



# **SOREX Door Phone & Code**

## User manual

Product Code: DO101000C02



Dear customer,

thank you for buying our SOREX Door Phone and Code. This innovative entry system allows you to open your doors via mobile phone or by typing in a code on a numerical keyboard.

By deciding to use the Sorex Door Phone and Code, you have received a comfortable, keyless access system.

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## 1. Delivery Contents

After reception of the goods please check, if the scope of supply is complete. Included are:

- SOREX Door Phone and Code module
- Front panel in your ordered colour
- Relay cable
- Quick starting guide
- Rubber gasket ring (only included if ordered with PVC Front panel)
- Instructions for testing of functionality
- Wiring plan
- Envelope with Test-PIN (for use of electrician). Inside are two stickers (see **Figure 1** and **Figure 2**) with the Admin-PIN (only for end user)



**Figure 1: Sticker with Test-PIN (for use of electrician)**



**Figure 2: Sticker with Admin-PIN (only for end user)**

The power adapter is not included in delivery.

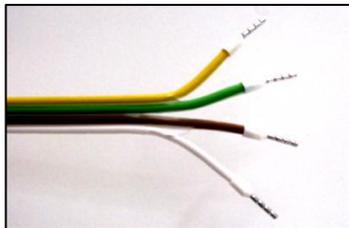
## 2. Assembly

### 2.1 Cable functions

The SOREX Door Phone & Code can be installed either directly on the door panel or on the wall next to the door.

The function of the single cables are described in **Figure 3** and in the table below.

<b>Yellow</b>	Potential-free relay contact (max. 60V; 0.5A)
<b>Green</b>	Potential-free relay contact (max 60V; 0.5A)
<b>Brown</b>	9-24 VDC power supply negative
<b>White</b>	9-24 VDC power supply positive

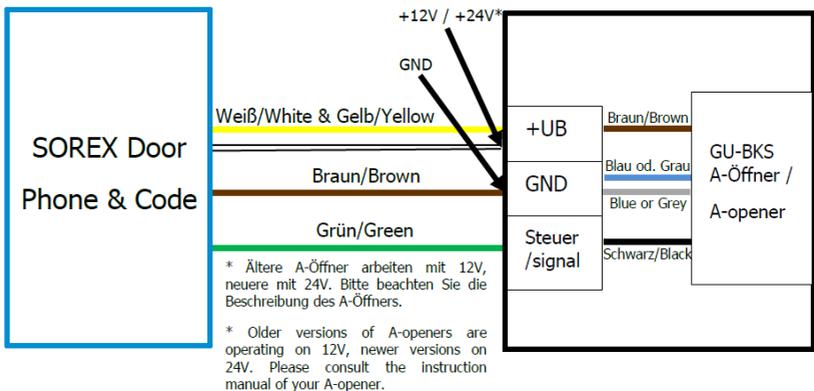


**Figure 3: Relay cable & cable for power supply**

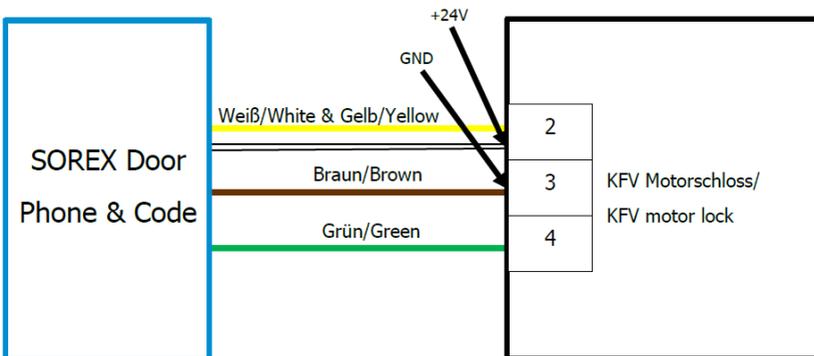
## 2.2 Wiring

Depending on your electronic lock system, there are different ways of wiring. Please find a list of the most common wirings on the following pages.

