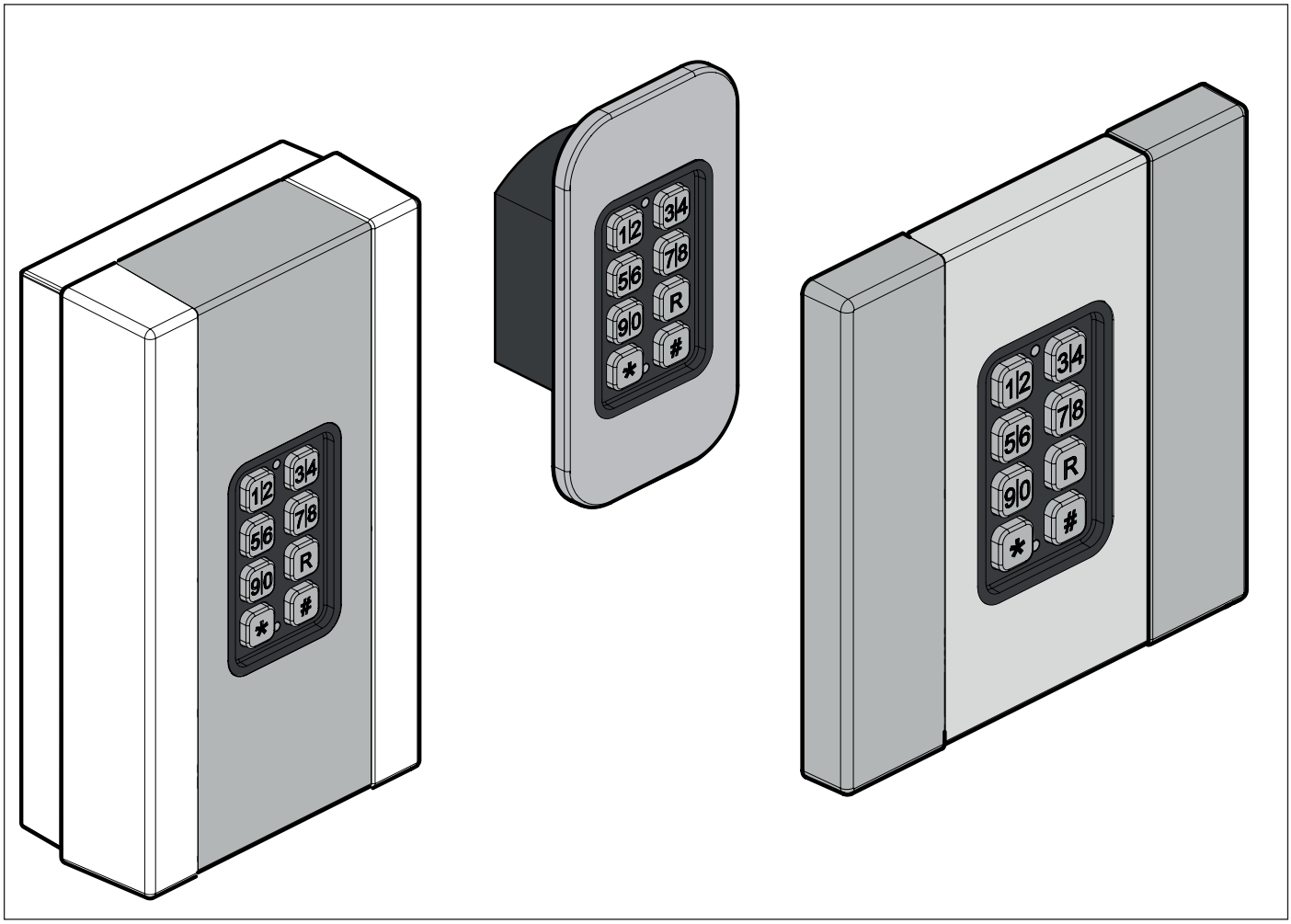

EN TRANSLATION OF THE ORIGINAL INSTALLATION AND OPERATING MANUAL

ENTRAcode+ FD

ENTRAcode+ UP

ENTRAcode+ AP

Space for warranty label

SOMloq2

Information on the product:
Serial No.: See the title page of the installation and operating manual (if applicable warranty label).

Year of manufacture: from 06.2018

Information on the Installation and Operating Manual
Version of the installation and operating manual:
ENTRAcode+_S11329-00001_112019-0-DRE-Rev-A_EN

Warranty
The warranty complies with statutory requirements. The contact person for warranties is the qualified dealer. The warranty is only valid in the country in which the device was purchased. There is no warranty for consumables such as batteries, accumulators and safety products or light bulbs. This also applies for wear parts.

Contact data
If you require after-sales service, spare parts or accessories, please contact your specialist retailer, your installer or contact:

SOMMER Antriebs- und Funktechnik GmbH
Hans-Böckler-Str. 21-27
D-73230 Kirchheim/Teck

www.sommer.eu
info@sommer.eu

Feedback on this Installation and Operating Manual
We have tried to make the Installation and Operating Manual as easy as possible to follow. If you have any suggestions as to how we could improve it or if you think more information is needed, please send your suggestions to us:

+49 (0) 7021 8001 - 403

doku@sommer.eu

Service
If you require service, please contact us on our service hotline (fee required) or see our web site:

+49 (0) 900-1800150

(0.14 euros/minute from land line telephones in Germany, mobile prices may vary)

www.sommer.eu/de/kundendienst.html

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All brands mentioned in this manual are the property of their respective manufacturer and hereby recognised as such.

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1. About this Installation and Operating Manual

1.1 Storage and circulation of the Installation and Operating Manual

Read this Installation and Operating Manual carefully and completely before installation, commissioning and operation and also before removal. Follow all warnings and safety instructions.

Keep this Installation and Operating Manual accessible at all times at the place of use.

A replacement for the installation and operating manual can be downloaded from **SOMMER Antriebs- und Funktechnik GmbH** at:
www.sommer.eu

During the transfer or resale of the product to third parties, the following documents must be passed on to the new operator:

- This installation and operating manual
- Documents recording retrofitting and repairs
- Proof of regular care, maintenance and testing
- Declaration of Conformity and Handover Report

1.2 Important for translations

This original Installation and Operating Manual was written in German. The other available languages are translations of the German version. You can get the original Installation and Operating Manual by scanning the QR code:

http://som4.me/
orig-ENTRAcode-plus-reva

For other language versions, see:

www.sommer.eu

1.3 Description of the product type

This product is a radio transmitter unit for the activation of radio receivers with verification of identity and authorisation. It has been constructed according to state-of-the-art technology and recognised technical regulations.

The following models are available:

Housing:

- Flush-mounted
- Surface-mounted
- FD with metal faceplate (for doors)

1.4 Target groups of the Installation and Operating Manual

The Installation and Operating Manual must be read and observed by everyone assigned with one of the following tasks or using the device:

- Installation
- Initial operation
- Settings
- Usage
- Care and maintenance
- Testing
- Troubleshooting
- Disassembly and disposal

1.5 Explanation of warning symbols and notes

The warnings in this installation and operating manual are structured as follows.

Hazard symbol

⚠ Signal word
Type and source of hazard
Consequences of the hazard
► Preventing/avoiding the hazard

The hazard symbol indicates the hazard. The signal word is linked to a hazard symbol. The hazard is classified into three classes depending on its danger level:

DANGER

WARNING

CAUTION

1. About this Installation and Operating Manual

There are three different classifications of hazards.

DANGER

Describes an immediate danger that leads to serious injury or death.

Describes the potential consequences of the danger to the user or other persons.

► Instructions on avoiding or preventing the danger.

WARNING

Describes a potential danger of serious injury or death

Describes the potential consequences of the danger to the user or other persons.

► Instructions on avoiding or preventing the danger.

CAUTION

Warns of a potentially dangerous situation.

Describes the potential consequences of the danger to the user or other persons.

► Instructions on avoiding or preventing the danger.

The following symbols are used for notes and information:

1.6 General safety instructions

Instructions which do not warn of an immediate risk but are important for general safe operation of the product are described in Chapter "Basic safety instructions for operation" on page 7.

NOTE

Describes additional information and useful notes for correct use of the product without endangering persons.
Failure to observe this information may lead to property damage or faults in the product or components connected to the product.

INFORMATION

Describes additional information and useful notes for optimum use of the product.

INFORMATION

This symbol indicates that components of the product which have been taken out of service must not be disposed of with household waste, as they contain hazardous substances. The components must be disposed of correctly at an authorised recycling centre. The local and national regulations must be observed.

INFORMATION

This symbol indicates that all old accumulators and batteries must not be disposed of with household waste. Old accumulators and batteries contain hazardous substances. They must be disposed of properly at municipal collection points or in the containers provided by dealers. The local and national regulations must be observed.

The following symbols are used in the figures and text.

Continue reading the installation and operating manual for more information.

Symbol refers to factory settings.

1.7 Special warnings, hazard symbols and mandatory signs

To specify the source of danger more precisely, the following symbols are used together with the above-mentioned hazard symbols and signal words. Follow the instructions to prevent a potential hazard.

DANGER

Danger due to electric current!

Contact with live parts may result in electric current flowing through the body. Electric shock, burns, or death may result.

► Installation, testing and replacement of electrical components must be carried out by a **trained electrician**.

The following mandatory signs inform the user that actions are required. The requirements described must be complied with.

1. About this Installation and Operating Manual

⚠ WARNING

Risk of eye injury!

Chips flying when drilling may cause serious injuries to the eyes.

► Wear safety glasses.

1.8 Information regarding the depiction of text

A. Stands for directions for an action

⇒ Stands for the results of the action

Lists are shown as a list of actions:

- List 1
- List 2

Important text items, for example in directions for actions, are emphasised in **bold** type.

References to other chapters or sections are in **bold** type, set in **"quotation marks"** and **underlined**.

