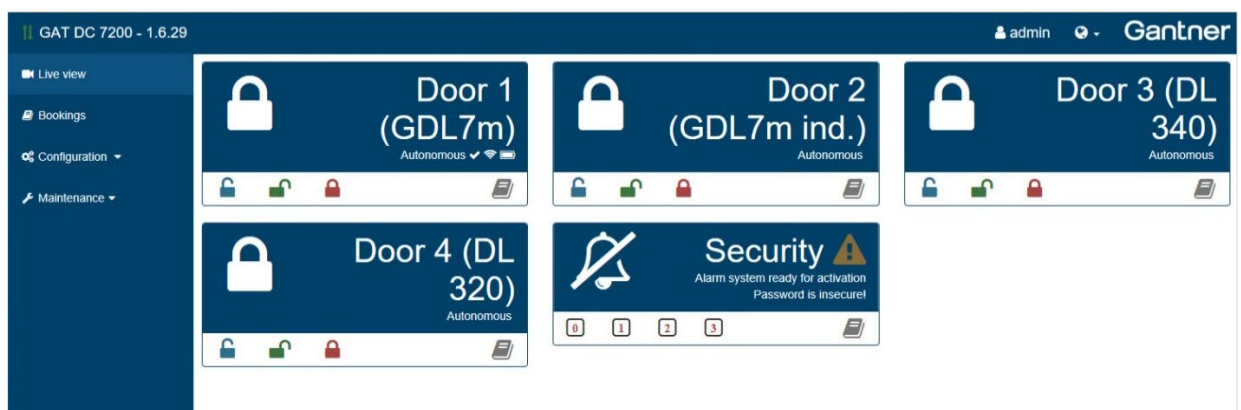


Fig. 4.12 – GAT DC 7200 web interface main window

4.7.1 Reader configuration

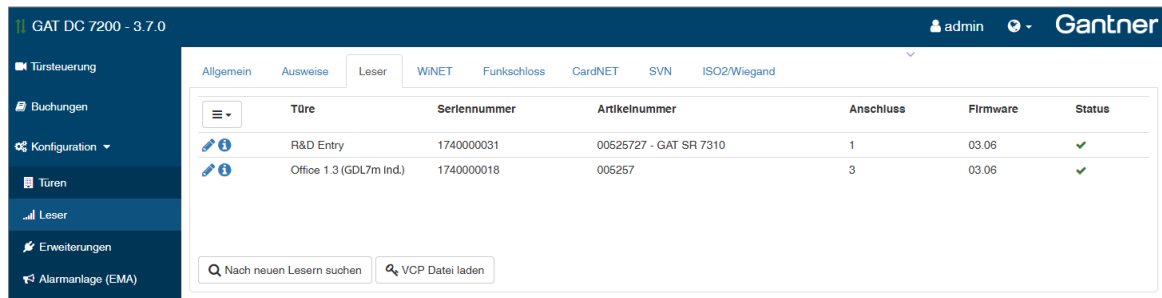
- Open the “Configuration” menu, select the “Readers” menu item then go to the “General” tab. The following information can be defined.
 - “Default company id: Enter your system number in this field. You would have received this number together with delivery of the Master Key Set.
 - “Auto assign reader id to reader port number”: This setting is enabled by default and allows the readers to be identified and assigned automatically via the Plug&Play PLUS function. Ensure that this setting is enabled or configure your reader manually.
 - “RFID standards”: In this area, select the RFID technologies or ISO standards that match the data carriers you are using in your system. The selection/deselection of RFID standards is only possible for readers that support this function.

Fig. 4.13 – Web interface – Reader settings, “General” tab

- Go to the “Data carrier” tab and define the data carrier settings if required. For standard data carrier coding, simple settings are available with simple defaults suggested automatically. Only change these settings if you understand the meaning. Otherwise, please contact your local supplier or Gantner Technical Support.

Fig. 4.14 – Web interface – Reader settings, “Data carrier” tab

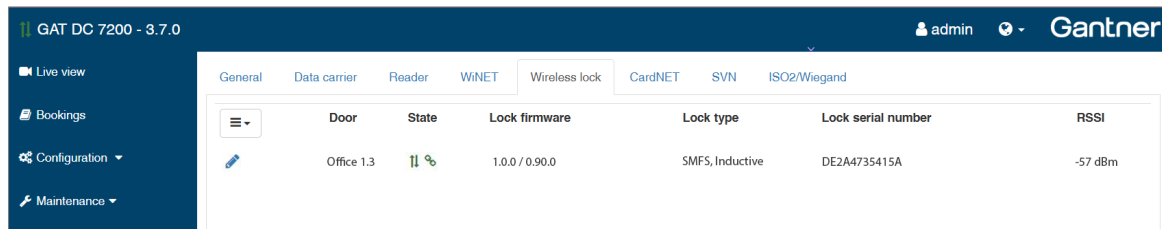
- Go to the "Reader" tab. Here, all readers that were identified and assigned via Plug&Play PLUS are displayed. A tick symbol under the "State" column should be shown next to the GDL7m reader.



Türe	Seriennummer	Artikelnummer	Anschluss	Firmware	Status
R&D Entry	1740000031	00625727 - GAT SR 7310	1	03.06	✓
Office 1.3 (GDL7m Ind.)	1740000018	005257	3	03.06	✓

Fig. 4.15 – Web interface – Reader settings, "Readers" tab

- Go to the "Wireless lock" tab. Information on the GDL7m locks that have been paired with readers is shown here.



Door	State	Lock firmware	Lock type	Lock serial number	RSSI
Office 1.3		1.0.0 / 0.90.0	SMFS, Inductive	DE2A4735415A	-57 dBm

Fig. 4.16 – Web interface – Reader settings, "Wireless lock" tab

- "Edit Icon": The edit icon  in the first column allows you to disable the pairing between the GDL7m and the reader. Click on the edit icon and then the red link icon  to disable the pairing.

NOTE! Only press the disable pairing button if absolutely necessary. To enable pairing again, follow the instructions in "4.4 Pairing the GDL7m with the Gantner reader".

- "Door": This field shows the name of the door where the GDL7m wireless lock is assigned.
- "State": The following states for the GDL7m are possible here:

-  ○ The first arrow icon is green, which indicates that communication between the GDL7m and the reader is active. The second link icon is green indicating that the GDL7m is paired with the reader.
-  ○ The first arrow icon is red, which indicates that communication between the GDL7m and the reader is inactive (possibly not within range). The green link icon indicates that the GDL7m is still paired with the reader.
-  ○ A red link icon indicates that pairing and communication between the lock and reader is inactive.

