ENiQ® | ELS® | DOM tapkey

-Guardian & Guardian S

CONTENTS

SCOPE OF SUPPLY

Depending on the order:

GUARDIAN

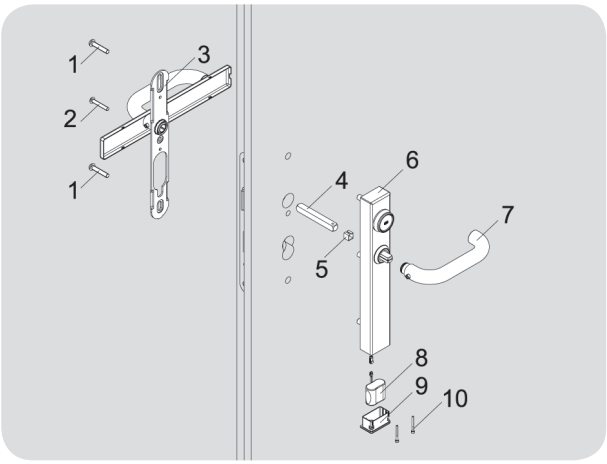


Fig. 1: Guardian

1) 2x screws M6
2) 1x screw M5
3) Cover and base plate on the inside with long inner handle and threaded pin
4) Square
5) Sleeve if required
6) Base plate with threaded sleeves, slide, coupling module, U-profile with electronics fitted and outer cover
7) Short inner handle with threaded pin
8) Battery
9) Battery compartment
10) 2x screws for battery compartment

GUARDIAN S

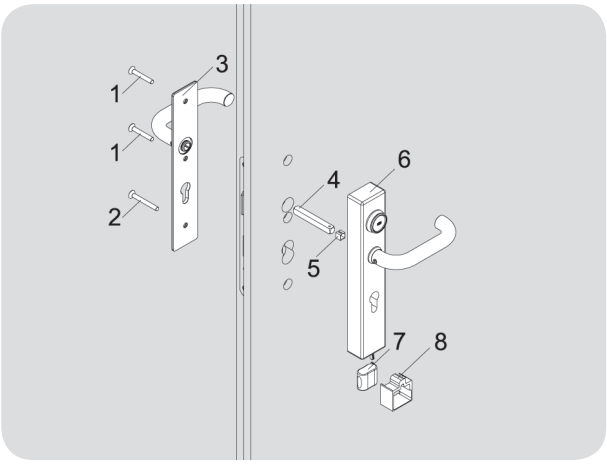


Fig. 2: Guardian-S

1) 2x screws M6 short
2) 1x screw M6 long (battery compartment)
3) Inner fitting with handle
4) Square
5) Sleeve if required
6) Outer fitting with handle
7) Battery
8) Battery compartment

Please note! All parts of the set can also be purchased individually.

GUARDIAN OUTER FITTING

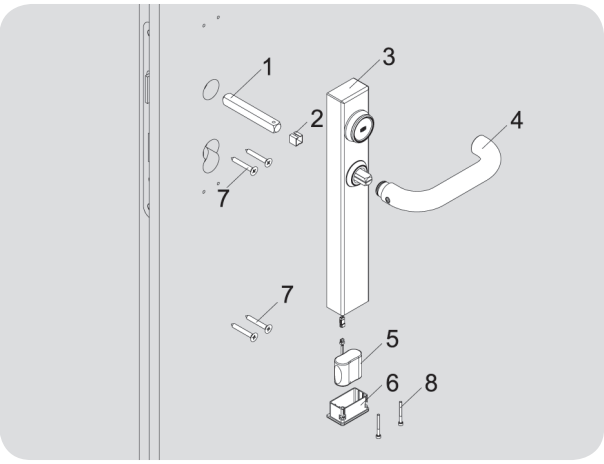


Fig. 3: Outer fitting

1) Square
2) Sleeve
3) Base plate with threaded sleeves, slide, coupling module, U-profile with electronics fitted and outer cover
4) Short inner handle with threaded pin
5) Battery
6) Battery compartment
7) 4x wood or countersunk screws M5
8) 2x screws for battery compartment

GUARDIAN INNER FITTING

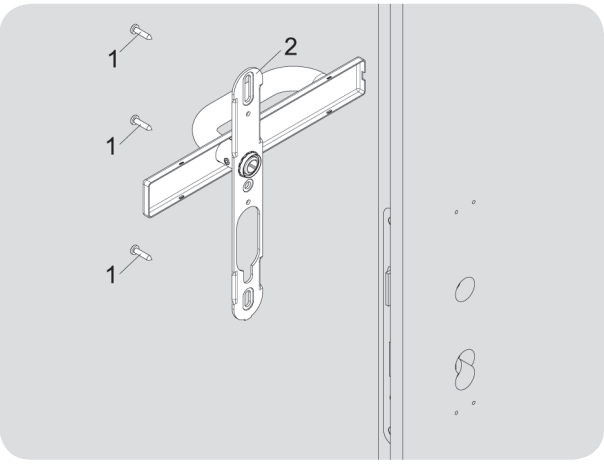


Fig. 4: Inner fitting

1) 3x wood or countersunk screws M5
2) Cover and base plate on the inside with long inner handle and threaded pin

OPTIONALLY AVAILABLE:

GUARDIAN STARTER SET COMPRISING:

- Master card
- Programming card

SET OF INSTALLATION TOOLS COMPRISING:

- Guardian drilling template
- Handle removal tool

RENOVATION PLATE

PRODUCT DESCRIPTION

All DOM access control components and thus also the Guardian leave the factory in a neutral state. They are only “initialised” i.e. assigned to a master card shortly before installation. From this moment onwards, programming can only be performed on the terminal device from this master card or from a programming card authorised with this master card. Alternatively changes can be made via ENiQ Access Management for ENiQ systems and the ELS software or ELSmobile software for ELS systems. Therefore, the owner of the master card exclusively decides on assignments and the allocation of authorisations. As an alternative, authorisations can be stored on the transponders.

With the Guardian, DOM Sicherheitstechnik has accommodated all the electronic features in a single fitting. The reading unit, functional parts, mechatronics and the battery compartment are all located in the outer fitting. This means the Guardian can be installed on one side on the outside.
Alternatively, the Guardian can be installed with inner plate.

FOR YOUR OWN SAFETY

Always observe the notes and safety instructions.
Some sections of these installation instructions are highlighted by pictograms. Memorise these pictograms and their meanings:

Caution! This sign marks a danger note or indicates an action that may cause damage to the Guardian or other objects.

Please note! This sign gives you useful information about installation or operation.

IMPORTANT INFORMATION

Caution! Locking media do not belong in the hands of small children. Small parts may be swallowed.

Caution! Material damage due to improper storage. If you store the Guardian for an extended period prior to installation, store all the components in their original packaging in a dry, dust-free location at room temperature (see also chapter Storage/Care).

Caution! Damage due to improper installation and operation. Read these instructions completely and carefully prior to installation and commissioning. Follow the instructions step by step. The manufacturer assumes no liability for damage resulting from improper installation or operation.

Caution! Damage due to improper use.
Never throw or drop the Guardian. Never use force during installation.

Caution! The Guardian must not be used in potentially explosive atmospheres.

Please note! Incorrect installation of the Guardian prevents the required locking function.

Caution! In the event of electrostatic discharge (sparks or breakdown), electronic components may be destroyed. For this reason, avoid electrostatic charges prior to the installation/removal of the electronic components or touch a conductive, grounded object (e.g. water pipe, heating) beforehand to remove electrostatic charge from your body. Never touch the electronics components with your fingers.

Caution! The Guardian must not be oiled or greased.

Caution! Always store the Guardian a suitable distance away from the master card in order to avoid unintentional initialisation.

REQUIRED TOOLS

For proper installation, the following tools are required:
(not included in the scope of supply)

Ruler or suitable measuring instrument
Hexagon socket key (Allen key): 2 mm, 3 mm.
Slot-head screwdriver
Pointed pliers
Guardian drilling template (recommended, optionally available)

Depending on the installation method:

Guardian:
Torx screwdriver (Torx T25)
Drills: 8 mm, 10 mm.

Guardian-S:
Cross-slot screwdriver (PH2)
Drills: 8 mm, 10 mm, 16 mm

Guardian outside on wooden door:
Cross-slot screwdriver (PH2)
Torx screwdrivers (Torx T10, T20)
Drill: 3 mm

Guardian outside with threaded inserts:
Cross-slot screwdriver (PH2)
Torx screwdrivers (Torx T10, T25)
Drills: (depending on the threaded inserts, usually 7 mm for M5 rivet-down nuts) Countersink Ø10 or larger

Guardian inside on wooden door:
Torx screwdriver (Torx T20)
Drill: 3 mm

Guardian inside with threaded inserts:
Drills: (depending on the threaded inserts, usually 7 mm for M5 rivet-down nuts) Countersink Ø10 or larger

DOOR PREPARATION

The door preparation procedure varies depending on whether you use the Guardian drilling template or wish to equip a door with or without cylinder hole. The door must be prepared in compliance with the fitting centre distances.

Caution! We recommend use of the Guardian drilling template which you can purchase through DOM Sicherheitstechnik. (see 17)

Caution! The Guardian can be screwed on doors with a thickness from 34 mm to 114 mm and a distance between handle and cylinder from 55 mm to 94 mm (see Technical data).

Caution! The Guardian S can be screwed on doors with a thickness from 39 mm to 83 mm and a distance between handle and cylinder from 70 mm to 94 mm (see Technical data).

The screwing distances are defined to the centre point of the square/lock follower (handle rotation axis / handle support).
To achieve greater precision, drill from both sides.
Remove the lock if necessary.

DRILLED HOLES FOR GUARDIAN AND GUARDIAN S FOR INSTALLATION OF OUTER FITTING AND INNER FITTING ON BOTH SIDES

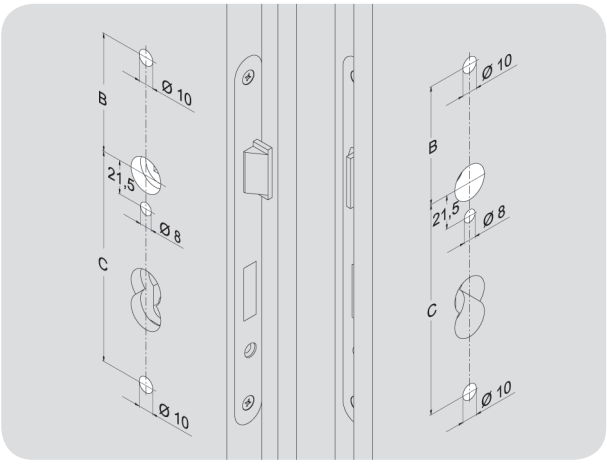


Fig. 5: Drilled holes installation on both sides

Hole spacing:
Screw attachment Germany model:
B = 75.5 mm
C = 134.5 mm
Screw attachment France model:
B = 65 mm
C = 130 mm

Diameters:
Top = Ø10 mm
Centre = Ø8 mm
Bottom = Ø10 mm

Guardian S
Enlarge outer holes
Ø16mm and 10 mm deep

The hole spacing depends on the version: Germany or France model.
Both the Guardian and the Guardian S are fixed at three points. Above the handle nut (dimension “B”); in the centre below the handle nut (21.5 mm) and below the cylinder hole (dimension “C”).