1.9 Intended use

- The transmitter unit may only be used together with radio receivers from SOMMER Antriebs- und Funktechnik GmbH.
- The transmitter unit is suitable for SOMloq Rollingcode and SOMloq2 radio systems.
- The transmitter unit may only be used for devices and systems in which radio interference in the transmitter or radio receiver will not endanger people, animals or objects, or the risk is reduced by other safety devices.
- Remote control of devices and systems with increased accident risk (e.g. hoists) is prohibited!

The user of the radio system is not protected against interference due to other telecommunications equipment or devices. This includes radio-controlled systems that are licensed to operate in the same frequency range.
If significant interference occurs, please contact your appropriate telecommunications office which has radio interference measuring equipment or radio location equipment.

1.10 Improper use

Any use other than that described in Chapter **"Intended use" on page 6**constitutes improper use. The user bears the sole responsibility for any risk involved.

The manufacturer's warranty will be voided by:

- damage caused by other use and improper use
- use with defective parts
- unauthorised modifications to the product
- modifications and non-approved programming of the device and its components

The product must not be used in:

- areas with explosion hazard
- very salty air
- aggressive atmosphere, including chlorine

1.11 Declaration of Conformity

You can access the Declaration of Conformity for all radio technology products of SOMMER Antriebs- und Funktechnik GmbH by scanning the QR code below or via the URL shown beneath it.

som4.me/mrl

2. General safety instructions

2.1 Basic safety instructions for operation

DANGER

Danger due to electric current!

Contact with live parts may result in electric current flowing through the body. Electric shock, burns, or death may result.

- ► Installation, testing and replacement of electrical components must be carried out by a **trained electrician**.
- ► Disconnect the mains plug before working on electrical components.
- ► Then check that the equipment is disconnected from the power supply and secure it against being switched on again.

DANGER

Incorrect handling

Serious or even fatal injury may result if the product is used incorrectly.

- ► Systems that pose an accident risk should not be operated by remote control unless the complete range of movement of the system is visible to the user.
- ► The local safety regulations valid for the system must be observed. Information is available from electrical utility companies, VDE (Association for Electrical, Electronic & Information Technologies) and professional associations.
- ► Do not operate the ENTRAcode in areas with sensitive radio communications or systems (e.g. airplanes, hospitals).
- ► An alternative means of access must be provided in addition to the transmitter unit.
- ► The ENTRAcode must be connected in such a way that it is protected against unauthorised manipulation.

WARNING

Danger of hazardous substances!

Improper storage, use or disposal of accumulators and batteries are dangerous for the health of humans and animals.

- ► Accumulators and batteries must be stored out of the reach of children and animals.
- ► Keep batteries and accumulators away from chemical, mechanical and thermal influences.
- ► Do not recharge batteries.
- ► Old batteries, old accumulators and individual components of the device must be disposed of correctly and not with household waste.

NOTE

- ► Dispose of all components in accordance with local or national regulations to avoid environmental damage.
- ► The reset code is affixed to the core module or the housing. It must be removed and kept in a safe place. For further information on the reset code, see "7.11 Entering the reset code" on page 28

2.2 Instructions for cleaning

NOTE

The use of unsuitable cleaning agents can cause damage.

- ► Clean only with a clean, dry cloth.

3. Description of function and product

3.1 Application examples

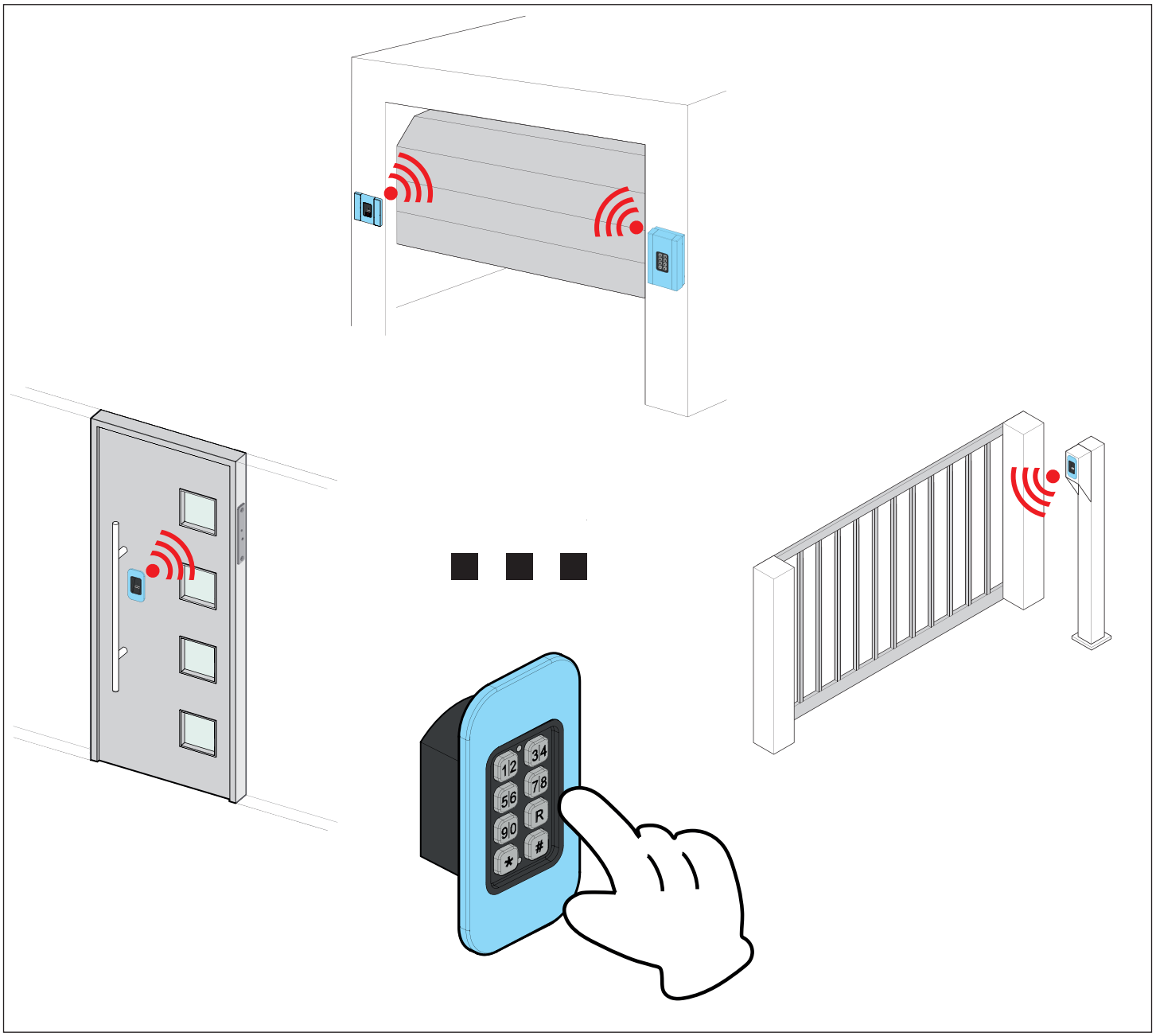


Fig. Application examples

With the transmitter unit, you can send radio commands to an additional radio receiver. Depending on the actuator connected, these commands trigger a specific event (e.g open a garage door, a house door etc.). A previously defined PIN code serves as authentication for transmission of the radio command. This means that only authorised persons can trigger the desired action.

3. Description of function and product

3.2 Product designation

NOTE

The type plate is on the side of the core module. In as-delivered state, it is concealed under the sticker with the reset code.

Fig. Product designation

The type plate includes:

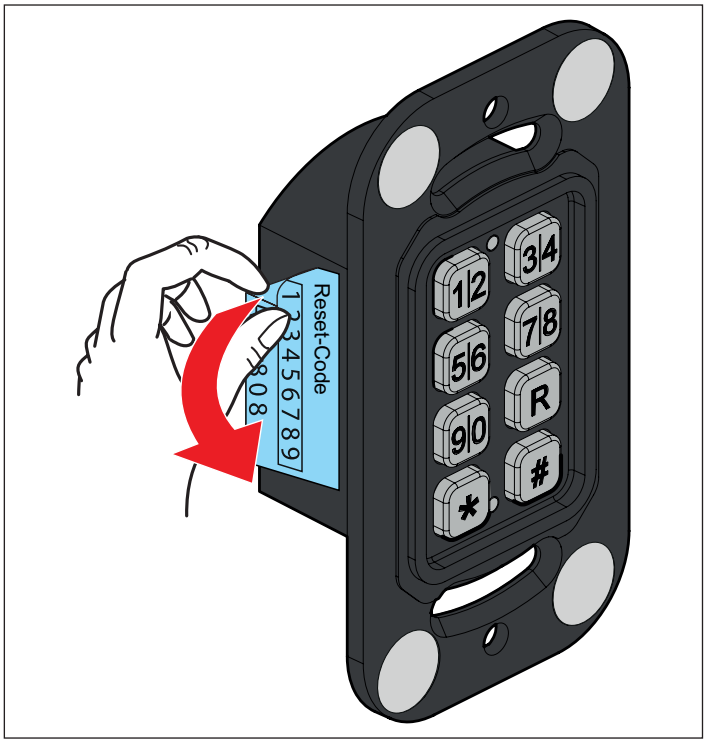
- Type designation
- Item Number
- Radio frequency
- Date of manufacture with month and year
- Serial number

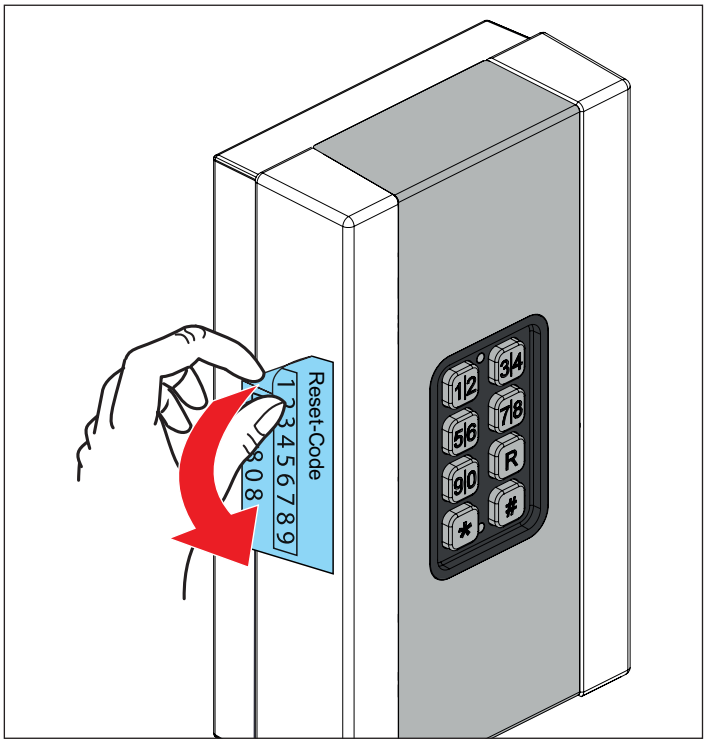
In case of questions or service, please supply the type designation, the date of manufacture and the serial number.