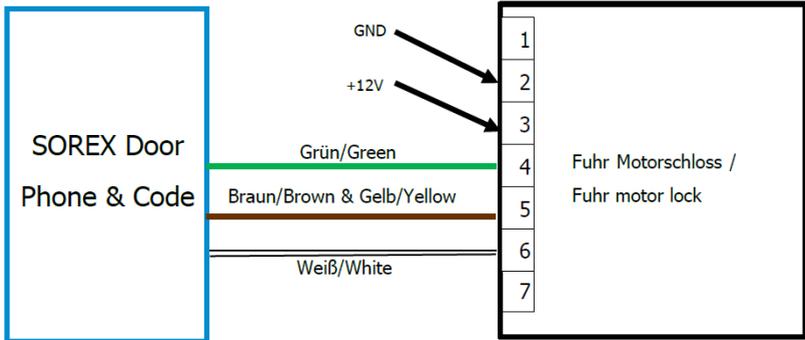
### GU-BKS A-Opener



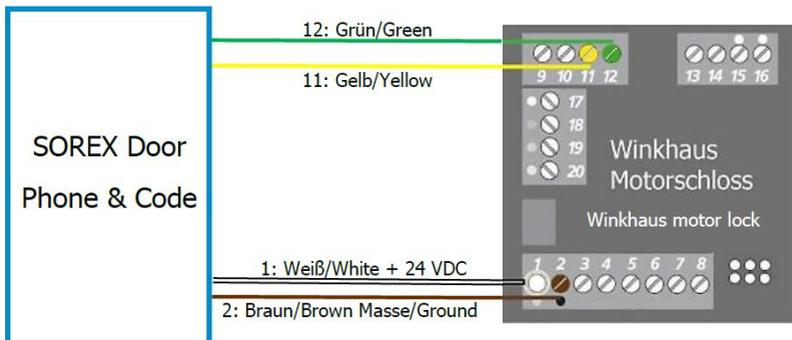
### KFV motorlock



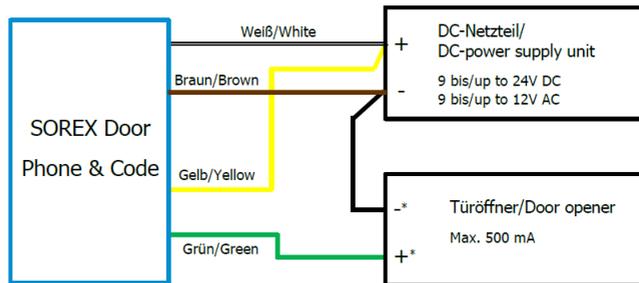
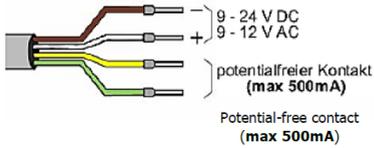
### Fuhr motorlock



### Winkhaus motorlock



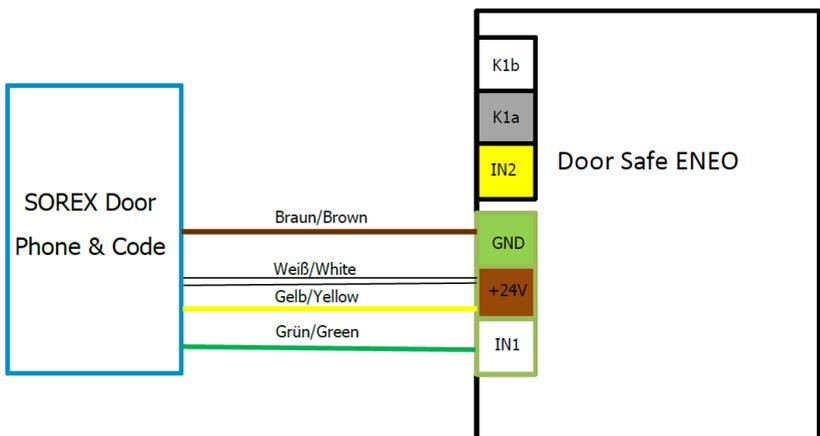
## E-opener



\*falls der Türöffner gepolt ist

\*if the opener needs a power supply

## ROTO Door Safe Eneo



## 2.3 Mounting

The SOREX Door Phone & Code has to be mounted into a cutout according to **Figure 6**.