1. Use a ruler or other measuring instrument to mark the drilling points from both sides of the door. Make sure that the points form a straight vertical line.
2. Remove the lock.
3. **For Guardian S only:** Drill all 3 points from the outside using the 16 mm drill to a depth of approx. 10 mm. Then continue with point 4.
4. Drill into the central point from both sides using the 8 mm drill until you reach the hole for the lockcase.
5. Then drill into the upper and lower point from the outside using the 10 mm drill until about the centre of the door.
6. Now drill into the upper and lower point from the inside using the 10 mm drill until you reach the opposite drilled hole.
7. Remove the wood waste chips

DRILLED HOLES FOR GUARDIAN OUTER FITTING OR INNER FITTING, ONE-SIDED INSTALLATION

Inner Outer

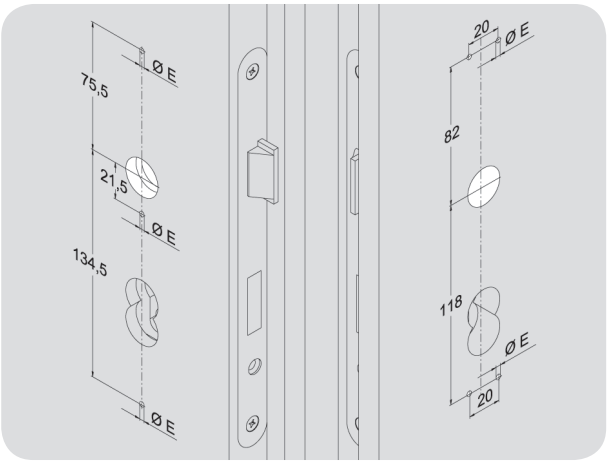


Fig. 6: Drilled holes installation on one side

Hole spacing outer fitting:
82 mm from the handle hole upwards (two holes at the top)
118 mm from the handle hole downwards (two holes at the bottom) 20 mm space vertically between the two holes

Hole spacing inner fitting:
75.5 mm top
21.5 mm centre
134.5 mm bottom

Diameters:
Wood screws:
E = Ø3 mm
Rivet-down nuts:
E = Ø7 mm (for standard M5 rivet-down nuts)

The Guardian outer fitting or inner fitting is installed directly on the door either using the wood screws (included in the scope of supply), or M5 screws (included in the scope of supply) and rivet-down nuts with countersunk head (NOT included in the scope of supply) for metal doors.

The Guardian outer fitting is installed using four screws: two at the top and two at the bottom. The upper (82 mm to the handle hole) and lower screws (118 mm to the handle hole) are 20 mm away from each other, arranged symmetrically around the centre of the fitting.

Wooden door:

1. Use a ruler or other measuring instrument to mark the drilling points from the outside of the door.
2. Drill all the points using the 3 mm drill to a depth of around 20 mm.
3. Remove the wood waste chips

Metal door:

1. Use a ruler or other measuring instrument to mark the drilling points from the outside of the door.
2. Drill all the points using a 7 mm drill (or a drill with a diameter suitable for the threaded inserts).
3. Remove the metal swarf
4. Fit the threaded inserts firmly in place.

The Guardian inner fitting is fixed in place at three points. Above the handle nut (75.5 mm); in the centre directly under the handle nut (21.5 mm) and under the cylinder hole (134.5 mm).

1. Use a ruler or other measuring instrument to mark the drilling points from the inside of the door. Make sure that the points form a straight vertical line.
2. Drill all the points using the 3 mm drill to a depth of around 17 mm.
3. Remove the wood waste chips

Metal door:

1. Use a ruler or other measuring instrument to mark the drilling points from the inside of the door.
2. Drill all the points using a 7 mm drill (or a drill with a diameter suitable for the threaded inserts).
3. Remove the metal swarf
4. Fit the threaded inserts (not included in the scope of supply) firmly in place.

INSTALLATION

Proceed according to the sequence described and observe the notes and figures.

Caution! If you have ordered a special version of the Guardian or Guardian S, read through the suitable sections in the Special versions chapter first (see 17) before you continue.

Caution! Before the Guardian is installed, you must check to ensure the lock is working properly. The lock must be firmly in place in its final installation position.

Caution! Before installation, make sure that the Guardian handle lock is inserted in accordance with your installation situation. We recommend inserting the handle lock in the neutral position. (see 20)

Caution! Material damage can be caused by the excessive tightening of screw fittings.

Caution! If the threaded pin / set screw on the outer handle is tightened before being screwed to the inner plate, increased axial pressure may be applied to the coupling mechanism. This leads to stiffness within the system. For this reason it is important that the threaded pin / set screw on the outer handle is not tightened until the end. This applies to all installation variants.

Please note! The handles are clicked into place with the aid of the easyfix attachment and are thus mounted permanently rotatable. A description of the removal process can be found in the Removal chapter. (see 37)

Please note! The inside handle and outside handle have different lengths.

Please note! The following illustrations showing installation show installation without renovation plate. These are simply put underneath if necessary. (see 20)

Please note! If you use the square in the coupling module, you will usually have to insert an adapter sleeve, depending on the installation situation (lock variant):

- 9.0 mm lockcase nut (fire and panic doors): no adapter sleeve necessary – the coupling module nut and the square are both 9.0 mm.
- 8.0 mm lockcase nut (interior doors): adapter sleeve from 8 mm square to 9 mm coupling module nut
- 8.5 mm lockcase nut: adapter sleeve from 8.5 mm square to 9 mm coupling module nut
- 10 mm lockcase nut (exterior doors): adapter sleeve 9 mm square to 10 mm in lock follower (secure against slipping)

INSTALLATION OF GUARDIAN

Follow the steps below:

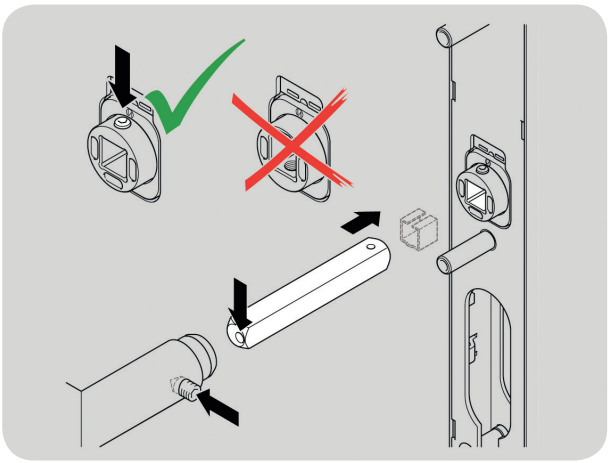


Fig. 7: Inserting the square

Please note! Always pay attention to the position of the set screw for fastening the square. It must be located on the top side (12 o'clock position) of the coupling module.

1. Insert the square, with adapter sleeve if appropriate, into the coupling module: make sure you align the eccentric drilled hole on the square to the threaded pin / set screw of the inner handle.
2. Secure the square using the threaded pin / set screw.

Please note! Always install the Guardian with the door open so that you do not lock yourself out.

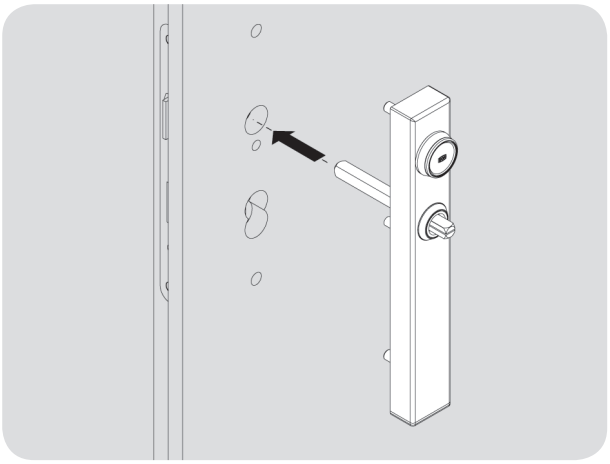


Fig. 8: Positioning the unit

3. Set the assembled unit on the prepared door leaf.

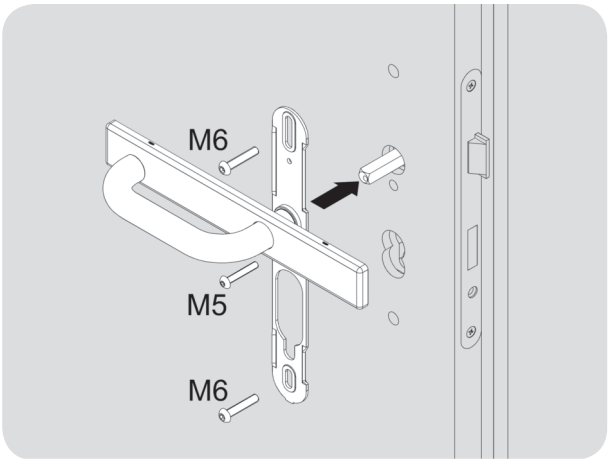


Fig. 9: Inner base plate

Caution! Avoid deforming the door leaf during connection of the inner base plate with the positioned outer fitting.

4. Align the base plate on the inside in such a way that the edges for locking the cover in place face away from the door leaf.
5. Connect the inner base plate to the assembled outer fitting using the three door through screws, taking the door leaf structure into account: watch the screw length.

Please note! Before you click the outer door handle into the easyfix attachment, check smooth movement and coupling function. For this, you require an authorised transponder which you have to create in accordance with the description in the Operation chapter.

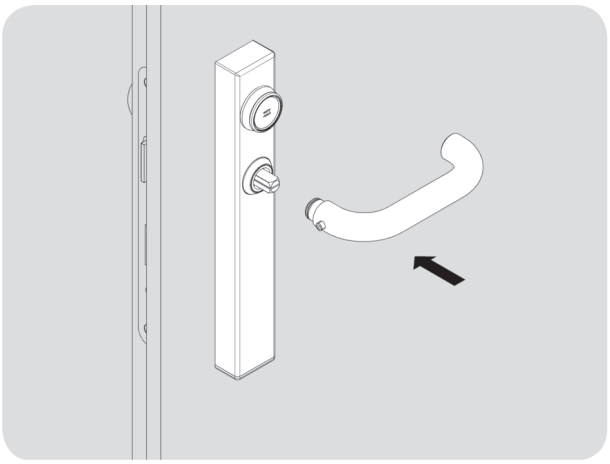


Fig. 10: Outer handle

6. Set the (short) outer handle onto the square, without clicking the handle into the easyfix attachment.
7. Present the authorised transponder.
8. Check smooth movement and coupling function.
9. If everything is working properly, click the handle into place, but do not secure it with the threaded pin yet.

Caution! If the unit does not work perfectly, you will have to remove it. During removal make sure you do not damage the reading module. (see 35)

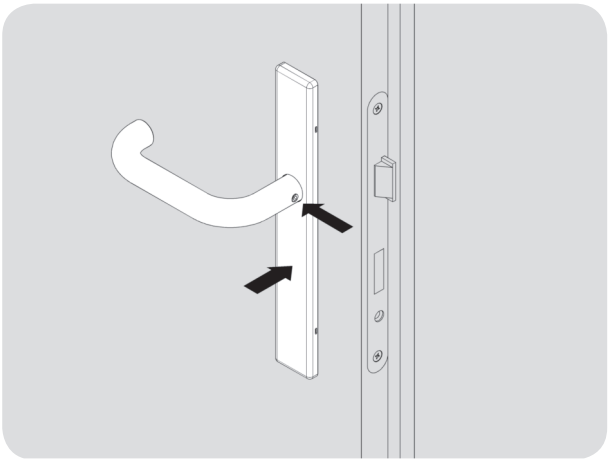


Fig. 11: Fixing the handle

10. Push the inner cover over the square but do not press it into place yet.
11. Set the (long) inner handle onto the square and click it into the easyfix attachment.
12. Check smooth movement.
13. Following a successful function test, tighten the inner base plate firmly.
14. Then press the inner handle firmly into place and secure it on the outside with the threaded pin.