3.3 Reset code

NOTE

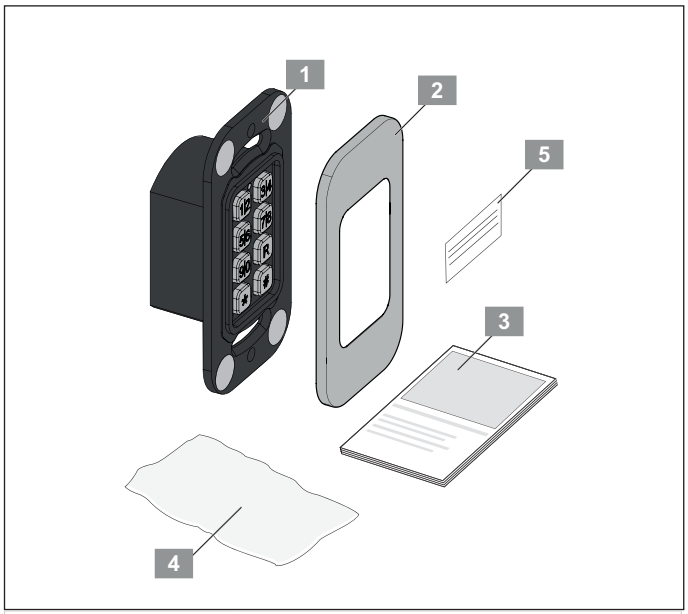
The reset code is affixed to the core module or the surface-mounted housing. It must be removed and kept in a safe place. For further information on the reset code, see "7.11 Entering the reset code" on page 28



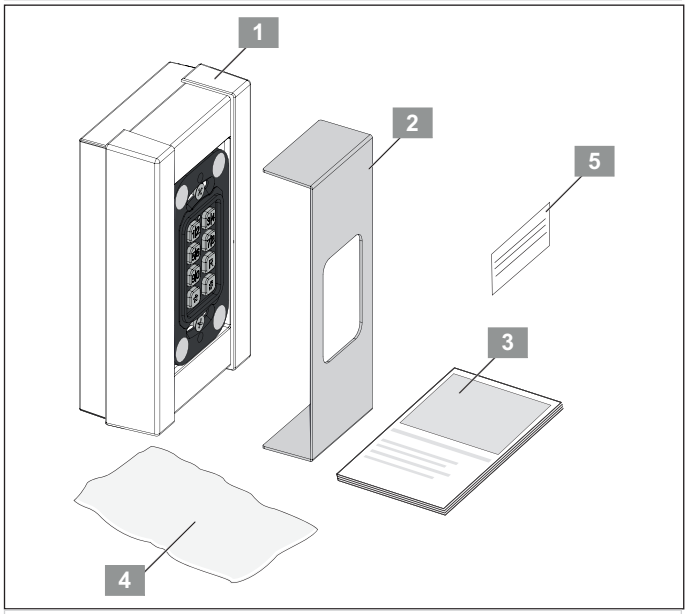


3. Description of function and product

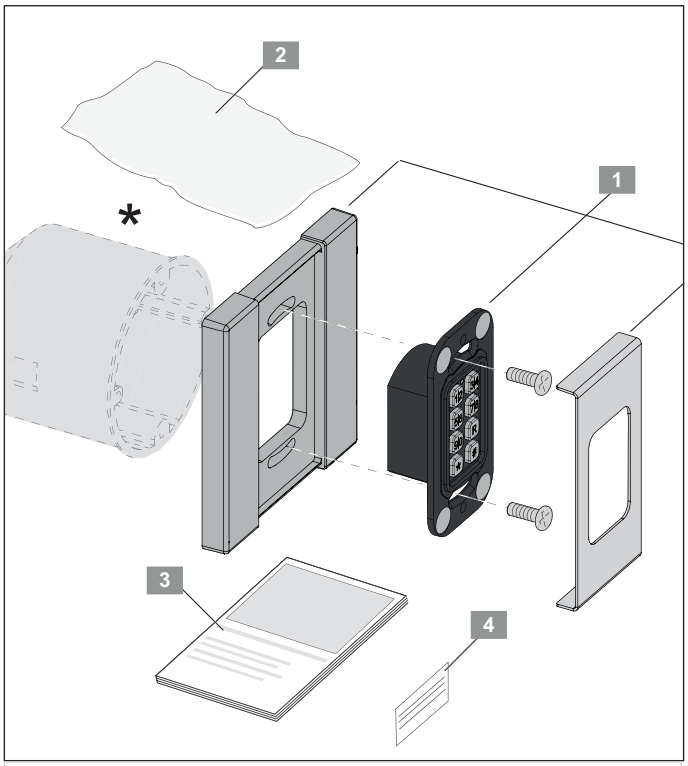
3.4 Scope of delivery



FD	
1	ENTRAcode+ core module
2	Faceplate with stainless-steel trim
3	Installation and Operating Manual
4	Installation bag for small parts
5	Sticker with reset code (2x)



AP	
1	ENTRAcode+
2	Faceplate with stainless-steel trim
3	Installation and Operating Manual
4	Installation bag for small parts
5	Sticker with reset code (2x)



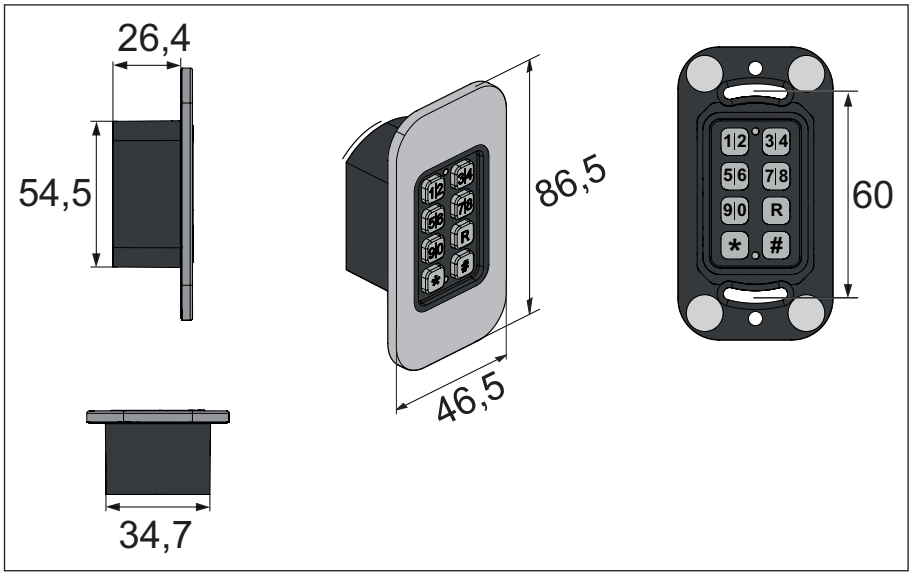
UP	
1	ENTRAcode+
2	Installation bag for small parts
3	Installation and Operating Manual
4	Sticker with reset code (2x)

* Flush-mounted box not included in the scope of delivery

3. Description of function and product

3.5 Dimensions

ENTRAcode+ FD



ENTRAcode+ UP

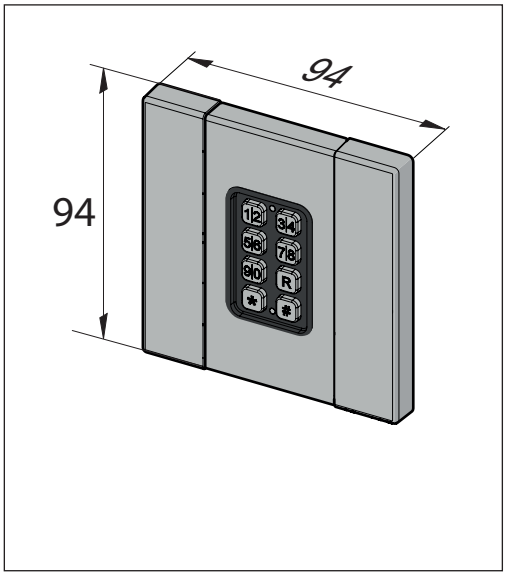


Fig. Dimensions of ENTRAcode+ FD / UP (all dimensions are in mm)

ENTRAcode+ AP

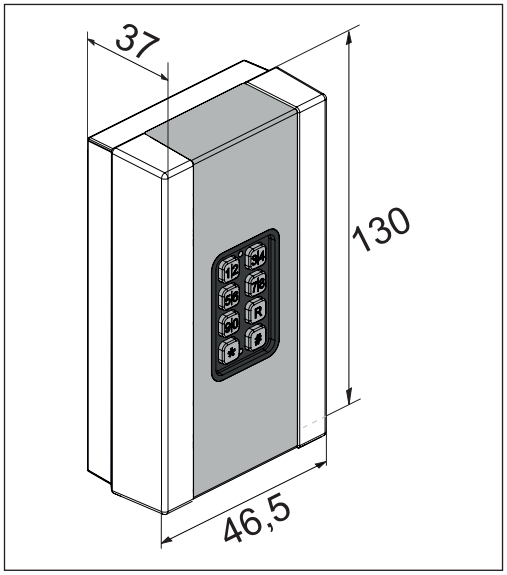


Fig. Dimensions of ENTRAcode+ AP (all dimensions are in mm)