- "Lock firmware": The current firmware version of the GDL7m is shown here.
- "Lock serial number": The serial number of the GDL7m is shown here.
- "RSSI": The value in the "RSSI" column indicates the strength of the wireless connection between the lock and the reader. A value of less than -90 dBm (e.g., -100 dBm) indicates weak signal strength and possible communication problems. When the reader is installed within the recommended 2 m range of the GDL7m, the signal strength should be adequate.

4.7.2 Door configuration

Upon delivery of the GAT DC 7200, 4 doors (Door 1 to Door 4) are set by default. These are available under "Configuration" -> "Doors" and can be configured to your requirements.

- Open the "Configuration" menu and select the "Doors" menu item.

Fig. 4.17 – Web interface – Door settings

- Open the door tab where the reader is assigned. For example, if you connected the reader to the "Reader 1" port, the reader will be automatically assigned to "Door 1".
- "Name": Rename the door to the usage accordingly, e.g., Office 2.07.
- "Door mode": Set this option to "Access control with wired reader".
- "Output settings": Set the desired relay, e.g., "Unlocking relay 1", to the door where the GDL7m is assigned, e.g., "Door 1 (GDL7m) Wireless lock".
- Configure the remaining settings based on your requirements.



A complete description of all configuration settings available in the GAT DC 7200 web interface is available in the GAT DC 7200 manual.

5 OPERATION

5.1 General

The electronic mortise lock operates the lock latch only. Ensure that the locking cylinder of the door is unlocked or the door itself is not otherwise locked. Otherwise, the door cannot be opened even after an authorized data carrier has been read by the Gantner reader.

5.2 Closing the door

The door is automatically locked by a 20 mm latch upon closing. In this basic locked position, the door can always be opened from the panic side or, in the case of access authorization, from the panic opposite side via the fitting after an authorized data carrier is read.

5.3 Opening the door

The GDL7m controlled door can be opened from the panic opposite side after a valid data carrier is read by the GAT SR 73xx reader or after an unlocking command is sent from the control software, i.e., the GAT DC 7200 web interface or GAT ACE 7000.

In case of emergency, an opening can always be made using the mechanical key (see "5.4 Mechanical emergency opening").

5.4 Mechanical emergency opening

In case the batteries become completely empty, or for any other situation where the door is not unlocking during normal operation, the key can always be used to mechanically unlock the lock cylinder of the GDL7m.

Insert the key into the cylinder and rotate in the opening direction as far as possible while simultaneously pressing the handle.

By removing the key, the basic position is automatically restored (external handle at idle).

NOTE! Always ensure that the mechanical keys of the GDL7m are stored in a secure location.

5.5 Troubleshooting

5.5.1 Communication is interrupted

- Problem:** The communication between the reader and the GDL7m becomes interrupted.
- Solution:** Check the wireless communication level in the GAT DC 7200 web interface. A value less than -90 dBm (e.g., -100 dBm) indicates unreliable communication. Ensure that the reader is installed within 2 m of the GDL7m.

5.5.2 Door does not open

- Problem:** The door does not open after a data carrier is read by the reader.
- Solution:** If you press the door handle too soon while the data carrier is being read at the reader, the GDL7m will not unlock the door. Do not depress the door handle while the data carrier is being read.

5.5.3 No operation after battery change

- Problem:** The lock does not react after a battery change.
- Solution:** Always use new batteries when changing the batteries. Ensure that the batteries have been inserted correctly, i.e., that the +/- polarity is correct.

6 MAINTENANCE

6.1 Target group

This chapter contains information for the cleaning personnel and service technicians responsible for the cleaning and maintenance of the GDL7m.

6.2 Cleaning

- ▶ Use a commercially available household cleaner and a damp cloth only to clean the GDL7m.
- ▶ Do not use any abrasive or corrosive detergents.

6.3 Maintenance

To ensure that the GDL7m lock continues to operate as required, complete the following tasks as part of a regular maintenance routine.

- ▶ Inspect and operate the emergency exit locks to ensure that all components associated with the lock are secure and in satisfactory condition.
- ▶ Test and record the standard actuation forces required to release the emergency exit lock.
- ▶ Ensure that the locking counterparts are not blocked and that no other devices for locking the door, except for door closers, are installed.
- ▶ Check that there are no additional locking devices.
- ▶ Carry out regular lubrication of the lock according to the manufacturer's instructions.
- ▶ Complete a functional check of the door system. In particular, the ease with which the handles are to be tested. Clamping or hanging handles can lead to malfunction of the electromechanical lock.
- ▶ When the empty battery warning is displayed in the GAT DC 7200 web interface or GAT ACE 7000, the batteries in the lock must be changed. If the batteries are not replaced and become completely empty, the lock can still be opened mechanically using the key in the cylinder. It is recommended to change the batteries yearly.

6.4 Changing the batteries

⚠ CAUTION



Risk of injury due to improper use

- Do not charge, open, or heat the batteries.
- Always replace the used batteries with new batteries.
- Observe the correct polarity when inserting the batteries.

6.4.1 GDL7m Full Leaf

NOTE!

- Only replace the batteries with the door open. While the batteries are removed, the door handle cannot engage, and the door cannot be opened.
 - Previously paired access systems do not have to be paired again after the battery change.
- To release the battery compartment cover, press the notch in the direction of the arrow (Fig. 6.1) with a flat-blade screwdriver while simultaneously turning the key in the unlocking direction until it stops (Fig. 6.2).