Please note! Keep the original packaging so that you can store the Guardian safely at any time.

INSTALLATION OF GUARDIAN S

Follow the steps below:

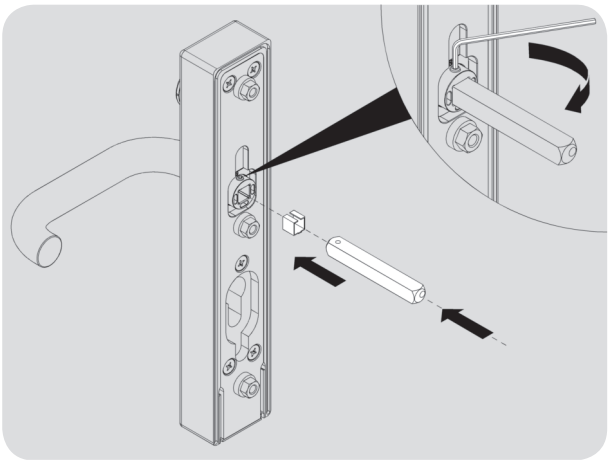


Fig. 12: Inserting the square

Please note! It is urgent that you pay attention to the position of the threaded pin / set screw for fastening the square. It must be located on the top side (12 o'clock position) of the coupling module.

1. Insert the square, with adapter sleeve if appropriate, in the coupling module: make sure you align the eccentric drilled hole on the square to the threaded pin / set screw of the inner handle.
2. Secure the square using the threaded pin. (hexagon socket 2 mm)

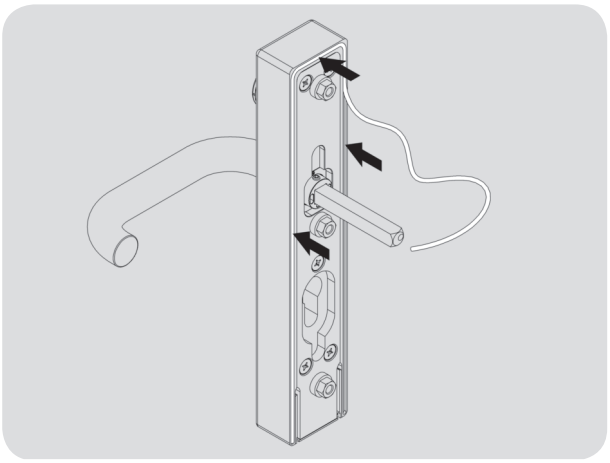


Fig. 13: Inserting the rubber seal.

3. Insert the rubber seal(s).

Please note! Always make sure the seals are inserted properly during installation of the Guardian S.

Please note! Always make sure that the seal is not damaged during later installation of a profile cylinder.

Please note! Always install the Guardian® S with the door open so that you do not lock yourself out.

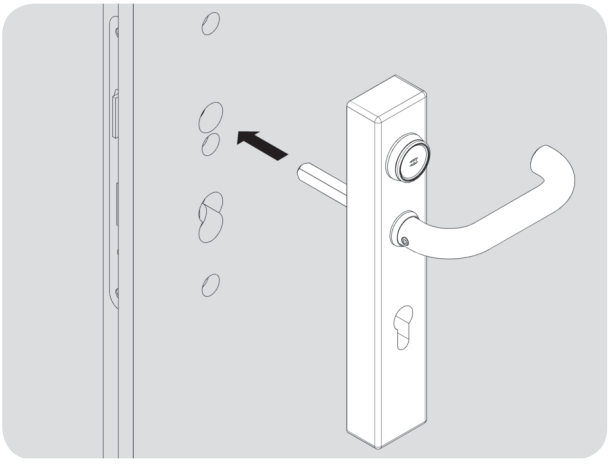


Fig. 14: Positioning the outer fitting

4. Place the outer fitting on the prepared door leaf.

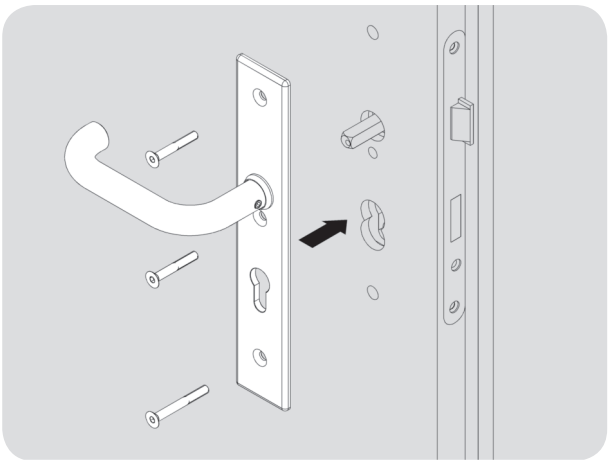


Fig. 15: Fixing the inner fitting

5. Place the inner fitting onto the door leaf and fix it in place with the 3 screws.

Please note! The longer of the three screws is inserted into the lowest hole and fixes the battery compartment in addition. To do this, push the battery compartment into the outer fitting and hold it tight. Screw the bottom and longest screw in on the inside. Then screw the top and middle screws into the holes provided.

6. Then secure the inner handle using the threaded pin.

Please note! Keep the original packaging so that you can store the Guardian S safely at any time.

INSTALLATION OF GUARDIAN OUTER FITTING

Follow the steps below:

Please note! If you use the square in the coupling module, you will usually have to insert an adapter sleeve, depending on the installation situation (lock variant):

- 9.0 mm lockcase nut (fire and panic doors): no adapter sleeve necessary – the coupling module nut and the square are both 9.0 mm.
- 8.0 mm lockcase nut (interior doors): adapter sleeve from 8 mm square to 9 mm coupling module nut
- 8.5 mm lockcase nut: adapter sleeve from 8.5 mm square to 9 mm coupling module nut
- 10 mm lockcase nut (exterior doors): adapter sleeve 9 mm square to 10 mm in lock follower (secure against slipping)

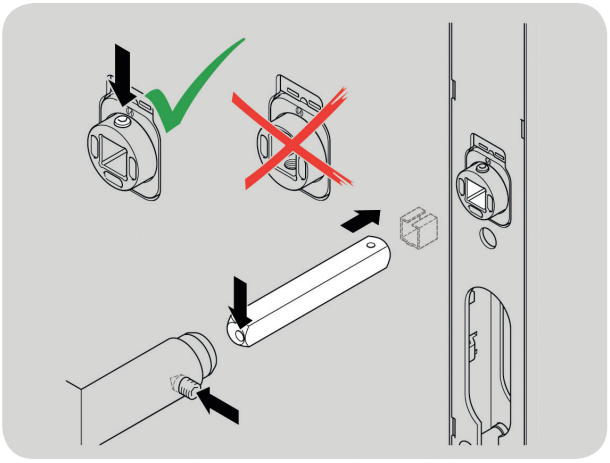


Fig. 16: Inserting the square

Please note! Always pay attention to the position of the set screw for fastening the square. It must be located on the top side (12 o'clock position) of the coupling module.

1. Insert the square, with adapter sleeve if appropriate, in the coupling module: make sure you align the eccentric drilled hole to the threaded pin / set screw of the inner handle.
2. Secure the square using the threaded pin / set screw (hexagon socket 2 mm).

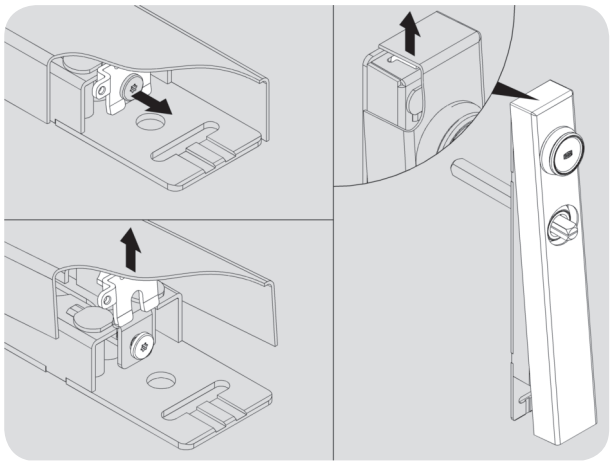


Fig. 17: Removing the cover

3. Remove the battery compartment and battery as described in the Battery replacement chapter. (see 32, steps 1 to 4)
4. Use a Torx spanner (Torx T10) to loosen the cover and lift it slightly.
5. Clip the cover out at the top of the U-profile.

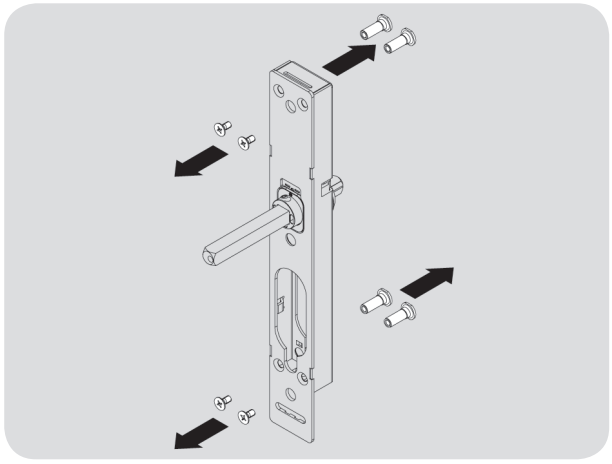


Fig. 18: Removing attachment screws and connecting sleeves

6. Undo the attachment screws on the U-profile and remove both screws and connecting sleeves.

Please note! Hold the battery compartment underneath until the screws are firmly in place in order to avoid parts falling. Use adhesive tape to help if necessary.

Please note! Always install the Guardian with the door open so that you do not lock yourself out.

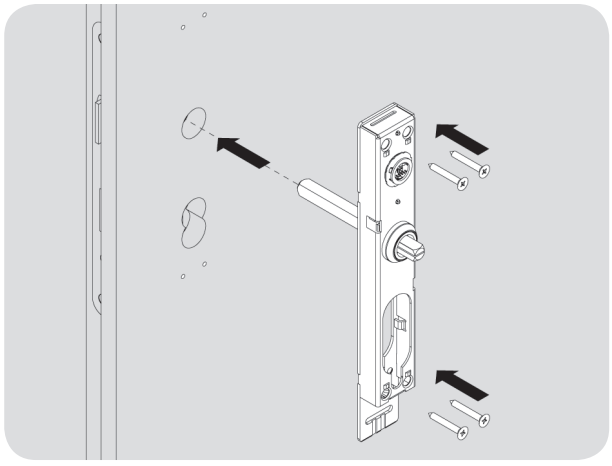


Fig. 19: Attaching the unit

7. Set the prepared unit on the prepared door leaf.
8. Use the 4 attachment screws to fix the unit in place in accordance with your installation situation and screw on: the Guardian is provided with the following screws for attachment of the unit:
   - chipboard screws 4.5x40 (Torx T20) for solid wooden leaf doors
   - M5x30 A2 ISO 7991 for metal doors or tubular frame doors (threaded inserts)

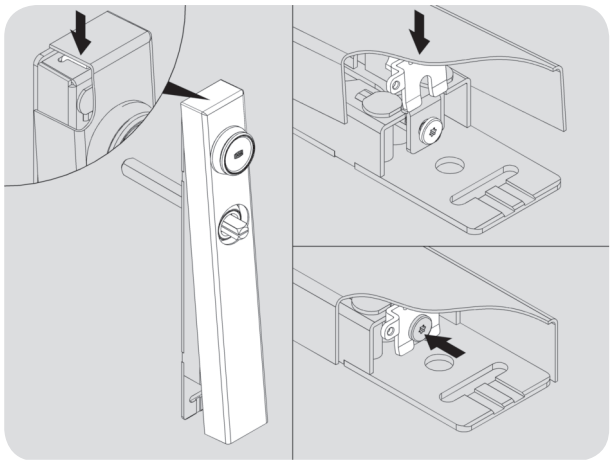


Fig. 20: Setting the outer cover in place

9. Clip the cover in at the top of the U-profile.
10. Hook the tab on the outer cover in between the screw and the U-profile and press into place.
11. Secure the cover using the attachment screw and tighten using the Torx spanner (Torx T10).
12. Remove the battery and battery compartment as described in the Battery replacement chapter. (see 32, steps 6 to 9)

Please note! Before you click the outer door handle into the easyfix attachment, check smooth movement and coupling function. For this, you require an authorised transponder or the new ENiQ building locking card (ENiQ only, Q1 2017), which you have to create according to the description in the Operation chapter.