3. Description of function and product

Radio receiver ENTRAsys+ RX

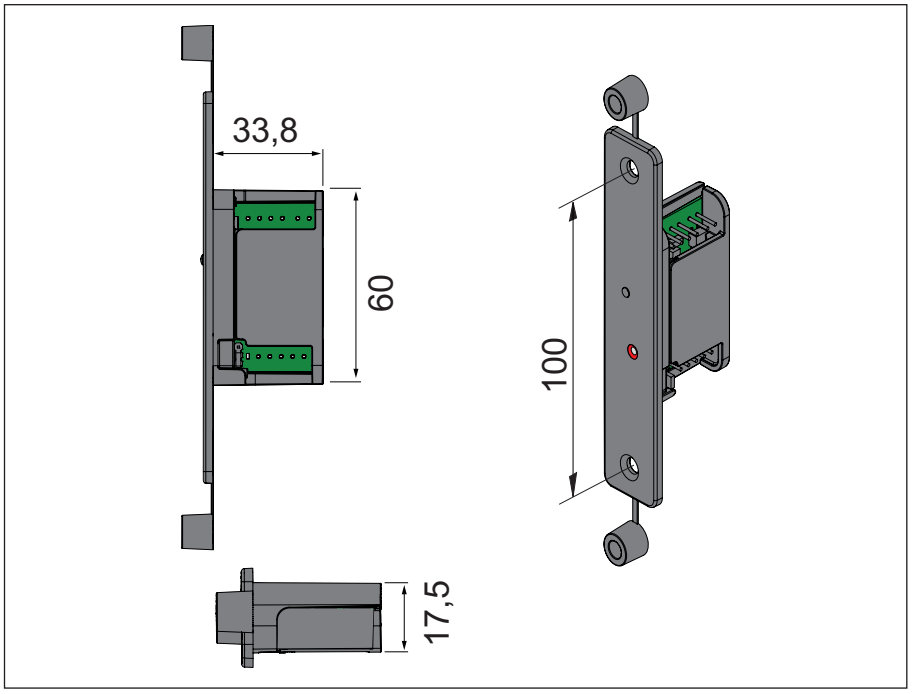


Fig. Dimensions of radio receiver (all dimensions are in mm)

3. Description of function and product

3.6 Technical data

Core module ENTRAcode+	
Supply voltage	12 V AC / 8 - 24 V DC
Max. current consumption (at 12 V DC)	1.0 mA
Operating temperature range	Mains-operated devices: - 25 °C ... 65 °C
	Battery-operated devices: - 20 °C ... 55 °C ENTRAcode+ AP
IP protection class	IP 65
Encryption	128 bit AES

Radio receiver ENTRAsys+ RX	
Supply voltage	8 - 24 V AC / DC
Max. current consumption	14 mA
Max. switching capacity	2.5 A AC / DC
Memory locations	112
Pulse duration	3 s (factory setting - can be set via SOMlink) Toggle optional Timer optional (can be set via SOMlink)
Door opener contact (potential-free)	Connectible
Door opening pulse (non-floating)	6 ... 24 V AC / DC connectible

Radio (core module and receiver)	
Frequency	868.95 MHz (868.3 MHz, 922.5 MHz)*
Encryption	128 bit AES
Radio commands	Standard: 1
	Extended mode: max. 5
Radio channels (receiver)	1
Radio range	Approx. 25 m

* Various radio frequencies can be supplied, depending on the country of destination

4. Tools and protective equipment

4.1 Required tools

NOTE

- ► The tools shown are only the recommended minimum equipment for the installation of an ENTRAcode+.
- ► The actual tools needed may vary depending on the device model and the mounting surface.

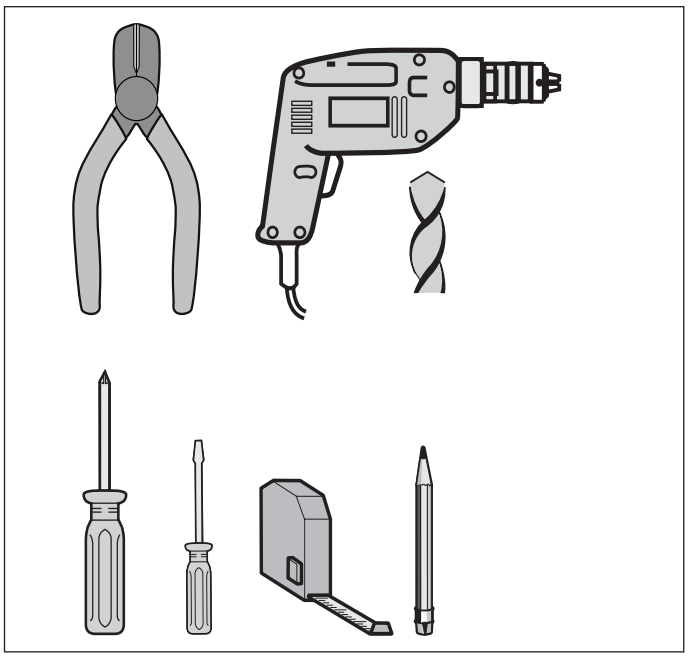


Fig. Recommended tools

4.2 Personal protective equipment

⚠ WARNING

Risk of eye injury!

Chips flying when drilling may cause serious injuries to eyes and hands.

- ► Wear safety glasses when drilling.

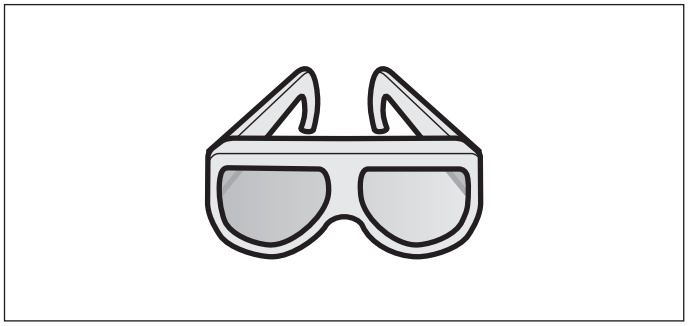


Fig. Personal protective equipment

5. Installation

5.1 Installing the core module

WARNING

Risk of eye injury!

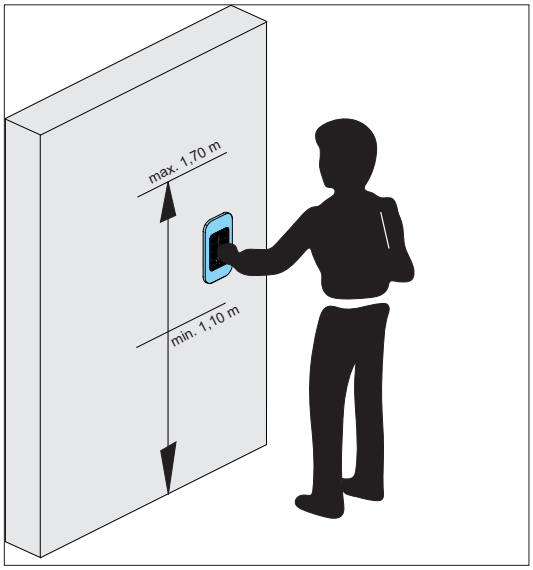
Chips flying when drilling may cause serious injuries to eyes and hands.

► Wear safety glasses when drilling.

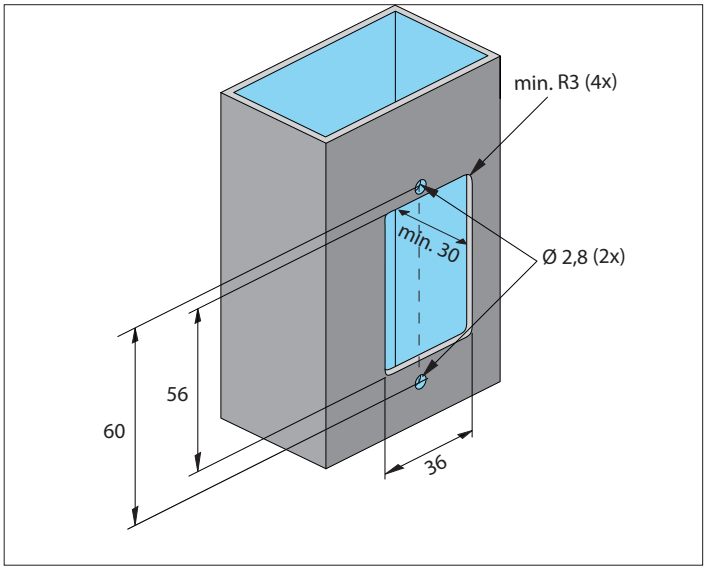
NOTE

► Observe the correct installation height for convenient operation of the ENTRAcode+.

► Normally, there are 2 reset code stickers affixed to the core module. These must be removed and kept in a safe place (installation instructions, door rebate...).

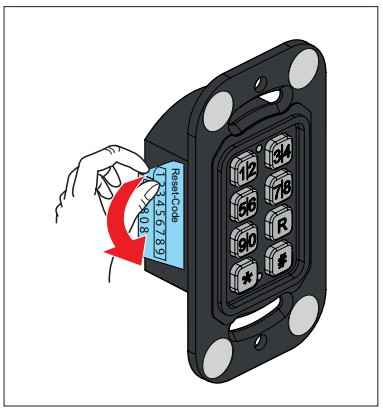


A. Open the package.
Check the entire contents against the scope of delivery, see chapter **"3.4 Scope of delivery" on page 10**.