Depending on your front panel design, different steps are necessary to mount the module to the designed destination. Please compare your product to **Figure 4** and **Figure 5** and follow the appropriate instructions further below.



*Figure 4: SOREX Door Phone & Code with PVC front panel*



*Figure 5: SOREX Door Phone & Code with glass front panel*

### 2.3.1 Mounting of the SOOREX Door Phone & Code with PVC front panel

#### 1. Feed the relay cable trough the wall / the door

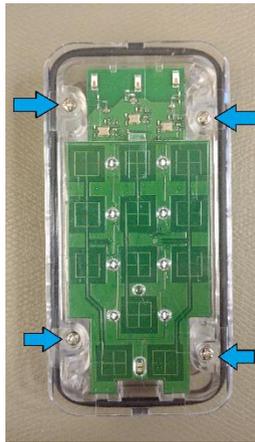
**ATTENTION** The cable must not be accessible from the outside. In this way manipulation from the outside can be prevented.

#### 2. Put the rubber gasket ring on the SOOREX Door Phone & Code



- 3. Connect the relay cable to the SOREX Door Phone & Code module and put it into the cut-out.**

Mind the diagramm in **Figure 6**. The SOREX Door Phone & Code is fixated with the four screw clamps on the sides of the product.



- 4. Slide the front panel on to the housing from top to bottom.**
- 5. To prevent water inlet, if the module is mounted in an outdoor environment, a sealing ring out of acrylic or silicone should be applied around the front panel.**
- 6. Apply voltage to the module.**

Please mind that functionality of the keypad is only given, if the voltage is applied after the front panel has been attached.

### 2.3.2 Mounting of the SOREX Door Phone & Code with glass cover

**ATTENTION** The SOREX Door Phone & Code with glass cover will be permanently glued to the surface it is mounted. It is advisable to fully connect the device for test purposes **before** the installation, to check functionality of the whole electrical installation. Also it should be checked **before** the installation if the module fits into the cut-out.

#### 1. Feed the relay cable trough the wall / the door

**ATTENTION** The cable must not be accessible from the outside. In this way manipulation from the outside can be prevented.

#### 2. Pull off the foil of the adhesive frame on the back of the front panel.



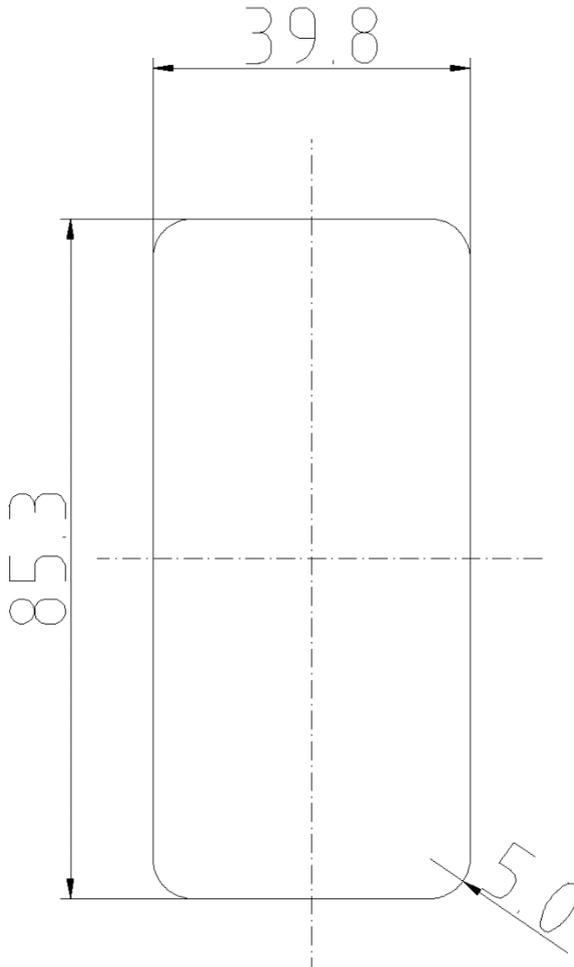
#### 3. Connect the relay cable to the SOREX Door Phone & Code. Put the module into the cut-out and push it firmly to the surface.