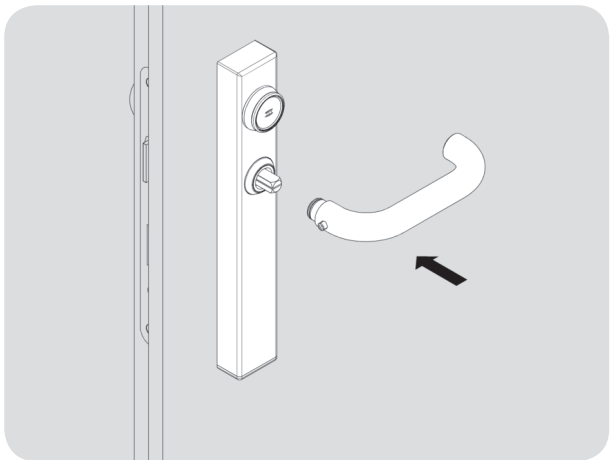


Fig. 21: Attaching the handle

13. Set the handle onto the square, without clicking the handle into the easyfix attachment.
14. Present the authorised transponder.
15. Check smooth movement and coupling function.
16. After a successful functional test, click the handle into place and secure using the threaded pin.

Caution! If the unit does not work perfectly, you will have to remove it. During removal make sure you do not damage the reading module (see the Removal chapter).

Please note! Keep the original packaging so that you can store the Guardian safely at any time

INSTALLATION OF GUARDIAN INNER FITTING

Follow the steps below:

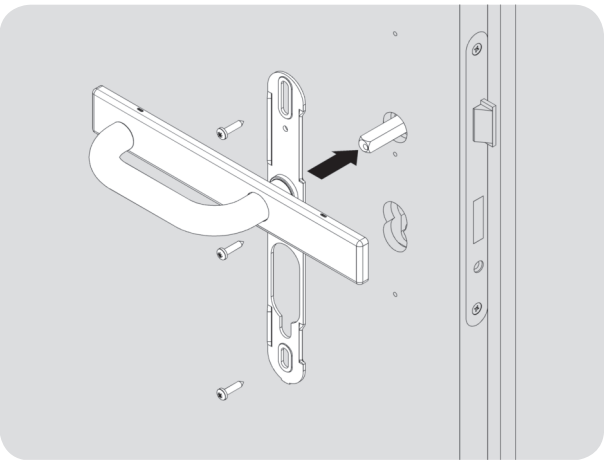


Fig. 22: Inner base plate

1. Set the handle onto the square.
2. Hold the cover horizontally so that the screwing points are visible.
3. Tighten the screws.
4. Check function.
5. Snap the cover into place.
6. Secure the handle using the threaded pin.

OPTIONAL AIDS AND CUSTOMISED VERSIONS

DRILLING TEMPLATE FOR GUARDIAN GERMANY MODEL (RECOMMENDED):

Caution! The Guardian drill template must be in proper working condition. Be sure to replace any worn drill templates. Always align the drill template very exactly in order to prevent damage to the door.

The Guardian drill template is designed for locks (PC, RC, PRC) with a distance of 55 mm to 94 mm between the handle and the cylinder.
You can use the Guardian drill template to spot-drill the holes for one-sided and two-sided installation directly through the drilling template into the door leaf without removing the drilling template first.

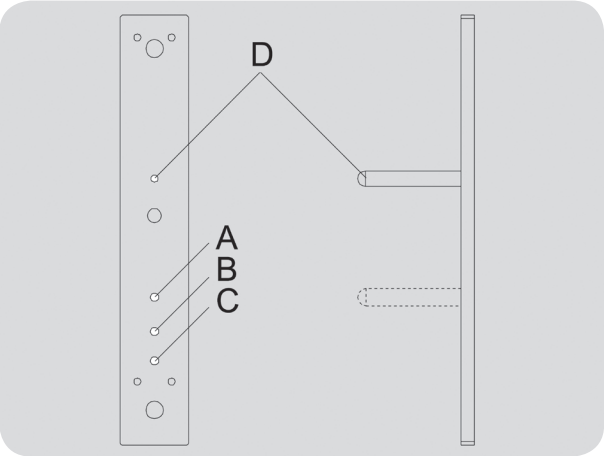
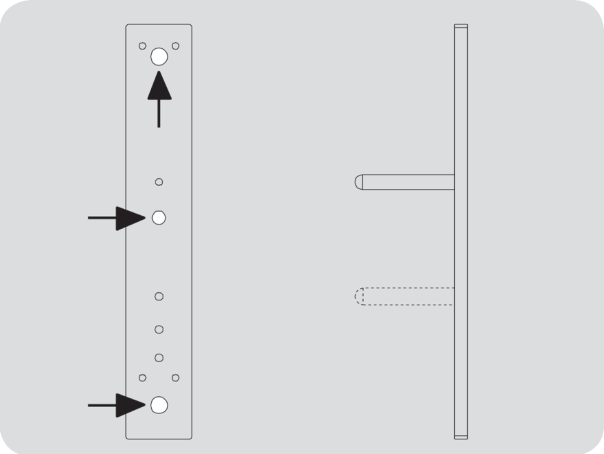


Fig. 23: Drilling template bolts

Depending on the distance between the centre of the lock follower and the centre of the keyhole of the lock cylinder, you must screw in the bolt (diameter 10 mm, see illustration) at different positions to fix it in the cylinder hole.
A: 55 mm
B: 70 – 78 mm
C: 88 – 94 mm
D: You can determine the bolt diameter for the lock follower by measuring the square or by inserting the bolt into the lock follower (7; 8; 8,5; 9 or 10 mm).

DRILLED HOLES FOR GUARDIAN AND GUARDIAN S:



For installation on both sides, you must use the three inner drilled holes. A through hole must be drilled.
Drilling diameter top/bottom = 10 mm
Drilling diameter centre = 8 mm
With the Guardian S all three drilled holes must have been spot-drilled to 10 mm depth first using a 16 mm drill. The 8 mm or 10 mm drill is then used to drill the through hole.
Recommendation: always drill on both sides to ensure the exact positioning of the fittings.

Fig. 24: Drilling template for both sides

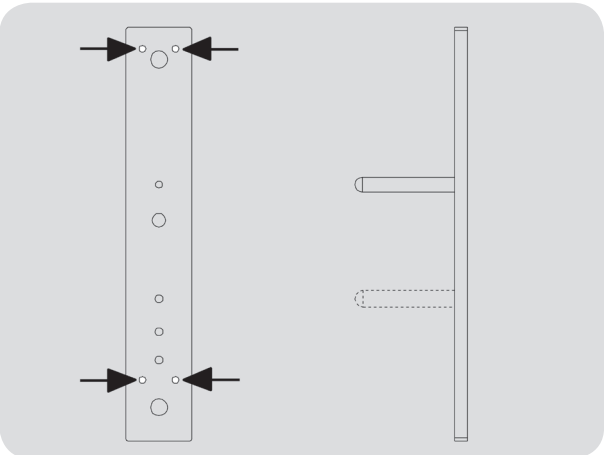
Follow the steps below:

1. Screw the bolt for the square opening into the drill template.
2. If there is a PC hole present, screw in the bolt for the PC hole into the drill template according to the distance between the centre of the lock follower and the centre of the keyhole in the lock cylinder.
3. Set the drill template in place.
4. If there is no PC hole present, align the drill template by hand so that it is parallel to the edge of the door and fix it in place.
5. Fix the drill template so that it does not move.
6. Spot-drill the holes.
7. If necessary, remove the lock or repeat the procedure to spot-drill the second side.
8. Remove the drill template and the lock.

Caution! Before you drill the holes into the door, make sure you will not drill through the door. Set the drill so that the drill bit does not drill through the door and damage the door leaf on the inside of the door or the lock. If necessary, use a depth stop or remove the lock. Always use suitable drill bits (wood, metal).
When rivet-down nuts are used, the door leaf may have to be countersunk to prevent the collar protracting. For this reason, we recommend the use of blind rivet nuts with a countersunk head.
The manufacturer is not liable for any damage caused by improper installation.

9. Drill the holes at right angles on both sides if required.
10. Carefully remove drilling chips.

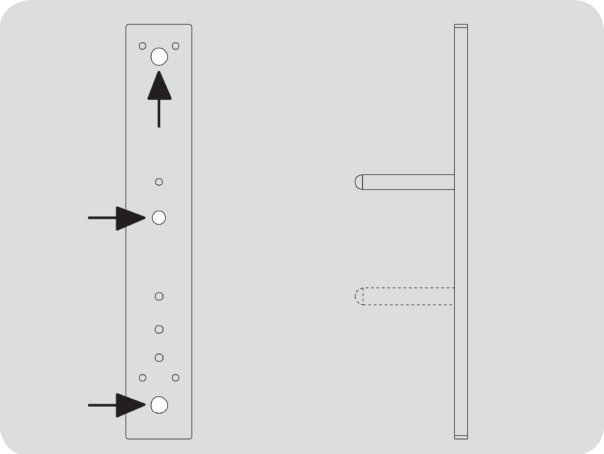
DRILLED HOLES FOR GUARDIAN OUTER FITTING



For installation on one side, you must use the four outer drilled holes. Make sure threads or attachment points are available at the attachment points.
The following screws are included for the one-sided attachment of the unit: M5x30 (hexagon socket) for tubular frame doors with rivet-down nuts 4.5x40 (T20) for solid wooden leaf doors

Fig. 25: Drilling template for the outside

DRILLED HOLES FOR GUARDIAN INNER FITTING



For installation on both sides, you must use the three inner drilled holes. A through hole must be drilled.
Drilling diameter top/bottom = 10 mm
Drilling diameter centre = 8 mm
Recommendation: always drill on both sides to ensure the exact positioning of the fittings.

Fig. 26: Drilling template for the inside

Follow the steps below:

1. Screw the bolt for the square opening into the drill template.
2. If there is a PC hole present, screw in the bolt for the PC hole into the drill template according to the distance between the centre of the lock follower and the centre of the keyhole in the lock cylinder.
3. Set the drill template in place.
4. If there is no PC hole present, align the drill template by hand so that it is parallel to the edge of the door and fix it in place.
5. Fix the drill template so that it does not move.
6. Spot-drill the holes.
7. If necessary, remove the lock or repeat the procedure to spot-drill the second side.
8. Remove the drill template and the lock.