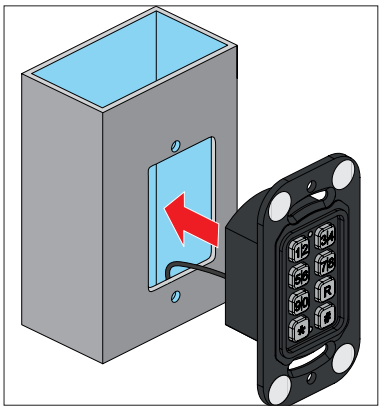


B. Prepare the recess for the core module.

C. Drill the holes for mounting.

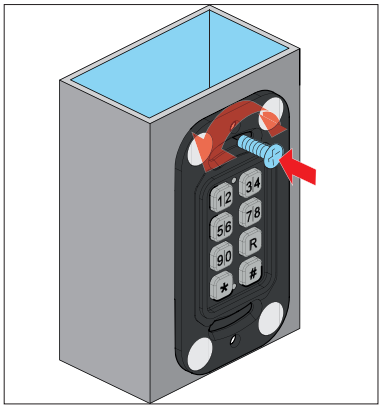


D. Remove the sticker with the reset code and place it in a safe, protected location indoors.



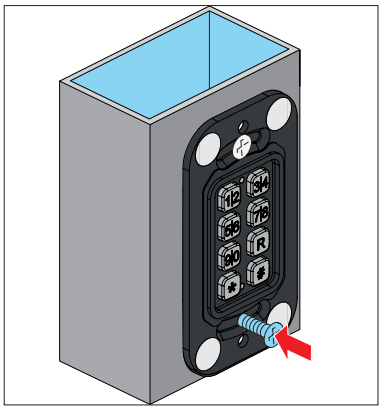
E. Insert the core module.

5. Installation

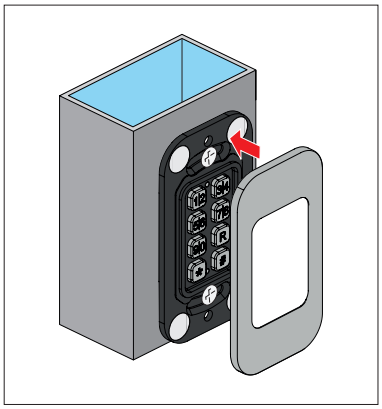


F. Attach the core module at the top.

G. Align the core module vertically.

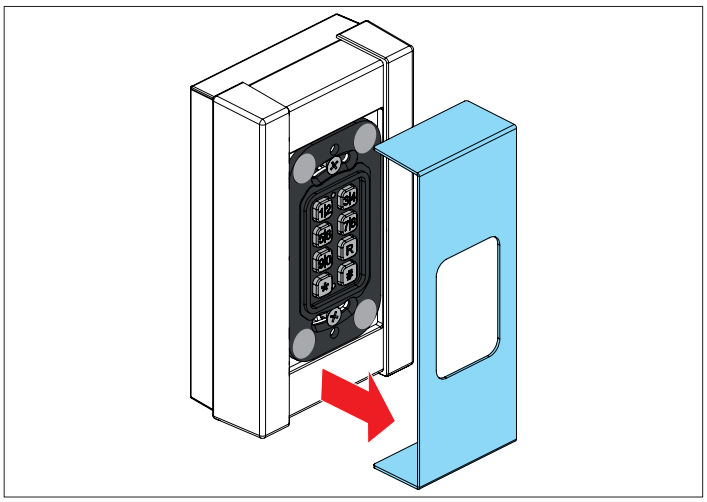


H. Attach the core module at the bottom.

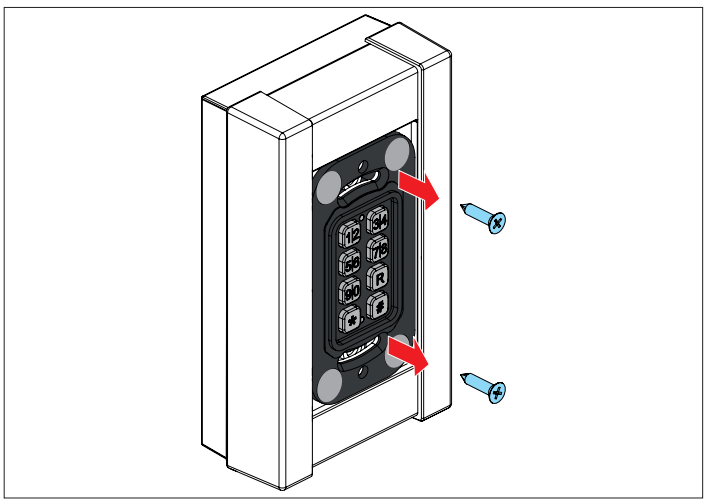


I. Fit the magnetic faceplate.

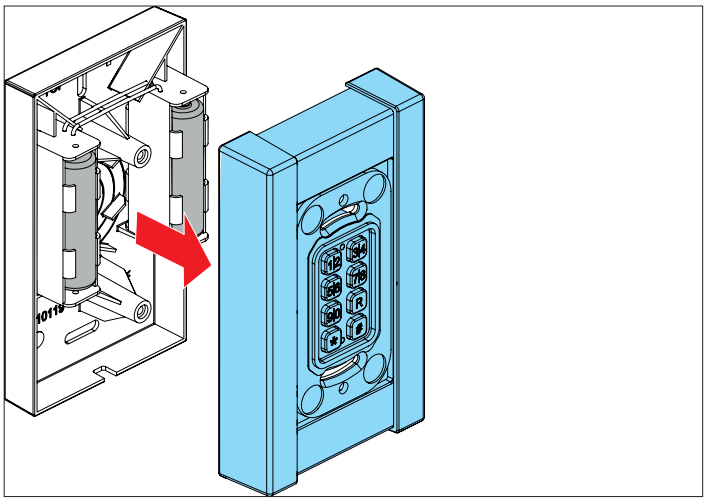
5.2 Installing the ENTRAcode+ AP



A. Remove the magnetic faceplate.

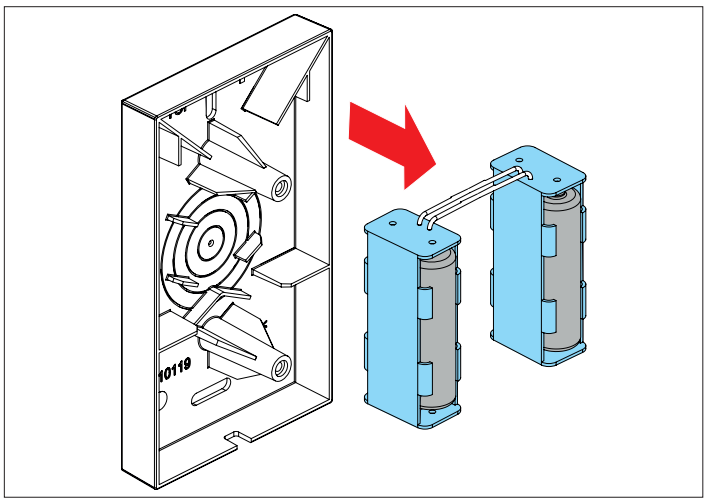


B. Unscrew the screws.

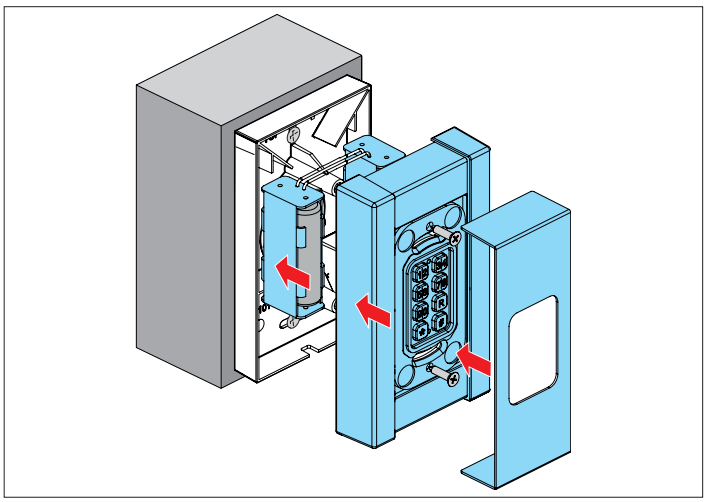


C. Lift off the upper housing section including the core module. Pay attention to the cables (do not disconnect the core module from the batteries).

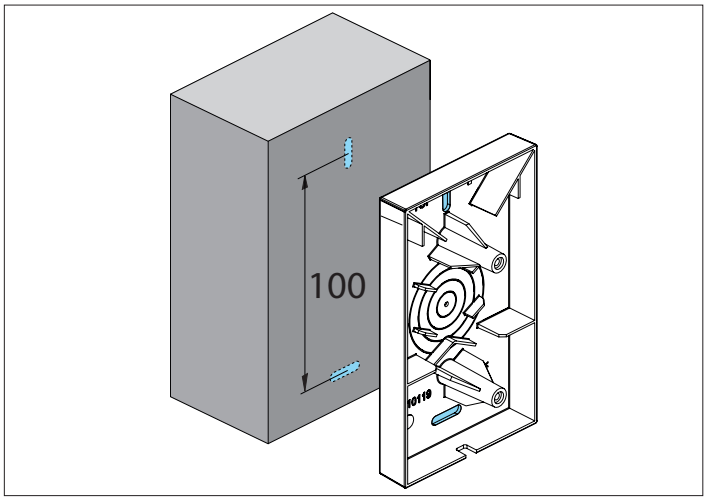
5. Installation



D. Remove battery holders with batteries and place to one side.

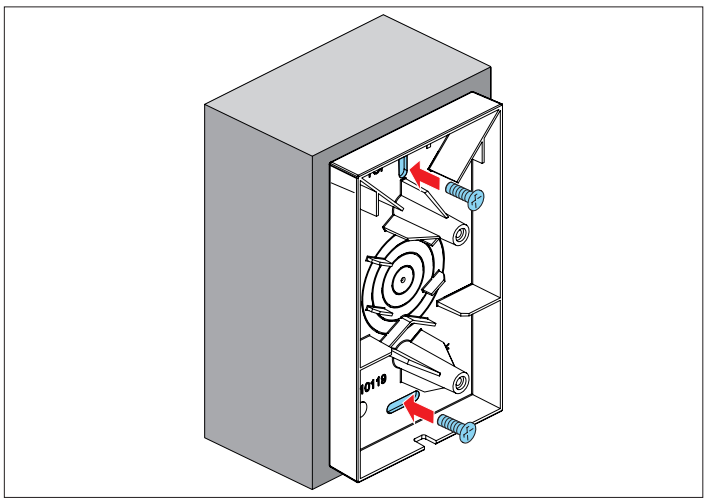


H. Assemble in reverse order.



E. Mark the position of the holes for mounting.

F. Drill the holes for mounting.



G. Attach the housing upper section with installation material suitable for the subsurface.

5. Installation

5.3 Installing the ENTRAsys+ RX

NOTE

A separate installation and operating manual and a wiring diagram showing the example of connection to a house door are enclosed with the radio receiver ENTRA-sys+ RX.