Mind the diagramm in **Figure 6**. The surface the adhesive frame touches should be free of dust and oils.

**Note:** If sealing against water is not given (eg. on a porous underground) it is advisable to seal the front panel with a stripe of acrylic or silicone.

**4. Apply voltage to the module.**

### 3. Milling diagram



**Figure 6: Cut-out diagram, all measurements in Millimeters**

This figure is to scale. A depth of at least 16,8mm is necessary.

## 4. Using the numerical keypad

Up to 18 different codes can be programmed on the SOREX Door Phone & Code.

### 4.1 Programming a new code

Please follow the steps bellow to program a new code.

**Please note:**

- If one code is entered repeatedly during this procedure, the code will be deleted (see chapter 4.2).
- A code which has already been programmed through the app, cannot be programmed again.

Programming a code	Beeper	Lighting
<b>1. Enter the 6-digit code</b> on the numerical keypad and confirm with OK.	Depending on chosen mode.	Depending on chosen mode.
<i>Programming mode is starting.</i>	 Single, high pitched beep	
<i>Programming mode is active.</i>	 two rising tones	
	<p>Please wait with entering your personal code, until having heard two rising tones and the blue LED's have stopped blinking.</p>	

<p><b>2. Enter your personal code.</b> This code can consist of 4 to 10 digits.</p>	<p>“Beep” when button is pressed.</p>	
<p><b>3. Confirm with OK.</b> The code is now successfully saved.</p>	<p> Two rising tones</p>	
<p><i>The door is now unlocking.</i></p>	<p>Depending on chosen mode.</p>	<p>Depending on chosen mode.</p>
<p><i>The programming mode stopped automatically.</i></p>	<p>-----</p>	<p>-----</p>

## 4.2 Deleting a code

To delete one of the programmed codes for the keypad, please follow the steps below. For deleting a code via app, please consult the user manual for the SOREX app.

Deleting a code	Beeper	Lighting
<b>1. Enter the 6-digit code</b> on the numerical keypad. <b>Confirm with OK.</b>	Depending on chosen mode.	Depending on chosen mode.
<i>Programming mode is starting.</i>	 Single, high pitched beep.	
<i>Programming mode is active.</i>	 Two rising tones	
	<p style="color: red;">Please wait with entering your personal code, until having heard two rising tones and the blue LED's have stopped blinking!</p>	
<b>2. Enter the code you want to delete.</b>	"Beep" when button is pressed.	
<b>3. Confirm with OK button.</b> The code is now successfully saved.	 Two rising tones	
<i>The programming mode stopped automatically.</i>	-----	-----

**Please note:** If a code was assigned to a mobile phone user via app, only the code for the keyboard will be deleted. The mobile phone user can still access the door using his/her phone.

### **4.3 Assigning a code to a mobile phone user**

To assign a code to a mobile phone user, the app has to be used. Please refer to the user manual for the SOREX app.

## 5. Using a mobile phone

In total, you can connect up to 6 mobile phones with the SOREX Door Phone & Code.

### 5.1 Pairing a mobile phone

Please follow the steps below to connect a mobile phone with the SOREX Door Phone & Code.

Connecting a phone	Beeper	Lighting
<b>1.</b> Switch the <b>Bluetooth</b> function of your mobile phone on.		
<b>2. Enter the 6-digit Admin-PIN</b> on the numerical keypad and confirm with OK.	Depending on chosen mode.	Depending on chosen mode.
<i>Programming mode is starting.</i>	 Single, high pitched beep.	
<i>Programming mode is active.</i>	 Two rising tones	
<b>3. Look for "SOREX Door Phone and Code"</b> in the Bluetooth settings of your mobile phone and select it.  <b>Please note:</b> The SOREX device may also be named "Headset" or according to its MAC address (= serial no.). If your phone is already paired with the device, please terminate this connection in the Bluetooth settings first.		