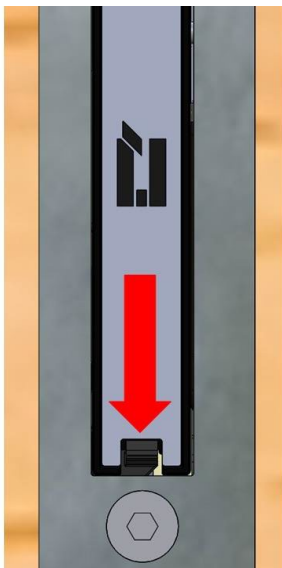


Fig. 6.1 – Battery change step 1

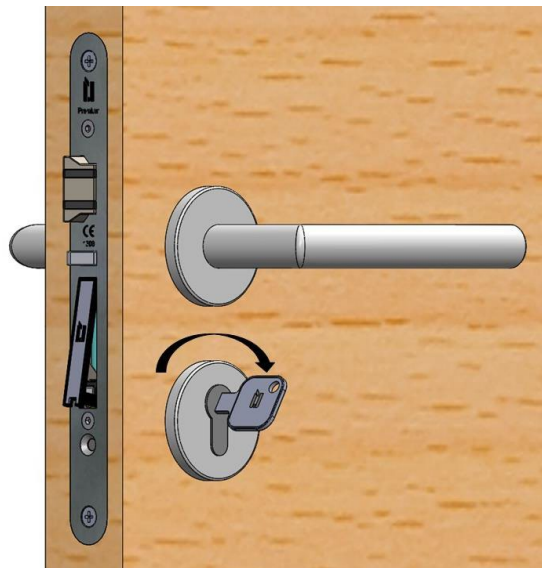


Fig. 6.2 – Battery change step 2

- ▶ Remove the battery compartment.
- ▶ Insert new batteries into the battery compartment while observing the correct +/- polarity.

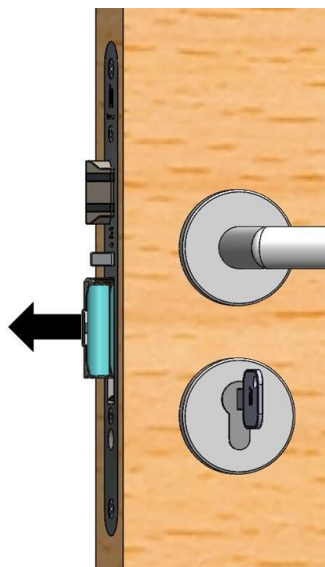


Fig. 6.3 – Battery change step 3

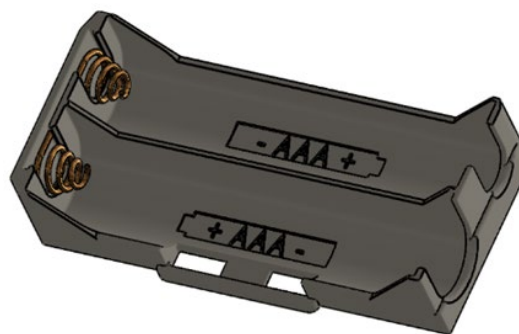


Fig. 6.4 – Battery change step 4

- ▶ Reinsert the battery compartment into the GDL7m.

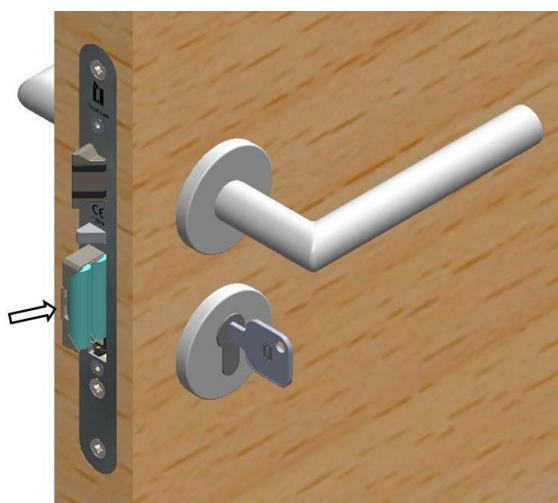


Fig. 6.5 – Battery change step 5

- ▶ Reattach the battery compartment cover onto the GDL7m as described in chapter "4.2.3 Attaching the battery compartment cover".

6.4.2 GDL7m Tubular Frame

NOTE!

- Only replace the batteries with the door open. While the batteries are removed, the door handle cannot engage, and the door cannot be opened.
 - Previously paired access systems do not have to be paired again after the battery change.
- Insert a flat-blade screwdriver into the locking screw and turn 90° counterclockwise while simultaneously turning the key in the unlocking direction until it stops.
- The battery compartment cover springs open.

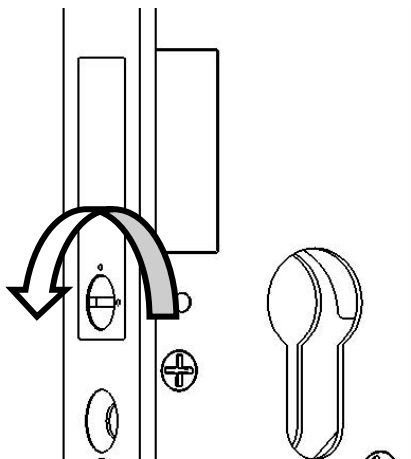


Fig. 6.6 – Battery change step 1

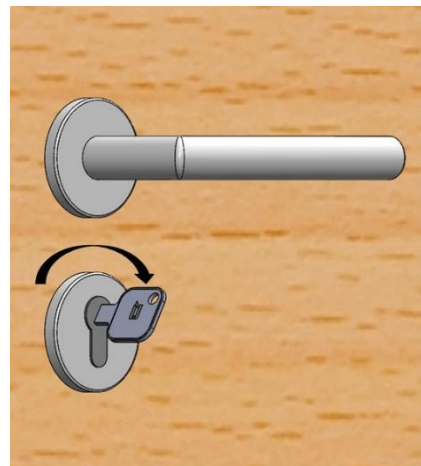


Fig. 6.7 – Battery change step 2

- Remove the old battery.
- Insert a new battery into the battery compartment ensuring to observe the correct +/- polarity.