Caution! Before you drill the holes into the door, make sure you will not drill through the door. Set the drill so that the drill bit does not drill through the door and damage the door leaf on the inside of the door or the lock. If necessary, use a depth stop or remove the lock. Always use suitable drill bits (wood, metal).
When rivet-down nuts are used, the door leaf may have to be countersunk to prevent the collar protracting. For this reason, we recommend the use of blind rivet nuts with a countersunk head.
The manufacturer is not liable for any damage caused by improper installation.

9. Drill the holes at right angles on both sides if required.
10. Carefully remove drilling chips.

RENOVATION PLATE

Renovation plates can only be used with the Guardian.
The thickness of the plates (3 mm each) must be added to the thickness of the door when placing your order.
Before the outer fitting is set in place on the door, position the renovation plate between the door and the outer fitting. Then insert the outer fitting into the holes. The same applies for positioning of the renovation plate on the inside of the door. Please note the length of screws you require when placing your order.

SYMMETRICAL HANDLE LOCK

Depending on the use of the handle lock, you can limit or permit the upward operation angle of the handle.

Caution! Upon delivery, the handle lock is inserted in the module setting neutral (N).

Please note! Depending on the direction the handles are facing, you will have to align the handle lock in different ways. The arrow on the handle lock is point towards the module setting.

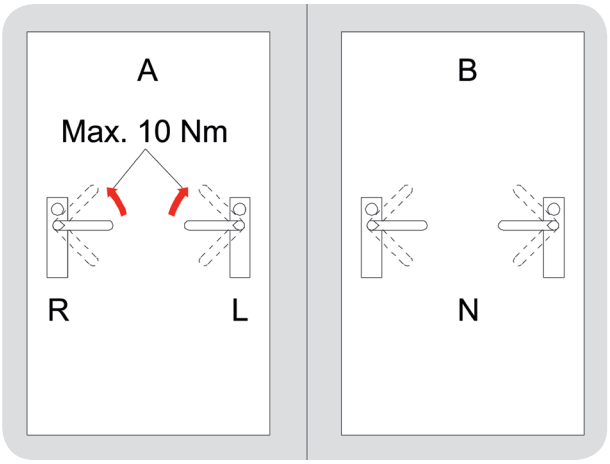


Fig. 27: Module setting neutral

Caution! If you have inserted the handle locking on the module setting left (L) or right (R) you must not subject the handle to more than 10 Nm force against the operating direction (case A).
Otherwise the coupling module will be damaged.
There is no risk of this happening with module setting neutral (N) (case B).

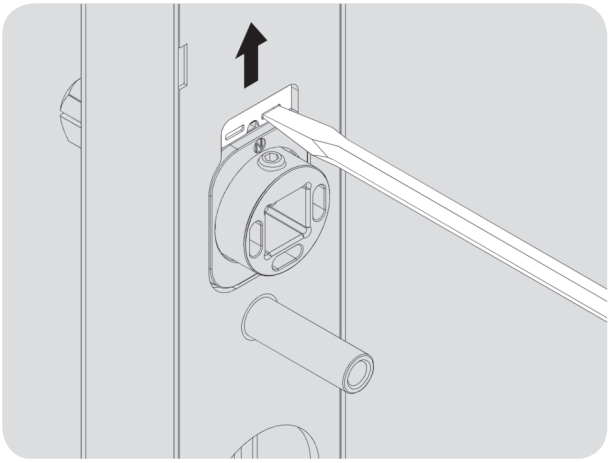


Fig. 28: Removing the handle lock

1. Insert a slot-head screwdriver into the recesses of the slide.
2. Open the slide far enough to be able to remove the handle lock using an ancillary tool (e.g. pointed pliers).

Caution! After you have inserted the handle lock again, always close the slide again in order to avoid destruction of the coupling module.

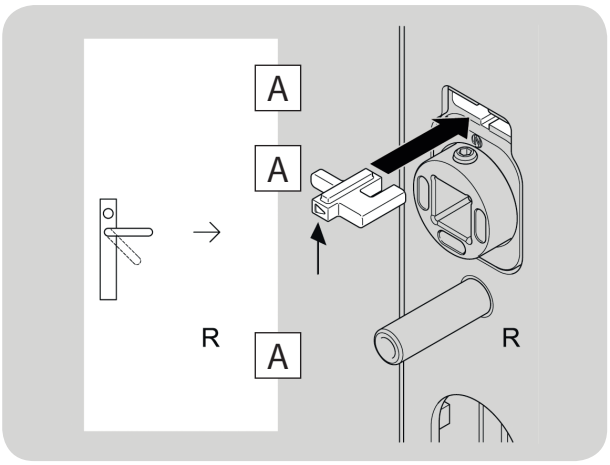


Fig. 29: Module setting right

3. Turn the handle lock and insert the handle lock in accordance with your installation situation:

R: module setting right: the door hinges (A) are on the right-hand side.

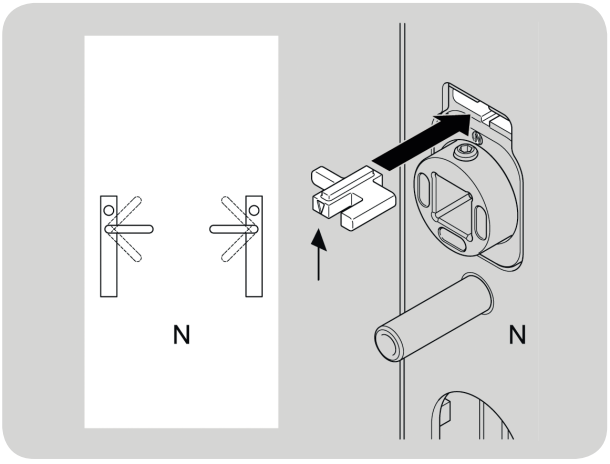


Fig. 30: Module setting neutral

N: module setting neutral:
The handle can be moved 45° up and down.

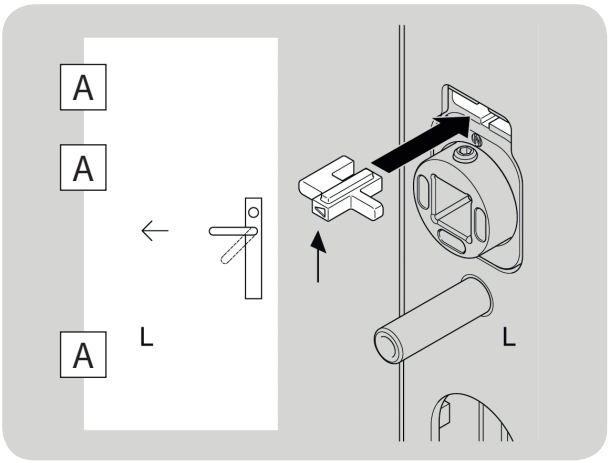


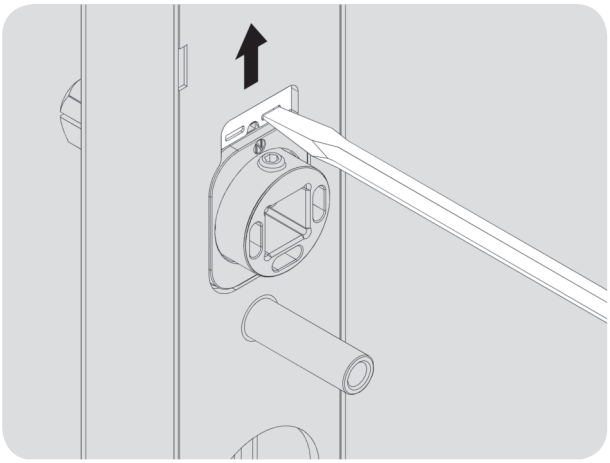
Fig. 31: Module setting left

L: module setting left: the door hinges (A) are on the left-hand side.

ASYMMETRICAL HANDLE LOCK

The asymmetrical handle lock can be fitted in additional to the angle restriction for adjustment purposes if the handle is not in a horizontal position.
As a rule the asymmetrical handle lock can be installed in Guardian versions which are fitted with a grey coupling module.

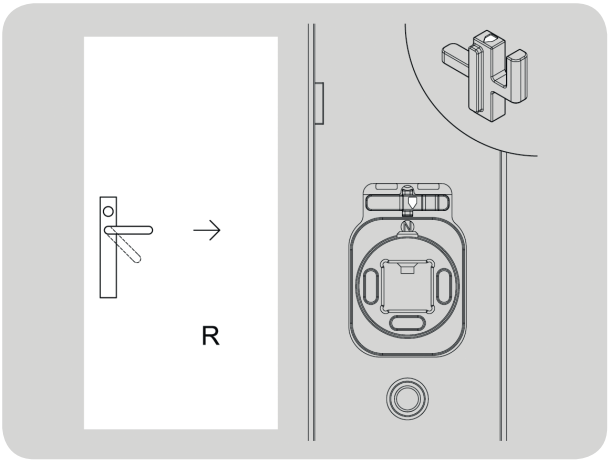
Please note! Remove the unit in accordance with the installation instructions. (see 35)



1. Insert a slot-head screwdriver into the recesses of the slide.
2. Open the slide as far as possible; the asymmetric handle lock is visible and can be removed using an ancillary tool (e.g. long-nosed pliers).

Fig. 32: Opening the slide

Please note! The asymmetrical handle lock should be pushed in without the use of force.
Hold the handle in the horizontal for this purpose and slide the handle lock in.
Should you detect a resistance whilst sliding it in, move the handle slightly up and down (1 – 2°) until the handle lock slides in without force.



R: The door hinges are located on the right-hand side:

3. Rotate the asymmetrical handle lock so that the arrow is pointing downwards and insert the handle lock in accordance with your installation situation.

Fig. 33: Right-hand door hinges

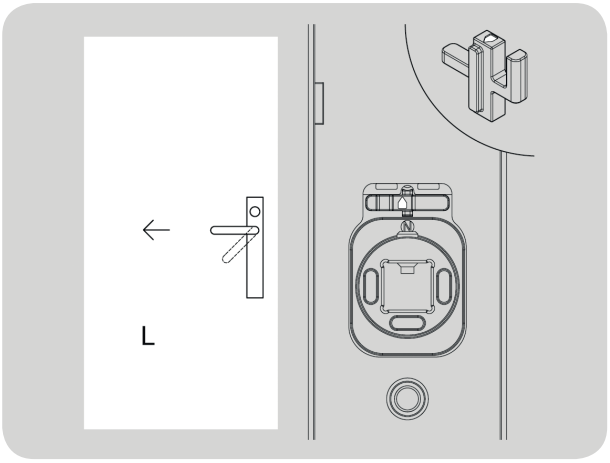


Fig. 34: Left-hand door hinges

L: The door hinges are located on the left-hand side:

4. Rotate the asymmetrical handle lock so that the arrow is pointing upwards and insert the handle lock in accordance with your installation situation.

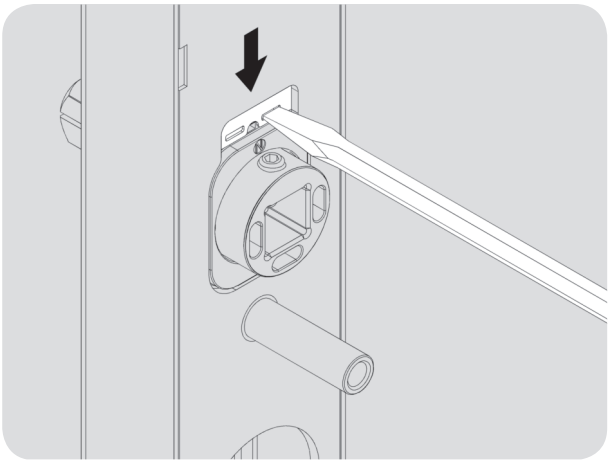


Fig. 35: Closing the slide

Caution! After you have inserted the asymmetrical handle lock close the slide again.