Installation instructions and wiring diagrams are available in the download area:

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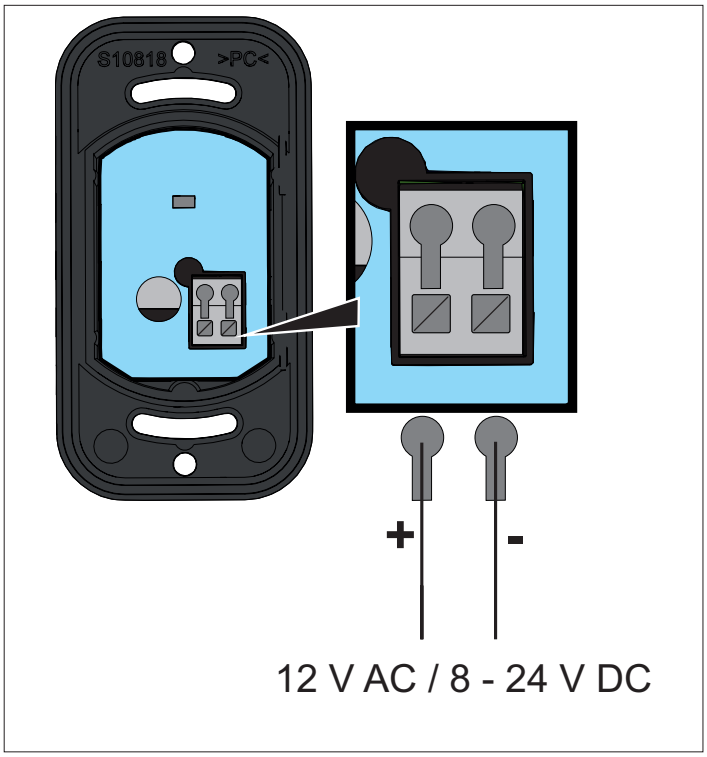
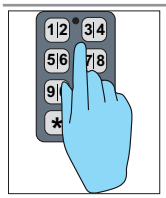
5.4 Electrical connection



6. Operation / Use

6.1 Meaning of the illustrations in this manual

Illustration	Description
	Press figure 1
	Press figure 2
etc.	
	Enter sequence of figures

7. Operation / Use

7.1 The control element

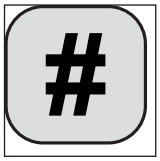
Buttons	Description
1 - 9	Figures for entry of the code
R	R key for changing the operating mode
*****	* key
#	# key (on ENTRAcode+ AP: Wakes the device from power-saving mode)
🟢	Green LED
🔴	Red LED

7. Operation / Use

7.2 Unlocking the ENTRAcode+

NOTE

In as-delivered state, the ENTRAcode+ is locked and no input is possible. The device must be unlocked before initial commissioning.



► Press and hold the **#** key.

⇒ Green LED blinks quickly.

⇒ Red LED lights up.

⇒ Red LED blinks slowly.

⇒ Backlighting is activated.

⇒ The device has been unlocked.

7.3 Operating mode

NOTE

The ENTRAcode+ can be operated in two different modes.

If the ENTRAcode is to be used for only one application, it can be operated in the Standard mode set at the factory.

► For details of Standard mode, see **"7.5 Standard mode" on page 22**.

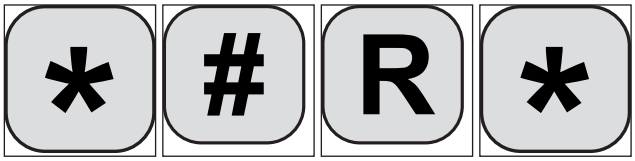
If the ENTRAcode+ is to be used for more than one application, it must be switched to the Extended mode before initial commissioning.

► Extended mode, see **"7.6 Extended mode" on page 23**.

► In order to change the operating mode, the ENTRAcode+ must be in the factory settings.

► On the battery-operated version ENTRAcode+ AP, first press the **#** key to wake the device from power-saving mode.

Changing the operating mode



► Enter the key combination above in the order shown

⇒ Red LED blinks

⇒ Operating mode has been changed

7. Operation / Use

7.4 Changing the PIN code

NOTE

Each ENTRAcode+ is programmed with the same standard PIN codes at the factory.

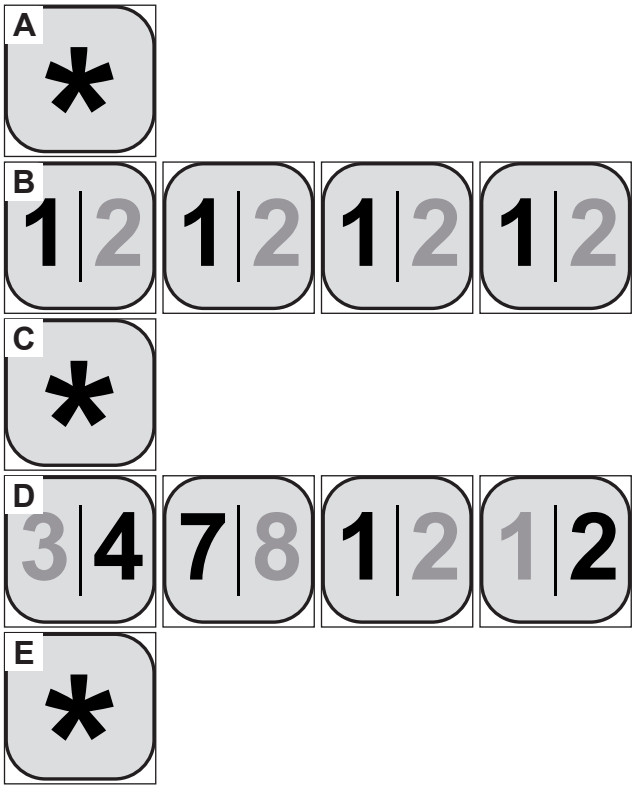
"7.5 Standard mode" on page 22

"7.6 Extended mode" on page 23

For security reasons, the standard PIN codes must be changed before programming on a radio receiver!

- ► On the battery-operated version ENTRAcode+ AP, first press the **#** key to wake the device from power-saving mode.

S. **"Entering a sequence of digits in Standard mode" on page 23**



A. Press the ✱ key.

B. Enter current PIN code.

C. Press the ✱ key.

D. Enter new PIN code (in the example shown here, 4712).

E. Press the ✱ key.

⇒ The PIN code has been changed.

7.5 Standard mode

NOTE

Standard mode is the simplest way to operate the ENTRAcode+.

- ► Only one radio command is available, for example Open a house door **or** Open a garage door.
- ► It is not necessary to pay attention to the double assignment of the keys when entering a sequence of digits. (Exceptions: Entering the reset code, see **"7.11 Entering the reset code" on page 28**).

  Setting a transmission delay time, see **"7.8 Setting the transmission delay" on page 26.**
- ► Changing the operating mode **"Changing the operating mode" on page 21**.

Features of Standard mode	
Radio commands	1
Maximum code length	8 digits
PIN code	1111

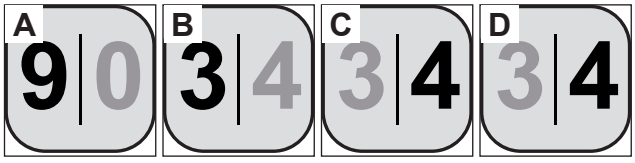
7. Operation / Use

Entering a sequence of digits in Standard mode

NOTE

- ► It is not necessary to pay attention to the double assignment of the keys. You only need to press the key once, irrespective of whether you wish to enter the first or second digit on the key.
- ► While a key is pressed, the green LED blinks quickly.
- ► Entry of a sequence of digits can be terminated by pressing the **#** key.
- ► On the battery-operated version ENTRAcode+ AP, first press the **#** key to wake the device from power-saving mode.
- ► If an invalid PIN code is entered, the red LED blinks for approx. 3 seconds (only after entry of an 8-digit sequence).
- ► If an invalid PIN code is entered three times (3 x 8 digits), both the red and the green LED blink for approx. 10 seconds.

To enter the sequence **9344**, proceed as follows:



A. Press the **9 I 0** key once.

⇒ Green LED blinks quickly while the key is being pressed.

B. Press the **3 I 4** key once.

⇒ Green LED blinks quickly while the key is being pressed.

C. Press the **3 I 4** key once.

⇒ Green LED blinks quickly while the key is being pressed.

D. Press the **3 I 4** key once.

⇒ Green LED blinks quickly while the key is being pressed and afterwards.

⇒ Green LED lights up when a radio command is transmitted.

⇒ Sequence 9344 has been entered.

7.6 Extended mode

NOTE

In Extended mode, more than one application is available. For example, the ENTRAcode+ can be used with one command that opens a house door **and** another command that opens a garage door.

- ► A total of 5 radio commands are available.
- ► The first digit of the PIN code always stands for the radio command which is to be transmitted.

1 2 = radio command 1 **3 4** = radio command 2

5 6 = radio command 3 **7 8** = radio command 4

9 0 = radio command 5

- ► The remaining 7 digits are freely selectable.
- ► All digits (0 - 9) are available for the remaining positions of the PIN code.
- ► It is necessary to observe the double assignment of the keys when entering a sequence of digits.
- ► When entering the digits, wait for >1 second before pressing the next digit in each case. Entering the digits too quickly could be registered as a "double-click" and lead to incorrect entries.
- ► Changing the operating mode **"Changing the operating mode" on page 21**.