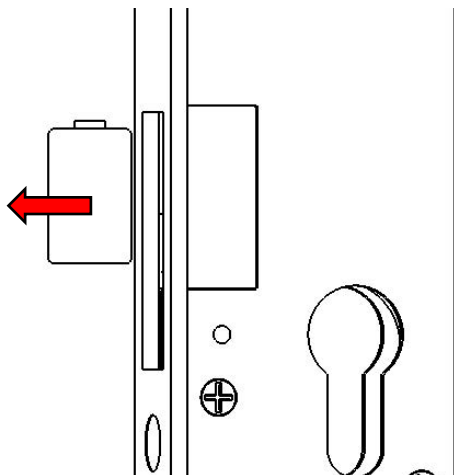


Fig. 6.8 – Battery change step 3

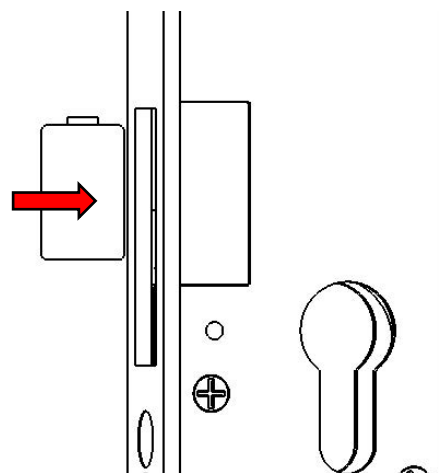


Fig. 6.9 – Battery change step 4

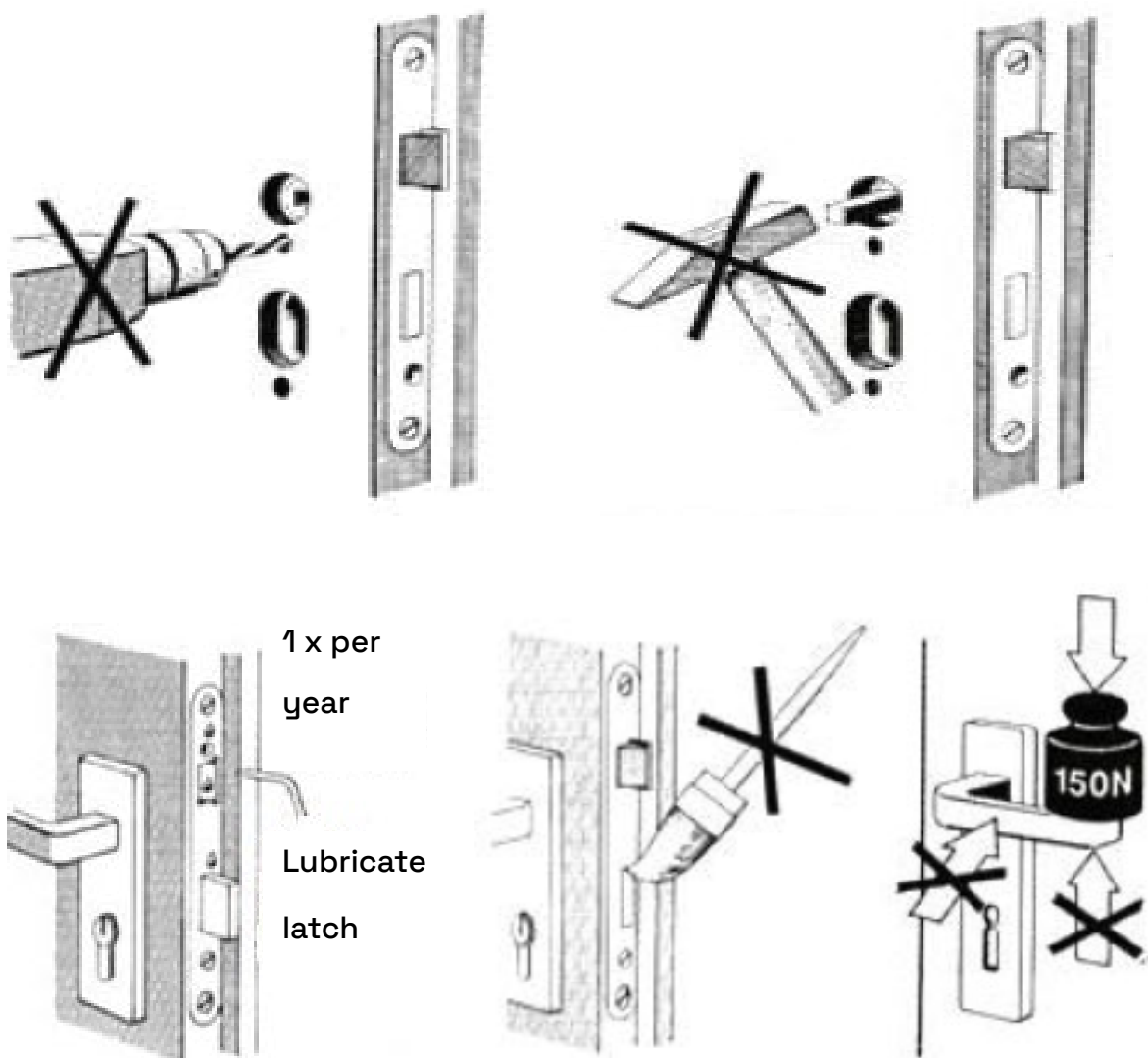
- Reattach the battery compartment cover onto the GDL7m as described in chapter “4.3.3 Attaching the battery compartment cover.”