5. Insert a slot-head screwdriver into the recesses of the slide.
6. Close the slide again.

Please note! Fit the unit again in accordance with the installation instructions. (see 10)

PUTTING INTO OPERATION

Once you have installed the Guardian properly, you can put the Guardian into operation.

DOM tapkey :

ENiQ® | ELS® :

Caution! All you need to put the Guardian into operation without using software is the master card. This are used to set the system's identification. This is a one-off procedure which must be performed. Keep the master card in a safe place to which only authorised persons have access. The master card does not have a locking function. If the master card is lost, you must contact your dealer. Extensive reprogramming will be required. When ENiQ® Access Management Software is used, the system can also be put into operation without a master card. This is not possible for the ELS® software.

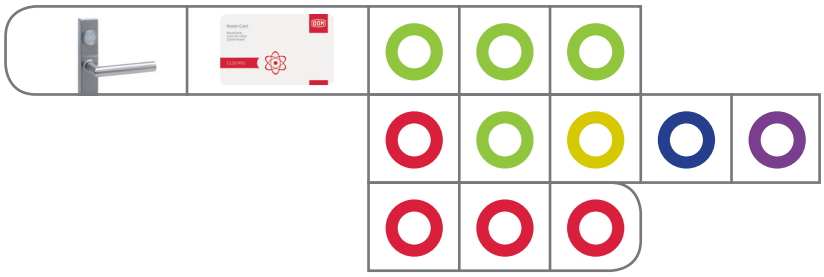
Please note! Programming with the master and programming card is carried out on the outside. Carry out programming only when the door is opened so you do not lock yourself out.

Please note! The Guardian automatically detects transponders which approach the reading field. In rare cases, environmental factors in the form of interference fields or the use of transponders not approved by DOM Sicherheitstechnik may result in the failure of the DOM ENiQ cylinder to detect transponders automatically.

To initialise the Guardian, hold the master card directly in front of the reading module (approx. 1 cm). The following signals are given:

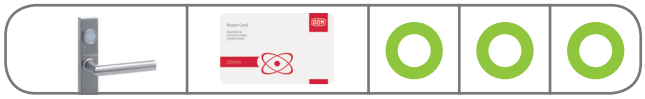
ENiQ®

The green LED flashes twice briefly and once long. The Guardian then indicates its initialisation by means of the signal sequence red, green, yellow, blue and violet. Finally, the red LED lights up twice briefly and once long.



ELS®

The green LED flashes twice briefly and once long.



OPERATION

Now you can use the master card to create programming cards which you can use in turn to create locking media.

Please note! The master and programming cards do not function as locking media.

Master card
The master card has the following functions:
- Initialisation of the Guardian / Guardian S
- Setting the coupling duration
- Creation or deletion of individual locking media and programming cards
- Simultaneous deletion of all locking media and programming media

Programming card
The programming card has the following functions:
- Creation or deletion of individual locking media
- Deletion of all locking media

Locking media (key fob, Clip Tag, card, etc.)
- Locking and opening

Constantly open card or tag
The constantly open card has the following functions:
- Setting of electronics to constantly open mode
- Resetting of electronics to initial state
- Changing from constantly closed to constantly open mode

Constantly closed card or tag
The constantly closed card has the following functions:
- Setting of electronics to constantly closed mode
- Resetting of electronics to initial state
- Change from constantly open to constantly closed mode

ACKNOWLEDGEMENT OF TERMINATIONS

In general, if one of the time windows specified in the various programming modes (removal or presentation of master or programming card and locking media) is not observed, a termination occurs. Such a termination is acknowledged by two flashes of the red LED.

OPENING

To open the door, all you have to do is hold an authorised locking media a short distance in front of the reading module.

Authorised transponder:

The Guardian engages and the green LED flashes during the set coupling duration. Once the coupling duration has expired, the red LED flashes once.

Unauthorised transponder:

The Guardian does not engage. The red LED flashes four times.

SETTING THE COUPLING DURATION

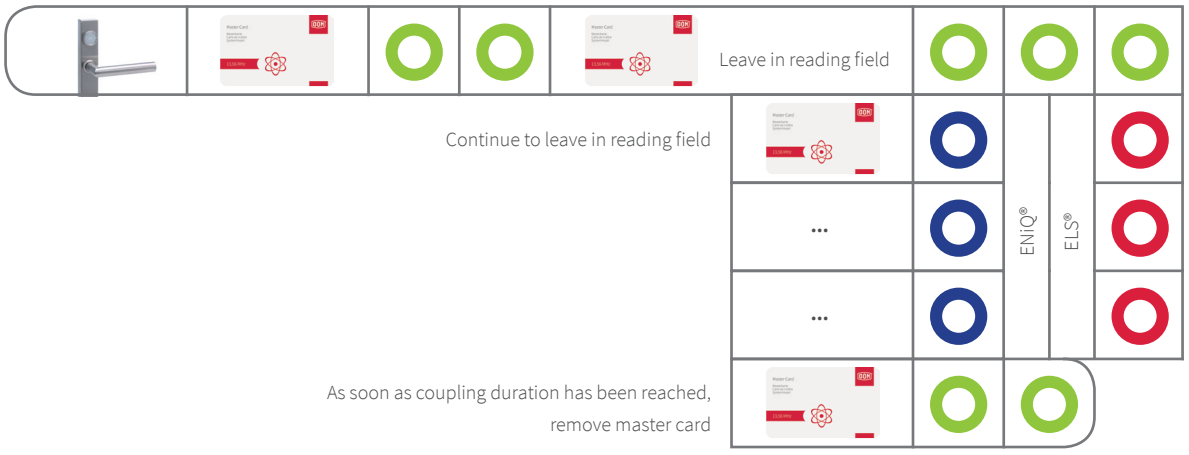
Please note! The coupling duration denotes the period for which the Guardian can be actuated after an authorised transponder has been presented. In delivery condition, the coupling duration is 5 seconds.

All you need is the master card. Follow the steps below.

7. Hold the master card flat a short distance in front of the reading module. Presentation of the card is confirmed by two green flashes.
8. Now hold the master card in front of the reading module again and leave the master card in the reading field of the reading knob. The green LED flashes three times. The red (ELS) / blue (ENiQ) LED then flashes once a second after that. Each flash corresponds to 1 second of coupling duration. Hold the master card in front of the knob for the desired coupling duration (max. 30 seconds).
9. Remove the master card as soon as the desired coupling duration has been reached.

The green LED will flash twice as a confirmation. The coupling duration is now set.

Set the coupling duration:



CREATING LOCKING OR PROGRAMMING MEDIA

You need the master or programming card and the media that you wish to create.

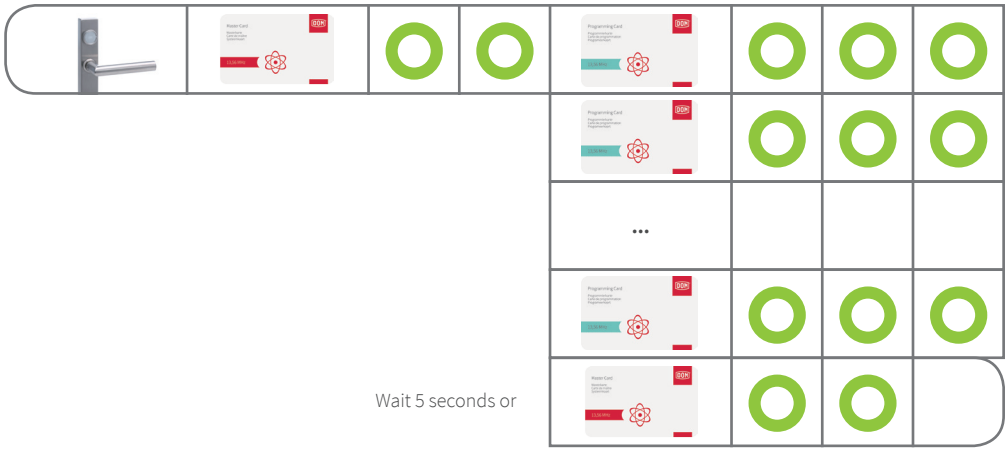
Please note! You can create a maximum of 5 programming cards. Once you have created a programming card, you can also continue the further programming with the programming card.

Follow the steps below:

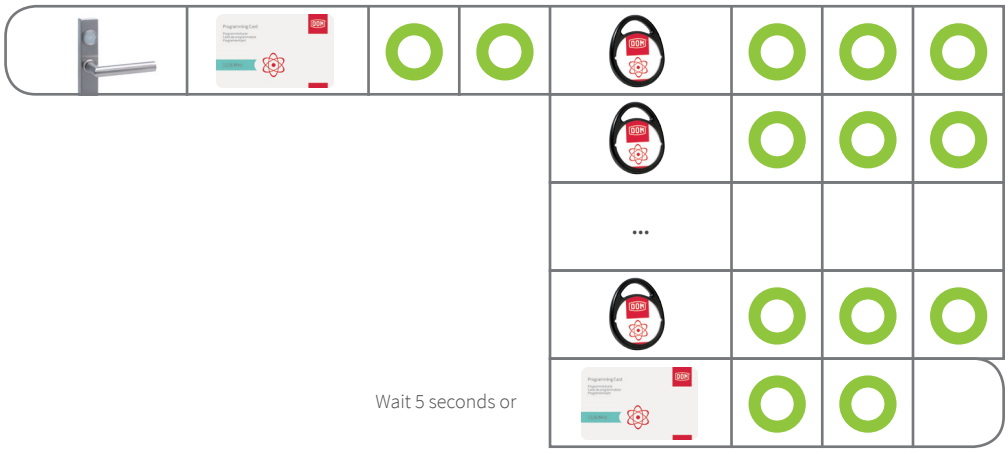
10. Hold the master or programming card flat a short distance in front of the reading module: presentation of the card is confirmed by two green flashes.
11. Then present the programming media or transponders to be created one after the other: presentation of each programming media or transponder is confirmed by three green flashes.

The programming process is terminated after a pause of 5 seconds or by presenting the master or programming card.

Creating programming media:



Creating locking media:



DELETING LOCKING OR PROGRAMMING MEDIA

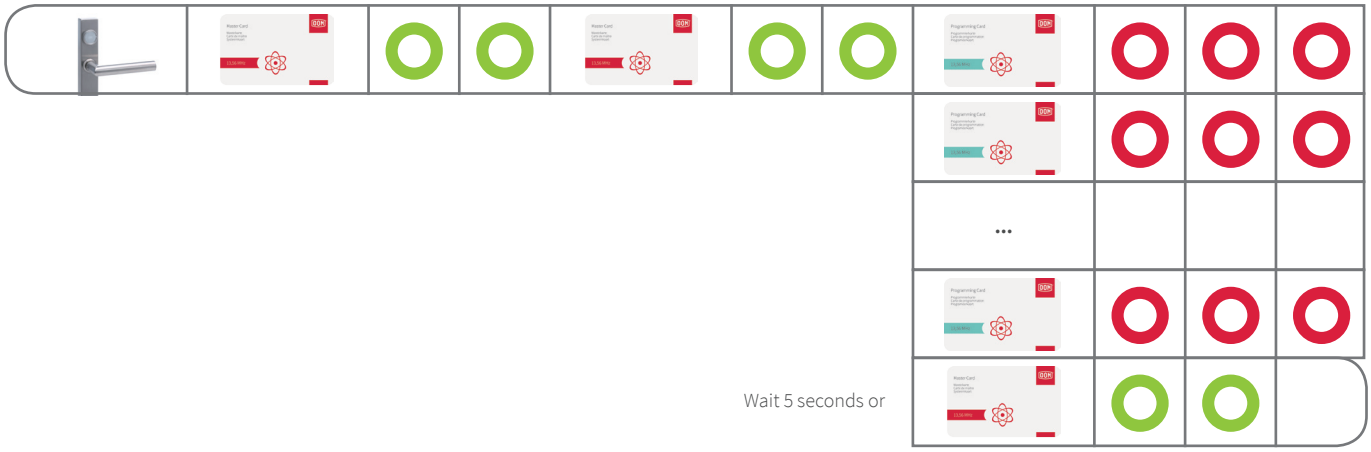
You need a master or programming card and the media that you wish to delete.