7. Operation / Use

Features of Extended mode	
Radio commands	5
Maximum code length	8 digits
PIN codes	
Command 1	1111
Command 2	3333
Command 3	5555
Command 4	7777
Command 5	9999

Entering a sequence of digits in Extended mode

NOTE

- ► In Extended mode, it is necessary to pay attention to the double assignment of the keys.
- ► The first digit of a PIN code always stands for the radio command which is to be transmitted.
- ► While a key is pressed, the green LED blinks quickly.
- ► Entry of a sequence of digits can be terminated by pressing the **#** key.

Selecting the first digit on a key

NOTE

- ► On the battery-operated version ENTRAcode+ AP, first press the **#** key to wake the device from power-saving mode.

► Press the desired key briefly.

⇒ Red LED lights up.

⇒ Red LED goes out.

⇒ The digit **3** has been entered.

Selecting the second digit on a key

NOTE

In order to select the second digit on a key with double assignment, it is necessary to carry out a "double-click".

A. Press the desired key briefly.

⇒ Red LED lights up (< 1 second).

B. Press the key again while the red LED is lit.

⇒ The digit **4** has been entered.

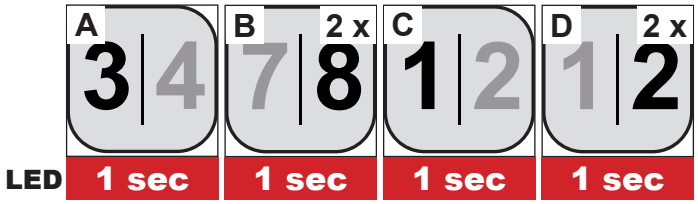
7. Operation / Use

Example of entry of a sequence of digits with double-assigned keys

NOTE

- ► A 4-digit sequence will be entered.
- ► The first digit (3) stands for the second radio command.
- ► The remaining 3 digits are the PIN code.

To enter the sequence **3812** in Extended mode, proceed as follows:



A. Press the **3 I 4** key briefly.

⇒ Red LED lights up.

⇒ The digit 3 has been entered.

⇒ Channel 3 is selected.

B. Press the **7 I 8** key briefly.

⇒ Red LED lights up (< 1 second).

► Press the **7 I 8** key again briefly while the red LED is lit.

⇒ Red LED goes out.

⇒ The digit **8** has been entered.

C. Press the **1 I 2** key briefly.

⇒ Red LED lights up.

⇒ The digit **1** has been entered.

D. Press the **1 I 2** key briefly.

⇒ Red LED lights up (< 1 second).

► Press the **1 I 2** key again briefly while the red LED is lit.

⇒ Red LED goes out.

⇒ The digit **2** has been entered.

⇒ Red LED lights up when a radio command is transmitted.

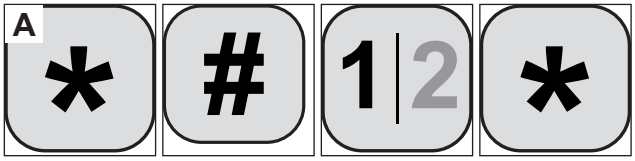
7.7 Setting the active time

NOTE

When this function is activated, the radio command can be sent again within 20 seconds after entry of a valid PIN code by pressing any key on the keypad.

Application example: Stopping a garage door quickly

- ► The red LED flashes cyclically while the active time is running down.
- ► Cab be used in both operating modes
- ► In order to activate the active time on the battery-operated version ENTRAcode+ AP, first press the **#** key to wake the device from power-saving mode.



► Enter the key combination above in the order shown.

⇒ Active time has been activated.

7. Operation / Use

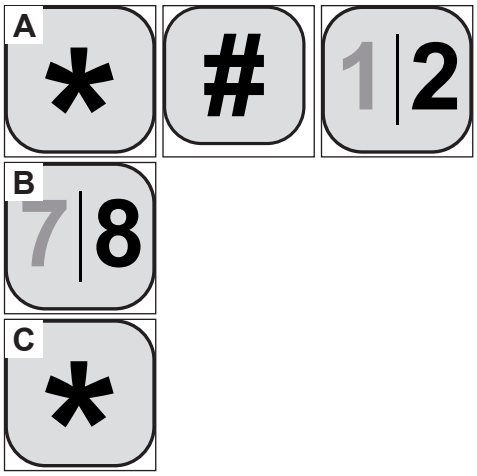
7.8 Setting the transmission delay

NOTE

After activation of this function and following entry of the PIN code, the radio command is only transmitted after the expiry of a selectable period of time.

Application example: It is necessary to cover a certain distance to the door or the gate after entering the PIN code.

- ► Setting range 0 - 9 seconds.
- ► Set 0 to deactivate the function.
- ► It is necessary to observe the double assignment of the keys here, irrespective of the operating mode **"Entering a sequence of digits in Extended mode" on page 24.**
- ► The green LED flashes while the transmission delay time is running down.
- ► Can be used in both operating modes.
- ► On the battery-operated version ENTRAcode+ AP, first press the **#** key to wake the device from power-saving mode.



A. Enter the key combination above in the order shown.

B. Enter the desired transmission delay time in seconds (in the example here, 8 seconds).

C. Press the * key.

⇒ The transmission delay has been set.

7.9 Programming the device on a radio receiver

NOTE

- ► See the instructions for the radio receiver or the operator for the correct procedure for selecting the desired channel on the radio receiver, setting it to programming mode and the correct response of the LED on the radio receiver during the various phases of the programming process.
- ► During programming, the receiver must be located within the range of the transmitter.
- ► On the battery-operated version ENTRAcode+ AP, first press the **#** key to wake the device from power-saving mode.
- ► The radio receiver shown here serves as an example. The key is located in a different position on each other radio receiver. See the instructions for the receiver for information on the exact position of the key and on channel selection on multi-channel receivers.

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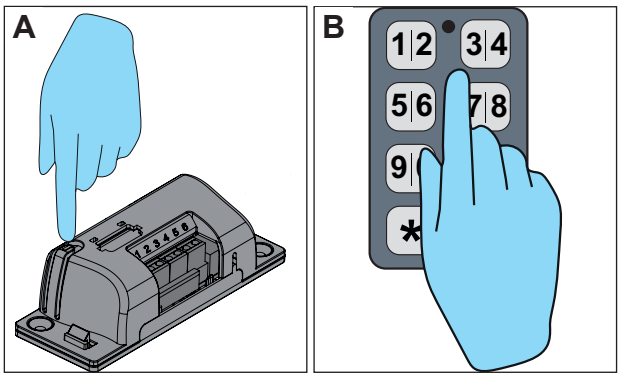

A. Set receiver to programming mode.

B. Enter correct PIN code.

⇒ Green LED on the ENTRAcode+ lights up while the radio command is being transmitted.

⇒ Red LED on the receiver lights up when the radio command has been received.

⇒ The radio command has been programmed on the receiver.

7. Operation / Use

7.10 Access Control

NOTE

The security function "Access Control" can be used in both operating modes.

Here, a radio command is sent to a separate radio receiver after 3 attempts to enter an invalid 8-digit PIN code. It can be used, for example, to activate a camera or an alarm system.

- **During programming of the Access Control radio command, no radio receiver which, for example, opens a gate or a door may be in programming mode, as the Access Control command will then be programmed to that receiver. This would mean that the gate / the door opens after entering 3 invalid 8-digit PIN codes.**
- Make sure that only the separate radio receiver intended for the Access Control function is in programming mode when the Access Control command is transmitted.
- On the battery-operated version ENTRAcode+ AP, first press the **#** key to wake the device from power-saving mode.
- The radio receiver shown here serves as an example. The key is located in a different position on each other radio receiver. See the instructions for the receiver for information on the exact position of the key and on channel selection on multi-channel receivers.
- Can be used in both operating modes.

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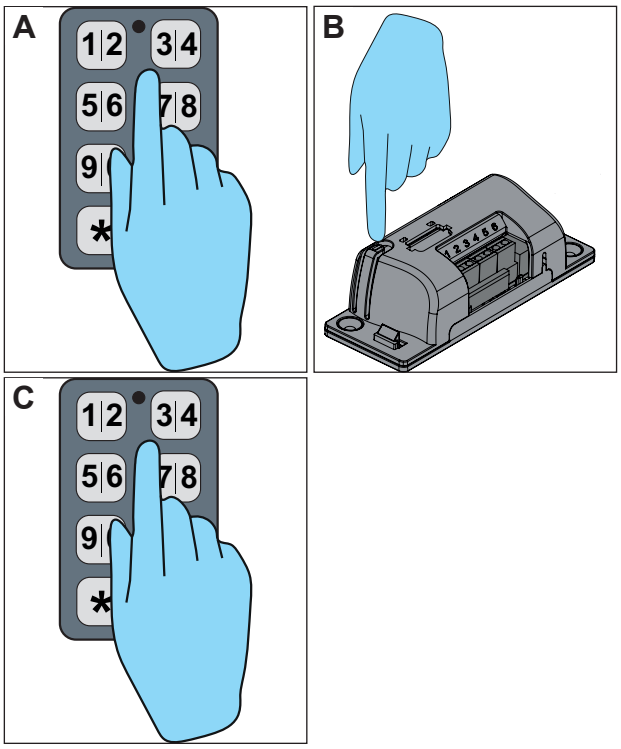
Programming the Access Control command to a separate radio receiver

NOTE

On the battery-operated version ENTRAcode+ AP, first press the # key to wake the device from power-saving mode.