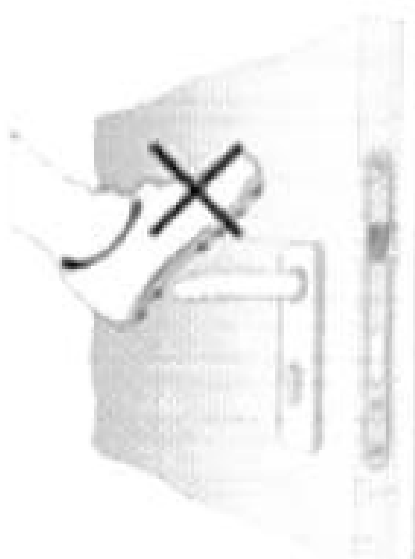
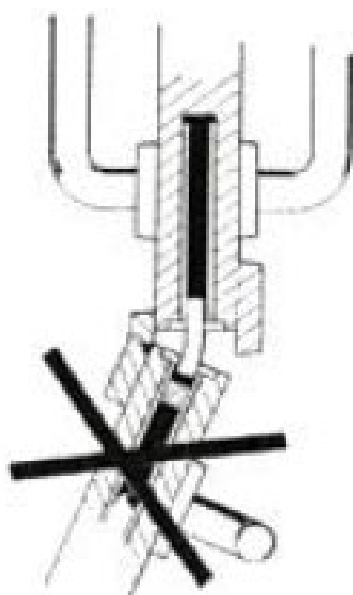
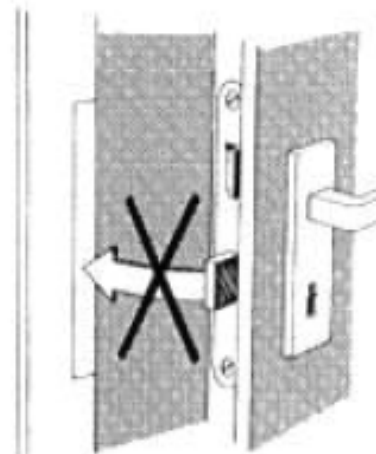
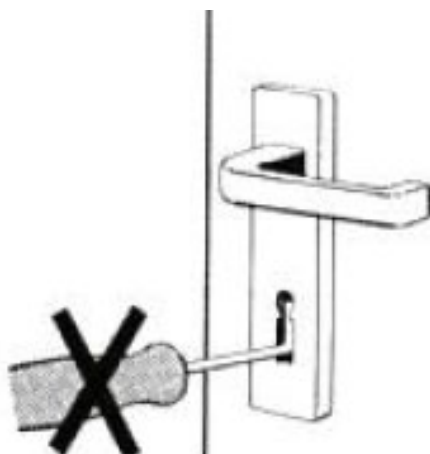
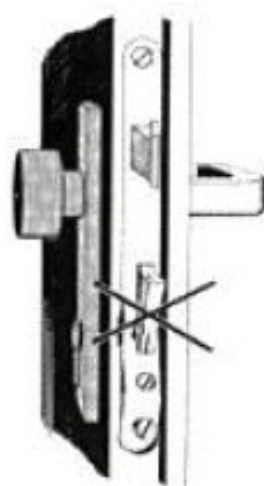
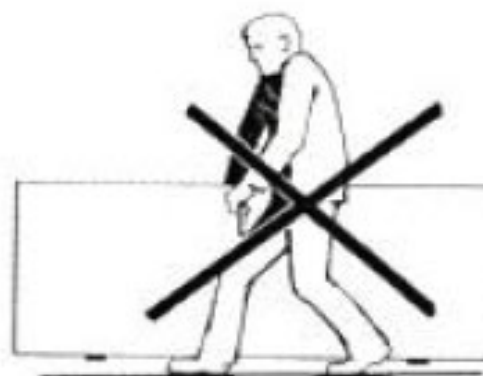
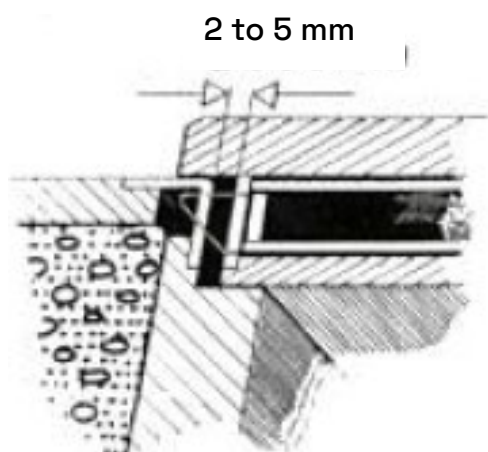
6.5 Disposal



- Do not dispose of the GDL7m and any of the associated components with the normal household waste, but rather at your local electronic waste recycling facility in accordance with European Directive 2002/96/EC.
- Recycle defective or used batteries according to European Directive 2006/66/EC.
- Observe local regulations for the separate disposal of batteries.
- Recycle packaging in an environmentally friendly manner.

6.6 Notes on the use of locks and fittings





7 TECHNICAL DATA

7.1 GDL7m Battery

General description:	Automatic locking panic lock - Latch bolt - Auxiliary latch
Locking mechanism:	- For profile cylinder - For round cylinder
Power supply:	- 3 to 3.6 V DC - 2 x Energizer L92 Lithium Batteries AAA, 1.5 V or 1 x Saft LS14250 CR1/2 AA 3.6 V 1200 mAh
Battery run time:	Up to 18 months
Power consumption:	210 mW
Temperature range:	- Operating temperature: -10 °C to +50 °C - Storage temperature: -20 °C to +60 °C - Operating temperature of the battery: -10 °C to +50 °C - Storage temperature of the battery: -20 °C to +60 °C - Rel. humidity: 30% to 80% (no condensation)
Dimensions:	- Backset: 35/40/45 mm - Distances: - Profile cylinder: 70/72/88/92 - Round cylinder: 74/78/90/94 - Latch bolt for silent opening and closing: 20 mm exclusion - Square pin: 9 mm
Corrosion protection:	EN 1670 – Class 4
Data transmission:	- Radio frequency of communication: 2.4 GHz - AES-128 encryption - Wireless range in wood doors: up to 2 m - Wireless range in metal doors: dependent upon door and construction. The antenna may have to be placed outside the door (e.g., in the fitting).
Certification:	CE Premium/Comfort DIN EN 14846 – Electromechanical locks and striking plates Premium DIN EN 179 DIN EN 1125

7.2 GDL7m Inductive

General description:	- Automatic locking panic lock - Latch bolt - Auxiliary latch
Locking mechanism:	- For profile cylinder - For round cylinder
Temperature range:	- Operating temperature: -10 °C to +50 °C - Storage temperature: -20 °C to +60 °C - Rel. humidity: 30 % to 80 % (no condensation)
Dimensions:	- Backset: 35/40/45 mm - Distances: - Profile cylinder: 70/72/88/92 - Round cylinder: 74/78/90/94 - Latch bolt for silent opening and closing: 20 mm exclusion - Square pin: 9 mm
Corrosion protection:	EN 1670 - Class 4
Data transmission:	- Radio frequency of communication: 2.4 GHz - AES-128 encryption - Wireless range in buildings up to 2 m
Certification:	CE

7.3 Transmitter Unit (only with GDL7m Inductive)

Power supply:	9 – 24 V DC inductive ATTENTION! No other blocking elements such as door openers, motorized locks or other inductive loads may be connected to the power supply. This can damage the GDL7m.
Power consumption standby:	< 1 W
Max. power consumption:	< 5 W
Max. current:	- 530 mA @ 9 V - 400 mA @ 12 V - 200 mA @ 24 V
Operating temperature:	-10 °C to +50 °C
IP protection class:	IP54
Clearance (allowed door gap):	2 to 6 mm
Adjustment:	2 to 6 mm vertically
Initial charging time:	15 sec.
Max. charging time:	15 sec.