Follow the steps below:

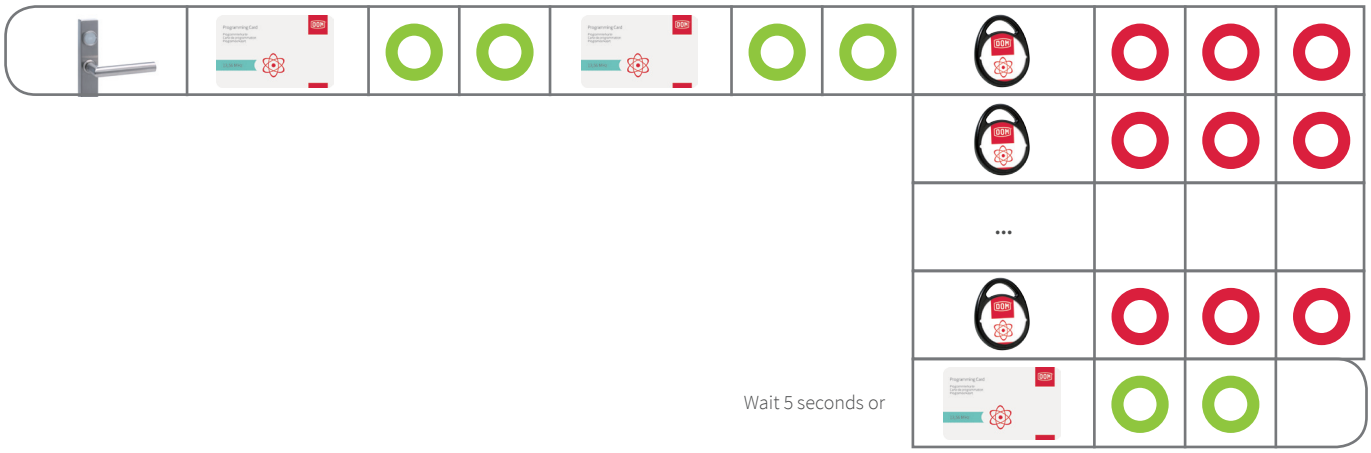
12. Hold the master or programming card flat a short distance in front of the reading module twice in quick succession: presentation of the card is confirmed by two green flashes.
13. Then present the programming media or transponders to be deleted one after the other: presentation of each programming media or transponder is confirmed by three red flashes.

The programming process is terminated after a pause of 5 seconds or by presenting the master or programming card.

Deleting programming media:



Deleting locking media:



DELETING ALL LOCKING OR PROGRAMMING MEDIA

If you have lost a locking media, you can no longer individually delete this locking media (without software or Easy Flex system). In this case, you must delete all locking media and create the existing locking media again.
You only need a programming card to do this.

Please note! If you use the master card instead of the programming card, all programming media will also be deleted.

Follow the steps below:

14. Hold the programming card flat a short distance in front of the reading module twice in quick succession: presentation of the card is confirmed by two green flashes.
15. Hold the programming card flat a short distance in front of the reading module a third time: the red LED flashes twice as confirmation.

All locking/programming media have been deleted.

Deleting all locking media:

Deleting all locking and programming media:

Please note! You must now create the locking media that you wish to reauthorise again.

PROGRAMMING AND MANAGEMENT WITH SOFTWARE

If you have ELS® software or ENiQ® Access Management software available, you then have the possibility of managing and programming your Guardian. You can manage locking media and authorisations as well as use additional functions that are only available via software.

In addition, using the software is more convenient and organised in comparison with using the master card when managing larger systems.

ENiQ®

The electronics feature a wireless interface. This interface can be used to exchange data with a PC/laptop. If you work with a PC/laptop, a USB wireless stick is required which is connected to the USB interface of the PC or laptop.

Functions which are available through ENiQ® Access Management software:
- Read-out of the event memory
- Allocation of daily and weekly schedules
- Deletion of individual locking media that are no longer available

Please note! Programming and management of the Guardian using the ENiQ® Access Management software is described in the operating manual of the ENiQ® Access Management software.

Please note! Communication between PC/laptop and Guardian is possible exclusively via the USB radio stick. You can find information about this in the operating manual of the ENiQ® Access Management software or directly from DOM Sicherheitstechnik.

Depending on environmental influences, the range of the radio link is up to 3 metres.

ELS®

The ELS® Guardian has an infrared interface. This interface can be used to exchange data with a PC/laptop. If you work with a PC/laptop, a serial or USB infrared adapter is required which is connected to the serial interface of the PC or laptop.

Functions which are available through ELS® Access Management software:
- Programming of office functions
- Read-out of the event memory
- Assignment of time zones
- Deletion of individual locking media that are no longer available

Please note! Programming and management of the Guardian with the ELS® software is described in the ELS® software operating manual.

Please note! Perfect communication between the PC/laptop and Guardian is only guaranteed when the infrared adapter recommended by DOM is used. You can find information about this in the operating manual of the ELS® software or directly from DOM Sicherheitstechnik.

The range of the infrared connection is up to one metre.

Please note! External light (e.g. fluorescent lamps) can interfere with the infrared connection.

Please note! Soiling of the infrared module and/or the reading module can interfere with a perfect **infrared** connection.

MAINTENANCE

The Guardian is maintenance-free. Power is supplied to the Guardian by a 3.0 V lithium battery pack. A low battery warning indicates that the battery pack must be changed.

The Guardian is equipped with a three-stage warning system.

Please note! At least 100 (ELS) and 500 (ENiQ) opening operations are still possible in warning stages 1 and 2. In warning stage 3, only one opening operation is possible with the master or programming card.

ENiQ® & DOM tapkey :

First warning stage:
Before indicating an unauthorised or authorised transponder and if applicable before engagement, the red and green LEDs flash alternately. Finally, the blue LED flashes once.

Engagement then occurs.

Second warning stage:
The authorised transponder must be presented twice. The low battery warning appears (first) each time the transponder is presented. The blue LED flashes twice.

Engagement then occurs.

Third warning stage:
Engagement occurs immediately after presenting the master or programming card

Once the transponder is recognised, the low battery warning appears once. The blue LED flashes three times and engagement does not occur.

First warning stage:
Before indicating an authorised or unauthorised transponder and if applicable before engagement, the red and green LEDs flash alternately.

Engagement then occurs.

Second warning stage:
The authorised transponder must be presented twice. The low battery warning appears (first) following the first presentation of the locking media.

Engagement then occurs.

Third warning stage:
Opening is only possible using the master card or a programming card.

Once the card is recognised, the low battery warning appears once. Engagement then occurs.

BATTERY REPLACEMENT

Guardian battery replacement

Follow the steps below to change the battery:

Caution! In the event of electrostatic discharge (sparks or breakdown), electronic components may be destroyed. For this reason, avoid electrostatic charges prior to the installation/removal of electronic components or touch a conductive, grounded object (e.g. water pipe, heating) beforehand to remove electrostatic charge from your body.

Please note! Only use the 3.0 volt lithium batteries from DOM Sicherheitstechnik which are already pre-assembled with the connection cable.

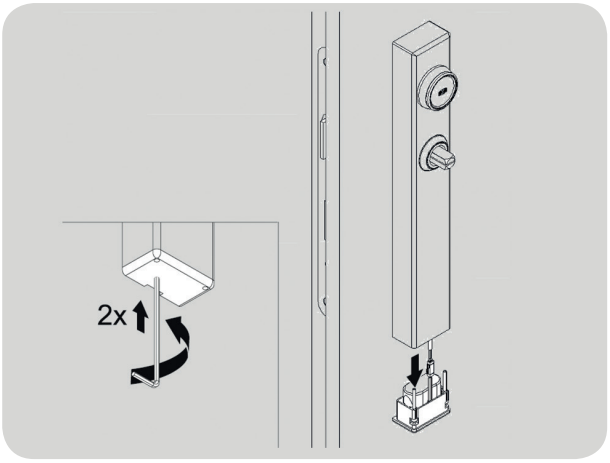


Fig. 36: Removing the battery compartment

1. Use the hexagon socket key (2 mm, Allen key) to undo the two battery compartment keys.
2. Pull the battery compartment vertically down and out.
3. Remove the old battery from the battery compartment.
4. Carefully disconnect the connection cable.
5. Dispose of the battery properly.

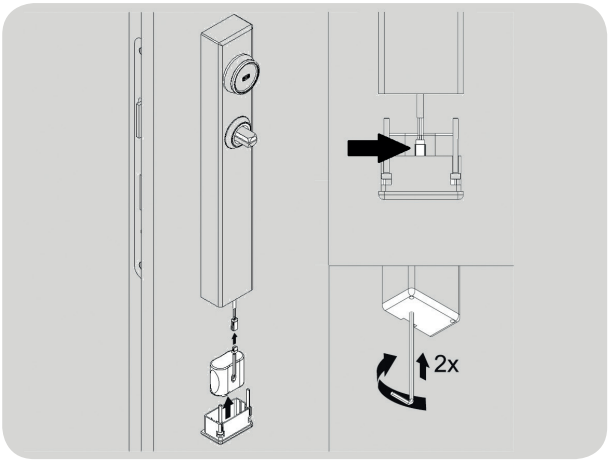


Fig. 37: Connecting a new battery

6. Connect the new battery to the connection cable: the Guardian carries out a self-test.
   The light fixture flashes:
   Green: If the set time is correct.
   Red: If the time must be set again.

Please note! The coupling module is actuated. This noise can be clearly heard and is not an indication of a fault.

7. Insert the battery into the battery compartment. To make the procedure easier, clamp the connector tightly between the battery pack and battery compartment.
8. Push the battery compartment into the fitting. Make sure that the cable does not get in the way of the screw attachment.
9. Tighten both screws.

Guardian S battery replacement

Follow the steps below to change the battery:

Caution! In the event of electrostatic discharge (sparks or breakdown), electronic components may be destroyed. For this reason, avoid electrostatic charges prior to the installation/removal of electronic components or touch a conductive, grounded object (e.g. water pipe, heating) beforehand to remove electrostatic charge from your body.

Please note! Only use the 3.0 volt lithium 2-CR2 pack (battery) from DOM Sicherheitstechnik which are already pre-assembled with the connection cable.