A. Enter a random, invalid 8-digit PIN code twice in succession.

B. Set receiver to programming mode.

C. Enter a random 8-digit PIN code again.

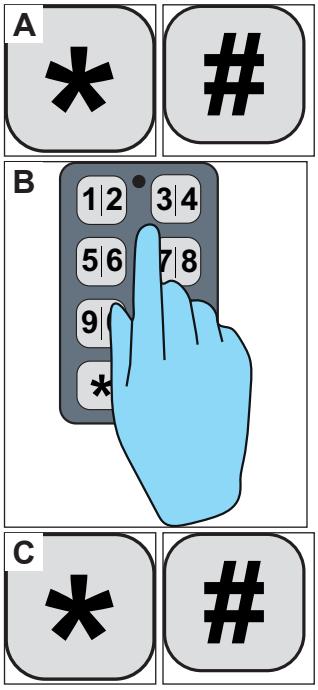
⇒ The radio command is programmed on the receiver.

7. Operation / Use

7.11 Entering the reset code

NOTE

- In as-delivered state, the 9-digit reset code can be found on the housing of the ENTRAcode+. This code must be kept in a safe place.
- Entering the reset code resets the ENTRAcode+ to the factory settings.
- The factory PIN codes are then valid again.
- Set transmission delay is deactivated.
- Set active time is deactivated.
- Standard mode is activated.
- If one of the digits entered was incorrect, the ENTRAcode+ blinks red several times after input of the ninth digit and then switches off.
  The process must then be repeated from the beginning.
- On the battery-operated version ENTRAcode+ AP, first press the **#** key to wake the device from power-saving mode.



A. Press the * key, then press the **#** key.

B. Enter the reset code.

C. Press the * key and then the **#** key again.

⇒ The factory settings have been successfully restored.

8. Troubleshooting

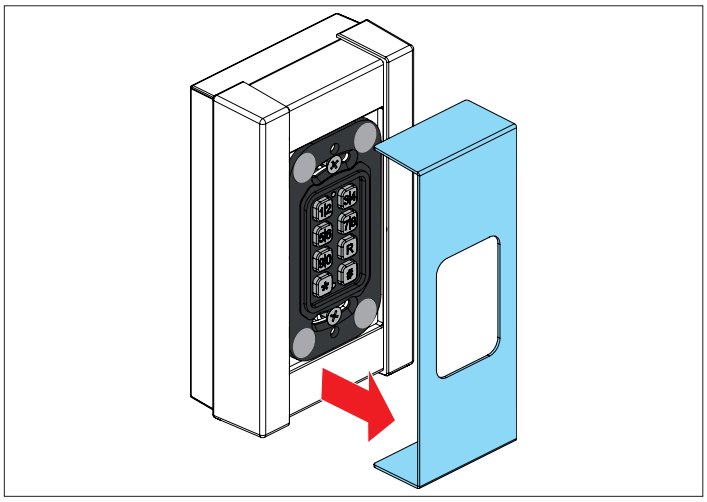
8.1 Replacing the battery

WARNING

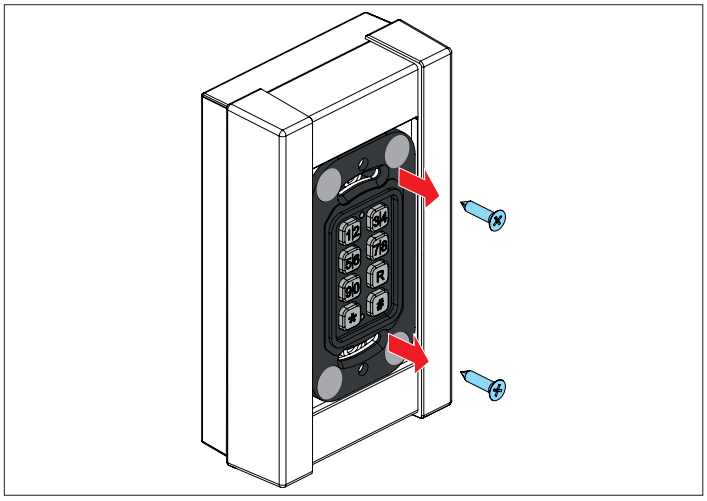
Danger of hazardous substances!

Improper storage, use or disposal of accumulators and batteries are dangerous for the health of humans and animals.

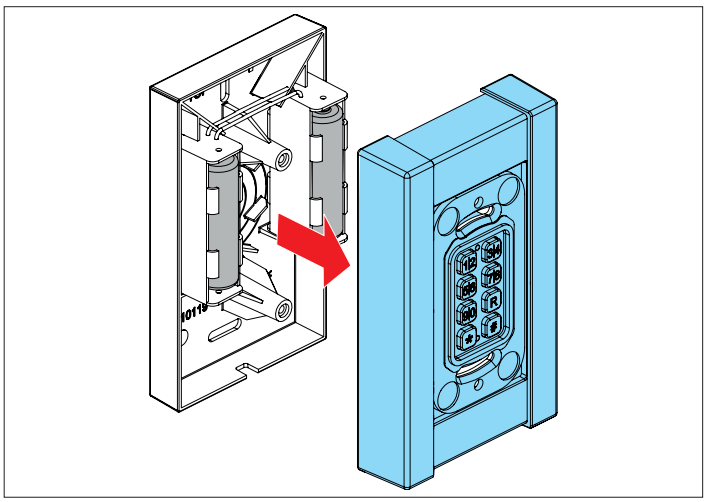
- ► Accumulators and batteries must be stored out of the reach of children and animals.
- ► Keep batteries and accumulators away from chemical, mechanical and thermal influences.
- ► Do not recharge batteries.
- ► Old batteries, old accumulators and individual components of the device must be disposed of correctly and not with household waste.



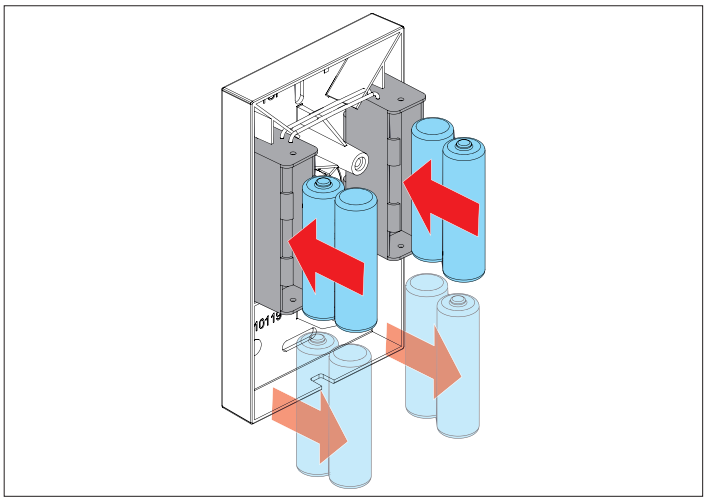
A. Remove the magnetic faceplate.



B. Unscrew the screws.

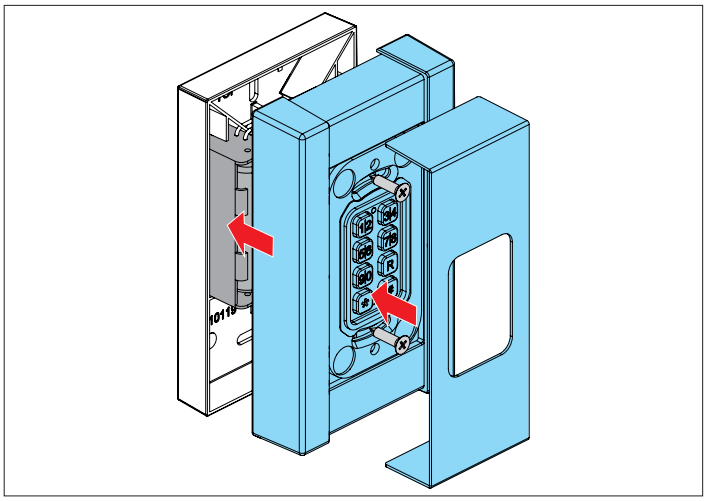


C. Lift off the upper housing section including the core module. Pay attention to the cables (do not disconnect the core module from the batteries).



D. Remove the old batteries.

E. Insert the new batteries.



F. Assemble in reverse order.

8. Troubleshooting

8.2 Troubleshooting

NOTE

If faults occur which cannot be remedied by reprogramming or by restoring the factory settings, please contact your specialist retailer or the technical hotline of SOMMER Antriebs- und Funktechnik GmbH

- ► If the device is without function after connection to the mains, check the polarity and correct the connection if necessary, see **"5.4 Electrical connection" on page 18**.
- ► If the battery-operated version ENTRAcode+ AP is suddenly without function, check whether the battery charge is sufficient and replace the batteries if necessary. See **"8.1 Replacing the battery" on page 29**.

Technical hotline of SOMMER Antriebs- und Funktechnik GmbH:

+49 (0) 900-1800150

(0.14 euros/minute from land line telephones in Germany, mobile prices may vary)

www.sommer.eu/de/kundendienst.html

9. Taking out of operation, storage and disposal

9.1 Taking out of operation

Follow the basic safety instructions listed below.

Persons under the influence of drugs, alcohol, or medications that can influence their ability to react may **not** work on the device.

The device may only be disassembled by a qualified specialist.

DANGER

Danger due to electric current!

Contact with live parts may result in electric current flowing through the body. Electric shock, burns, or death may result.

- ► Electrical components may only be removed by a **trained electrician**.
- ► Disconnect the mains plug before working on electrical components.
- ► Then check that the equipment is disconnected from the power supply and secure it against being switched on again.

9.2 Storage

Store the packaging units as follows:

- in enclosed, dry rooms so that they are protected from moisture
- at a storage temperature from +5 °C to +45 °C

NOTE

Improper storage may damage the device. The device must be stored in closed and dry rooms.

9.3 Disposal of waste

Observe the instructions for disposal of the packaging, components and batteries.

DANGER

Danger of hazardous substances!

Improper storage, use or disposal of batteries and device components pose a risk to the health of humans and animals.

- ► Store accumulators and batteries out of the reach of children and animals.
- ► Keep batteries and accumulators away from chemical, mechanical and thermal influences.
- ► Do not recharge old accumulators and batteries.
- ► Old batteries, old accumulators and device components may not be disposed of with household waste. They must be disposed of properly.

NOTE

Dispose of all components in accordance with the locally applicable regulations.

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