8 APPENDICES

8.1 European standard instructions for emergency exit doors (EN 179:2008-04)

8.1.1 Installation and mounting instructions

The following minimum specifications and guidelines for installation shall accompany the emergency exit latch:

A.1 The manufacturer shall specify the appropriate means of attachment for the types of doors for which the emergency exit latch is designed.

A.2 Prior to installing an emergency door latch on a door, the door should be inspected to ensure that it is properly hinged and free of warpage.

For example, it is not recommended to install emergency door latches on hollow chamber doors unless they are specifically designed for that type of door by the manufacturer.

It is recommended to check that the door design allows the use of the latch, i.e., to check that staggered hinges and interlocking leaves allow simultaneous opening of both leaves (see **A.4**), or to check that the distance between the door leaves does not deviate from the value specified by the manufacturer of the emergency door latch, or that the controls do not interfere with each other, etc.

NOTE! Emergency exit latches manufactured in accordance with this European Standard provide a high degree of personal protection and adequate protection against burglary when attached to doors and frames that are in good condition.

A.3 Before installing an emergency exit latch on a fire/smoke door, the certification of the fire door on which the emergency exit latch has been tested should be checked to ensure that the emergency exit latch is suitable for that particular door.

A.4 When using door seals (e.g., profile seals, floor seals), ensure that they do not interfere with the intended function of the emergency exit latch.

A.5 On double-leaf doors with rebated center joints where both leaves are equipped with emergency exit latches, it is important to verify that each leaf opens when its emergency exit latch is operated and that both leaves open freely when both emergency exit latches are operated simultaneously.

This application may require the use of a follower damper to move the active leaf.

A.6 If emergency exit latches are manufactured in more than one size, it is important that the correct size be selected.

A.7 Class 2 (normal projection) emergency exit latches should be used where the width of the emergency exit is limited or where the doors on which the latches are to be installed cannot be opened to more than 90°.

A.8 Where emergency exit latches are designed to be installed on glazed doors, it is particularly important that the glass components be made of safety glass or laminated safety glass.

A.9 Different fasteners may be required to secure emergency exit latches to wood, metal, or all-glass doors. Through-bolts, reinforcements, and rivets may be used for more reliable fastening.

A.10 Unless they have been specially designed for this purpose by the manufacturer of the exit devices, emergency exit devices are not suitable for use on swing doors.

A.11 During installation, the instructions for mounting should be carefully followed. These instructions and all maintenance instructions should be passed on by the installer to the operator. See "8.1.2 Maintenance instructions".

A.12 The control should normally be installed at a height between 900 mm and 1100 mm above the finished floor surface when the door is closed. If it is known that the majority of the building's users are young children, consideration should be given to reducing the height of the control.

A.13 When installing emergency exit latches with lever actuation, particularly on doors with stepped surfaces, any potential safety hazards, such as pinching fingers or entanglement of clothing, should be avoided as much as possible.

A.14 Locking elements and locking counterparts should be mounted in such a way that safe engagement is possible. Care should be taken to ensure that the projection of the locking elements in the retracted position does not impede the free movement of the door.

A.15 If emergency exit latches are provided on double-leaf doors with a rebated center butt and door closer, a closing sequence controller in accordance with EN 1158 (see literature references) should be installed to ensure the correct closing sequence of the door. This recommendation is particularly important for smoke control/fire doors.

A.16 No devices other than the latches specified in this European Standard should be installed to hold the door in the closed position. This does not preclude the installation of door closers.

A.17 If a door closer is installed to move the door back to the closed position, care should be taken to ensure that this does not interfere with the operation of the door by children and the elderly and infirm.

A.18 Any provided locking counterparts or trim should be installed to ensure compliance with this European Standard.

A.19 A sign should be provided on the inside of the door, immediately above the handle or on the handle itself if it has a sufficiently large flat surface for the required labeling, that reads "Push handle to open" or "Push against push plate to open" or a pictogram.

For type "B" emergency exit latches intended for use on inward-opening escape doors, a sign should be provided on the inside of the door, immediately above the pull plate, or on the pull plate itself if it has a large enough flat surface for the required lettering, with the words "Pull on pull plate to open" or a pictogram.

The surface area of the pictogram should be at least 8000 mm² and the colors should be white on a green background. It should be designed so that after installation the arrow points to the control element. The pictogram as below can be used.



Fig. 8.1 – Pictogram

8.1.2 Maintenance instructions

To ensure serviceability in accordance with this document, the following routine maintenance checks should be performed at intervals not greater than one month (or the interval recommended by the manufacturer).

- a. Inspect and operate the emergency exit latch to ensure that all components of the latch are in satisfactory operating condition. A force gauge shall be used to measure and record the operating forces to release the emergency exit latch.
- b. Ensure that the latch mating parts are not blocked or obstructed.
- c. Verify that the emergency exit latch is lubricated in accordance with the manufacturer's instructions.
- d. Verify that no additional locking devices have been subsequently added to the door.
- e. Periodically verify that all components of the system continue to conform to the listing of approved components originally supplied with the system.
- f. Periodically verify that the operating element is properly tightened and, using a force gauge, measure the operating forces to release the emergency door latch. Verify that there has been no significant change in the actuating forces when compared to the actuating forces recorded during initial installation.
- g. Conditions and duration of certificate validity, if applicable.
- h. Name and function of the person authorized to sign the certificate.

8.2 European standard instructions for panic doors (EN 1125:2008-04)

8.2.1 Installation and mounting instructions

The following minimum specifications and guidelines for installation shall be included with the panic exit device:

A.1 The manufacturer shall specify the appropriate means of attachment for the types of doors for which the emergency exit latch is designed.

A.2 Prior to installing an emergency exit latch on a door, the door should be inspected to ensure that it is properly hinged and free of warpage.

For example, it is not recommended to install emergency door latches on hollow chamber doors unless they are specifically designed for that type of door by the manufacturer.

It is recommended to check that the door design allows the use of the latch, i.e., to check that staggered hinges and interlocking leaves allow simultaneous opening of both leaves (see **A.4**), or to check that the distance between the door leaves does not deviate from the value specified by the manufacturer of the emergency door latch, or that the controls do not interfere with each other, etc.

NOTE! Panic exit devices manufactured in accordance with this European Standard provide a high degree of personal protection and adequate protection against burglary when installed on doors and frames that are in good condition.