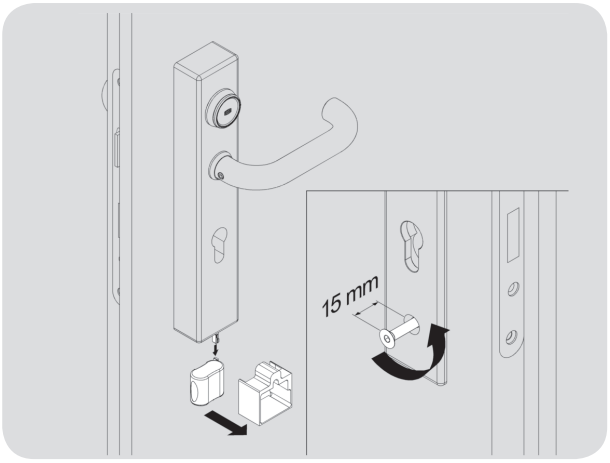


Fig. 38: Removing the battery compartment

1. Undo the lower screw on the inside and screw it out around 15 mm: you can now remove the battery compartment on the outside.
2. Remove the old battery from the battery compartment.
3. Carefully disconnect the connection cable.
4. Dispose of the battery properly.

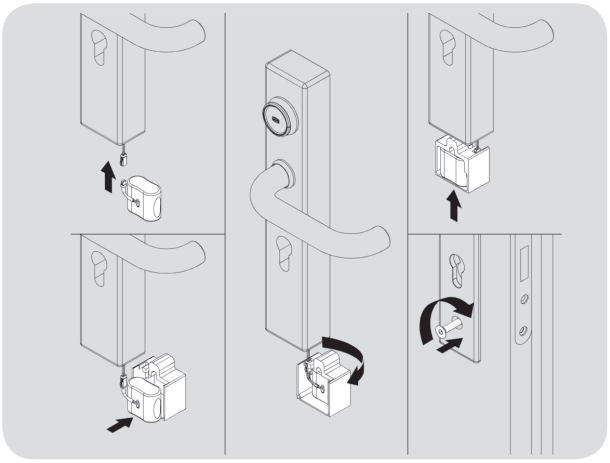


Fig. 39: Inserting the battery compartment

5. Connect the new battery to the connection cable: the Guardian ® S carries out a self-test.
   The light fixture flashes:
   Green: If the set time is correct.
   Red: If the time must be set again.

Please note! The coupling module is actuated. This noise can be clearly heard and is not an indication of a fault.

6. Insert the new battery into the battery compartment. Please make sure you clamp the battery cable with the connector into the slot provided in the battery compartment (illustration in the middle).
7. Insert the battery compartment and secure it against falling out.
8. Insert the battery in the battery compartment.
9. Push the battery compartment into the fitting and secure it against falling out.
10. Insert the lower screw (long) on the inside and tighten it, thus fixing the battery compartment in place.

REMOVAL

Depending on the installation situation (both sides, one side), the removal procedure differs.

Caution! Avoid electrostatic charges prior to the removal of electronic components or touch a conductive, grounded object (e.g. water pipe, heating) beforehand to remove electrostatic charge from your body. Never touch the electronics components with your fingers.

Caution! Material damage due to improper storage. If you store the Guardian for an extended period prior after removal, store all the components in their original packaging in a dry, dust-free location.

Removal of the Guardian

Follow the steps below:

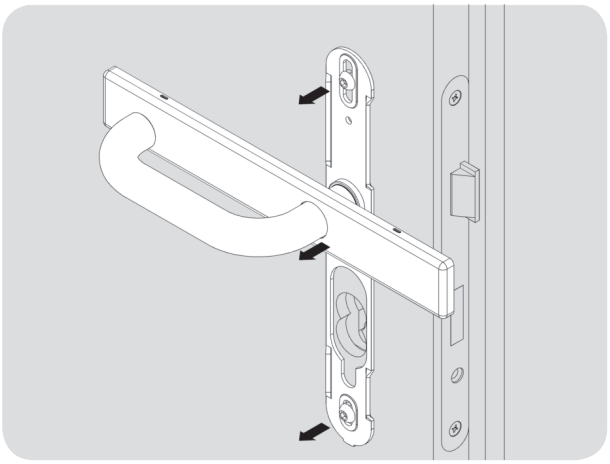


Fig. 40: Removal on both sides

1. Screw the threaded pin out on the inside handle.
2. Insert the slot-head screwdriver into the slot at the bottom of the cover on the inside, lever the cover off and turn it.
3. Screw the door through screws on the inner base plate out and pull the inner unit off.
4. Then pull the outer unit off.

Removal of the Guardian S

Follow the steps below:

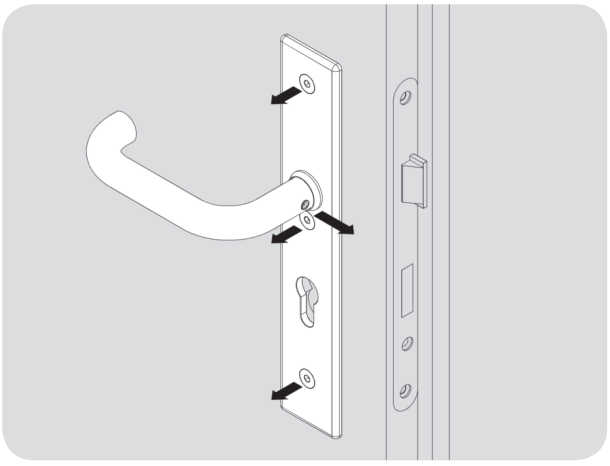


Fig. 41: Removal of the Guardian S

1. Screw the threaded pin out on the inside handle.
2. Undo the lower screw, making sure you keep hold of the battery compartment.
3. Remove the centre and upper screw
4. Take the inner and outer plate off the door.

Removal of the Guardian outer fitting

Caution! If the Guardian is fitted on one side, you may not loosen the hexagon socket screw on the handle until directly before you remove the coupling module from the U-profile. Otherwise the electrical supply lines to the coupling module can become damaged.

Follow the steps below:

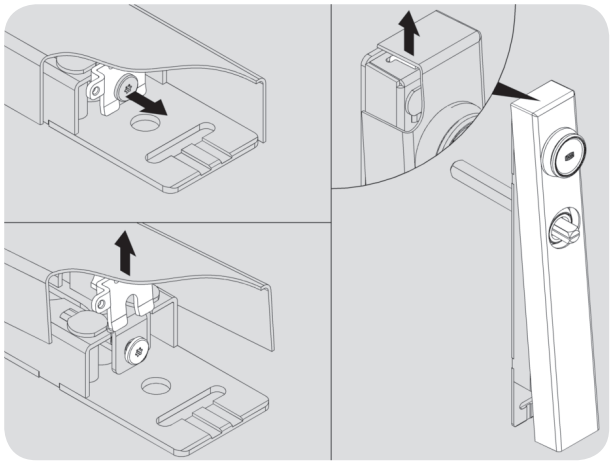


Fig. 42: Loosen the outer cover

1. Remove the battery compartment and battery as described in the Battery replacement chapter. (see 32, steps 1 to 4)
2. Use a Torx spanner (Torx T10) to loosen the cover screw and lift the cover slightly.
3. Pull the outer cover off at the bottom and push it upwards.

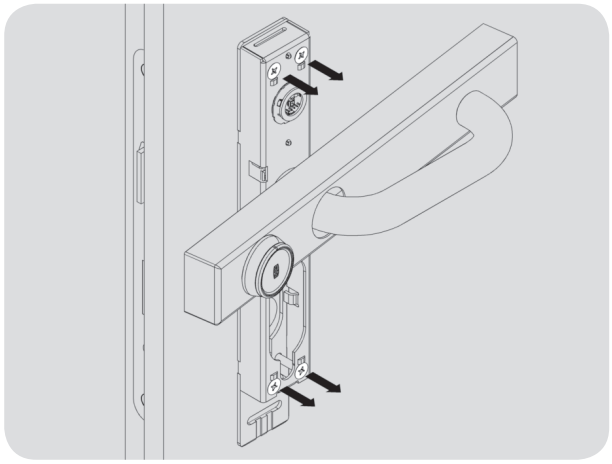
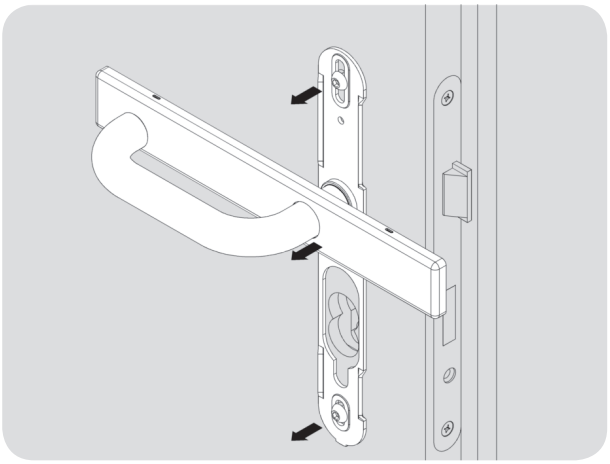


Fig. 43: Outer unit

4. Turn the outer cover around the handle.
5. Loosen the attachment screws (4 pcs.) and pull the unit off.

Removal of the Guardian inner fitting

Follow the steps below:

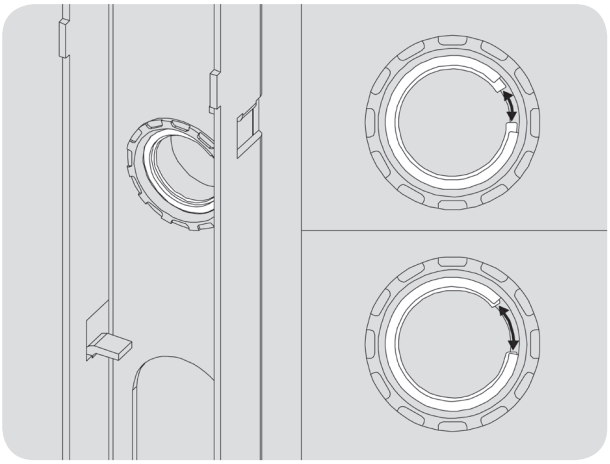


1. Screw the threaded pin out on the inside handle.
2. Insert the slot-head screwdriver into the slot at the bottom of the cover on the inside, lever the cover off and turn it.
3. Screw the screws on the inner base plate out and pull the unit off.

Fig. 44: Removal of the Guardian inner fitting

Removal of the Guardian handle

Please note! To loosen the easyfix attachment you must use pliers to unlock the quick fastening. We recommend the handle removal tool from DOM for this.



Press both wings of the easyfix attachment (lower ring) apart using the removal tool and exert gentle pressure to pull the handle out of the mount at the same time.

Fig. 45: easyfix attachment

STORAGE/CARE

If you store the Guardian cylinder for an extended period prior to installation or after use, store it in its original packaging in a dry, dust-free location in room temperature.

Caution! Material damage can be caused by the use of aggressive detergents. Do not use aggressive detergents, graphite or oil. Clean the housing and locking media only using a soft, damp leather cloth without detergent.

DISPOSAL

Please note that the Guardian consists in part of electronic components that require special disposal. During disposal, please always comply with all local environmental protection regulations.

You can return the components of your Guardian to the manufacturer in the original packaging.

TECHNICAL DATA

Please note! You can find the current technical data sheets on the website of DOM Sicherheitstechnik GmbH.

WARRANTY

See the general terms and conditions (T&C) from DOM or the general terms and conditions of your specialist retailer from whom you purchased the product for the warranty regulations.

If you have any further questions, please contact your national branch.

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Important note
This documentation is updated at regular intervals. The publisher is always grateful to receive notification of any errors or suggestions in respect of this documentation.

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