A.3 Before installing a panic exit device on a fire/smoke door, the certification of the fire door on which the panic exit device has been tested should be checked to ensure that the panic exit device is suitable for that particular door (see "8.2.2 Maintenance instructions").

A.4 When using door seals (e.g., profile seals, floor seals), ensure that they do not interfere with the intended function of the panic exit device.

A.5 On double-leaf doors with rebated center but where both leaves are equipped with panic exit devices, it is important to verify that each leaf opens when its panic exit device is actuated and that both leaves open freely when both panic exit devices are actuated simultaneously.

This application may require the use of a follower damper to move the active leaf.

A.6 If panic exit devices are manufactured in more than one size, it is important that the correct size be selected.

A.7 Class 2 (normal projection) panic exit devices should be used where the width of the emergency exit is limited or where the doors on which the devices are to be installed cannot be opened to more than 90°.

A.8 Where panic exit devices are designed to be installed on glazed doors, it is particularly important that the glass components be made of safety glass or laminated safety glass.

A.9 Different fasteners may be required to secure panic exit devices to wood, metal, or all-glass doors. Through-bolt fasteners may be used for a more reliable attachment.

A.10 Unless specifically designed by the manufacturer, panic exit devices are not suitable for use on swing doors.

A.11 During installation, the instructions for mounting should be carefully followed. These instructions and all maintenance instructions should be passed on by the installer to the operator. See "8.2.2 Maintenance instructions".

A.12 The horizontal push bar should normally be installed at a height between 900 mm and 1100 mm above the finished floor surface with the door closed. If it is known that most users of the building are young children, consideration should be given to reducing the height of the bar.

A.13 The horizontal operating rod should be installed to provide the maximum effective rod length.

A.14 The locking elements and locking counterparts should be installed so that safe engagement is possible. Care should be taken to ensure that the projection of the locking elements in the retracted position does not impede the free movement of the door.

A.15 If panic exit devices are provided on double-leaf doors with rebated center butt and door closer are provided, a closing sequence controller in accordance with EN 1158 (see literature references) should be installed to ensure the correct closing sequence of the door. This recommendation is particularly important for smoke control/fire doors.

A.16 No devices other than the latches specified in this European Standard should be installed to hold the door in the closed position. This does not preclude the installation of door closers.

A.17 If a door closer is installed to move the door back to the closed position, care should be taken to ensure that this does not interfere with the operation of the door by children and the elderly and infirm.

A.18 Any provided locking counterparts or trim should be installed to ensure compliance with this European Standard.

A.19 On the inside of the door, immediately above the horizontal push bar, or on the push bar itself if it has a sufficiently large flat surface for the required lettering, a sign should be provided that reads "Push against bar to open" or a pictogram.

The surface of the pictogram should be at least 8000 mm² and the colors should be white on a green background. After installation, the arrow should point to the actuating element. The pictogram as below can be used:



Fig. 8.2 - Pictogram

8.2.2 Maintenance instructions

As a minimum, the following information must accompany the product:

To ensure serviceability in accordance with this document, the following routine maintenance checks should be performed at intervals not greater than one month (or the interval recommended by the manufacturer).

- a. Inspect and operate the panic exit device to ensure that all components of the device are in satisfactory operating condition. A force gauge shall be used to measure and record the operating forces to release the escape door latch.
- b. Ensure that the latch counterparts are not blocked or obstructed.
- c. Verify that the panic exit latch is lubricated in accordance with the manufacturer's instructions.
- d. Verify that no additional locking devices have been subsequently added to the door.
- e. Periodically verify that all components of the equipment continue to conform to the listing of approved components originally supplied with the equipment.
- f. Periodically verify that the operating element is properly tightened and, using a force gauge, measure the operating forces to release the escape door latch. Verify that there has been no significant change in the actuating forces when compared to the actuating forces recorded during initial installation.
- g. Certificate number.
- h. Conditions and duration of validity of certificate, if applicable.
- i. Name and function of the person authorized to sign the certificate.

8.3 European standard instructions for electromechanical locks (EN 14846:2008-11)

8.3.1 Installation and mounting instructions

The following minimum specifications and guidelines for installation shall accompany the electrically operated lock or strike plate:

C.1 The manufacturer shall specify the appropriate mounting options for the types of doors for which the electrically operated lock or strike plate is designed.

C.2 Before attaching an electrically operated lock or strike plate to a door, the door should be inspected to ensure that it is properly hung and free of warpage.

For example, it is not recommended to install electrically operated locks or strike plates on hollow chamber doors unless they are specifically designed by the manufacturer for that type of door.

It is recommended to check that the door design allows the use of the device, i.e., to check that staggered hinges and interlocking leaves allow simultaneous opening of both leaves, or to check that the distance between the door leaves does not deviate from the value specified by the manufacturer of the electrically operated lock or strike plate, or that the operating elements do not interfere with each other, etc.

NOTE: Electrically operated locks or strike plates manufactured in accordance with this European Standard provide a high degree of personal protection and adequate protection against burglary when installed on doors and frames that are in good condition.

C.3 Before installing an electrically operated lock or strike plate on a fire/smoke door, the fire certification should be checked to ensure that the electrically operated lock or strike plate is suitable for that particular door.

C.4 If door seals (e.g., profile seals, floor seals) are used, ensure that they do not interfere with the intended function of the electrically operated lock or strike plate.

C.5 If electrically operated locks or strike plates are manufactured in more than one size, it is important that the correct size is selected.

C.6 Different fasteners may be required to secure electrically operated locks or strike plates to wood, metal, or all-glass doors. Through-bolt fasteners may be used for more reliable fastening.

C.7 Unless specifically designed by the manufacturer, electrically operated locks or strike plates are not suitable for use on swing doors.

C.8 During installation, the instructions for mounting must be carefully followed. These instructions and all maintenance instructions must be passed on by the installer to the operator.

C.9 The locking elements and locking counterparts must be mounted in such a way that safe intervention is possible. Care shall be taken to ensure that the projection of the locking elements in the retracted position does not impede the free movement of the door.

C.10 If electromechanical locks or strike plates are provided on double-leaf doors with rebated center butt and door closer, a closing sequence controller in accordance with EN 1158 (see literature references) must be installed to ensure the correct closing sequence of the door. This is particularly important for fire/smoke doors.

C.11 Any specified components must be installed to ensure compliance with this European Standard.

8.4 CE Declaration of Conformity

KONFORMITÄTSERKLÄRUNG
DECLARATION OF CONFORMITY
DECLARATION DE CONFORMITÉ



Certificate Ref No: 02.0139-01

The undersigned, representing:

Manufacturer	Contact
Gantner Electronic GmbH Montafonerstrasse 8 A-6780 Schruns / Austria	Fon: +43 5556 73784 – 0 Fax: +43 5556 73784 – 8000 E-Mail: certification@gantner.com Web: www.gantner.com

herewith declares, that the product(s):

Device
GDL7m.xxxx xxxx... Followed by suffix numbers and letters to denote minor variations in design and form.

Is/are in conformity with the following EC directive(s), including all applicable amendments:

Directives	Short Title
2014 / 53 / EU	Radio equipment (RED)
2011 / 65 / EU	Restriction of the use of certain hazardous substances in electrical and electronic equipment

The product(s) comply with the requirements of the following standards:

Short Title	
EN 55035:2017	Electromagnetic compatibility of multimedia equipment - Immunity requirements
EN 300 328 V2.1.1	Wideband transmission systems Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
EN 50581:2012	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

The product(s), listed above, are marked as following:



Schruns, 20th March 2019

Place and date of issue



Signature - Mr. E. Hartmann,
Managing Director

TIV10.00

Südmetail

Installations- und Bedienungsanleitung
ÜLOCK Inductive, ÜLOCK Battery Premium/Comfort

11 Konformitäts- und Leistungserklärung für ÜLOCK Premium

CE	CE	CE
1309	1309	1309
EN 179:2008-04 Notausgangverschluss Typ 376B1452AB/D	EN 1125:2008-04 Notausgangverschluss Typ 376B1422AB	EN 14846:2008-11 Elektromechanische Schlösser Typ 3R5C/D0J303
Süd-Metall Schließsysteme Leipzig GmbH Apelsteinallee 1 04416 Markkleeberg	Süd-Metall Schließsysteme Leipzig GmbH Apelsteinallee 1 04416 Markkleeberg	Süd-Metall Schließsysteme Leipzig GmbH Apelsteinallee 1 04416 Markkleeberg
16	16	16
1309 – CPR – 0333	1309 – CPR – 0334	1309 – CPR – 0335
Fähigkeit zur Freigabe: bestanden (≤ 70 N, unbelastet)	Fähigkeit zur Freigabe: bestanden (≤ 80 N unbelastet / ≤ 220N belastet)	
Dauerfunktionstüchtigkeit hinsichtlich der Fähigkeit zur Freigabe: bestanden (200.000 Zyklen / ≤ 50 N)	Dauerfunktionstüchtigkeit hinsichtlich der Fähigkeit zur Freigabe: bestanden (200.000 Zyklen / ≤ 50 N)	Dauerfunktionstüchtigkeit hinsichtlich der Fähigkeit zur Freigabe: bestanden (100.000 Zyklen / ≤ 50 N)
Feuerwiderstandsfähigkeit; C – Selbsttätiges Schließen; E – Raumabschluss; I – Wärmedämmung: bestanden (Klasse B)	Feuerwiderstandsfähigkeit; C – Selbsttätiges Schließen; E – Raumabschluss; I – Wärmedämmung: bestanden (Klasse B)	Feuerwiderstandsfähigkeit; Tür Holz / Zarge Holz: 30 min. (C) Tür Holz / Zarge Stahl: 60 min. (D)

Feuerschutz-Prüfbericht: DMT-DO-50-290-003

Die Sicherheitsmerkmale des vorliegenden Produktes sind eine wesentliche Voraussetzung für dessen Übereinstimmung mit den Normen DIN EN 179 / DIN EN 1125 und DIN EN 14846. Es dürfen keinerlei Änderungen vorgenommen werden, die nicht in dieser Anleitung beschrieben sind.

CE	Das Produkt erfüllt die Anforderungen der Richtlinien / The product complies with the requirements of Directive 2014/53/EU und/and BauPVO/CPR (EU)305/2011: Die Leistungs- und Konformitätserklärungen finden Sie auf unserer Homepage / You can find the Declarations of Conformity on our homepage: http://www.suedmetall-schliesssysteme.com/service/downloads/ Oder Sie nutzen den QR Code / Or use the QR code.	
----	--	---

8.5 Manufacturer's Declaration

Herstellererklärung / Manufacturer's Declaration

Hiermit bestätigen wir,
We hereby confirm

**Süd-Metall Schließsysteme Leipzig GmbH
Apelsteinallee 1
04416 Markkleeberg/Wachau**

dass die funkgesteuerten Einstemmschlösser der Firma Gantner Electronic GmbH
that the Radio safety locks of the company Gantner Electronic GmbH

GDL7m.xxxx yy.yy

mit den Funksicherheitsschlössern der Fa. Süd-Metall Schließsysteme Leipzig GmbH
with the Radio safety locks of the company Süd-Metall Schließsysteme Leipzig GmbH

**ÜLOCK Comfort... BT / ÜLOCK Premium... BT
ÜLOCK RR Comfort...BT / ÜLOCK RR Premium ...BT
ÜLOCK Glastür ...BT**

mechanisch und elektrisch baugleich sind.
are identical in mechanical and electrical construction.

Die Schlösser unterscheiden sich lediglich in der Artikelnummer und Artikelbezeichnung /
The locks differ only in the article number and article description.

Markkleeberg / 26.10.2018



Tom Deistler
Leiter Entwicklung /
Head of Development

Südmetall
Süd-Metall Schließsysteme Leipzig GmbH
Apelsteinallee 1 D-04416 Markkleeberg/Wachau
Tel.: 0049 34297/16450 Fax: 0049/34297/164529
e-mail: info@suedmetall-schliesssysteme.com
www.suedmetall-schliesssysteme.com



**GLOBALES
PARTNERNETZWERK**



**40+
NIEDERLASSUNGEN**



**40.000+
PROJEKTE WELTWEIT**



**40+ MILLIONEN
NUTZER TÄGLICH**

gantner

INSPIRED ACCESS

www.gantner.com

©2026 Gantner®

Gantner reserves the right to change technical specifications, designs and services without prior notice.

Photos: Gantner, Salto Systems, Shutterstock

SALTO ECOSYSTEM

SCAN FOR CONTACT