<p><b>4. Pair</b> your mobile phone with the <b>“SOREX Door Phone &amp; Code”</b>. To do so, insert the <b>Admin-PIN</b>, which consists of <b>6 digits</b> and <b>confirm</b> with <b>OK</b>.</p>		
<p><i>The mobile phone has successfully been paired.</i></p>	 Two rising tones	
<p><i>The door is now unlocked.</i></p>	<p>Depending on chosen mode.</p>	<p>Depending on chosen mode.</p>
<p><i>The programming mode stopped automatically.</i></p>	<p>-----</p>	<p>-----</p>

**Tip:** If you want to administer mobile phone users via app, first name the newly added mobile phone user, before pairing more phones. By doing so, confusion will be avoided.

The SOREX Door Phone & Code can be administered by using the especially designed app. Please refer to the user manual for the SOREX app.

## 5.2 Deleting a mobile phone

To eliminate a mobile phone from the list of paired devices, please use the app. This will be explained in more detail in the user manual for the SOREX app.

**Please note:** To completely remove a mobile phone from the list of paired devices, it is not sufficient to delete the “SOREX Door Phone & Code” from the Bluetooth settings of your phone. For further information on how to delete a mobile phone from the SOREX Door Phone & Code device, refer to chapter 5.4.

### **5.3 Deleting all paired mobile phones**

To delete all mobile phones, as well as to reset the SOREX Door Phone & Code to factory settings, a factory reset can be performed. For more information refer to chapter 8.

### **5.4 One-sided termination of pairing**

If you have deleted the device "SOREX Door Phone and Code" from the list of paired devices on your mobile phone, it is no longer possible to open the door. However, the pairing on the side of the "SOREX Door Phone and Code" has not been terminated. Therefore, you will automatically receive a request to connect with the "SOREX Door Phone and Code", if you approach the device. In some cases, the request to connect will only appear, if Bluetooth settings are opened.

If you wish to reconnect with the "SOREX Door Phone and Code", follow the steps below.

If you do not wish to reconnect with the "SOREX Door Phone and Code", the mobile phone has to be deleted from the device. To do so, refer to the user manual for the SOREX app.

<b>Connecting a mobile phone again, after one-sided termination of pairing</b>	<b>Beeper</b>	<b>Lighting</b>
<p><u>Prerequisites:</u></p> <ul style="list-style-type: none"> <li>- Bluetooth is switched on the mobile phone.</li> <li>- You are located within the detection range of the device.</li> <li>- You have received a request for pairing on your mobile phone.</li> </ul>		
<p><b>Enter the 6-digit Admin-PIN</b> of your module on your mobile phone. <b>Confirm</b> with <b>OK</b>.</p>		
<i>The mobile phone is successfully paired.</i>	 Two rising tones	
<i>The door is now unlocked.</i>	Depending on chosen mode.	Depending on chosen mode.
<i>The programming mode stopped automatically.</i>	-----	-----

## 5.5 Temporarily blocking a mobile phone from access

A user can be blocked temporarily. This can be adjusted with the app. Please refer to the user manual for the SOREX app.

## 6. Settings

Most settings of der SOREX Door Phone & Code can only be administered by using the app. Please refer to the user manual for the SOREX app for more information on the app. The duration of the relay circuit time can be changed directly on the numerical keyboard.

### 6.1 Reactivation time

The time for reactivation of the SOREX Door Phone & Code is 2 seconds.

### 6.2 Duration of the relay circuit

To change the settings concerning the duration of the relay circuit, follow the steps below. Depending on your preference type in the following digits:

**1 second: 000000**

**5 seconds: 010000**

Setting the relay circuit time	Beeper	Lighting
<b>1. Enter the 6-digit Admin-PIN</b> of your module on your mobile phone. <b>Confirm with OK.</b>	Depending on chosen mode.	Depending on chosen mode.
<i>Programming mode starts.</i>		

	Single, high pitched beep.	
<i>Programming mode is active.</i>	 Two rising tones	
<b>2.</b> Enter the <b>6-digit Admin-PIN</b> one more time.	Depending on chosen mode.	Depending on chosen mode.
<i>The mode "overwrite Dip-switch" starts.</i>	 Single, high pitched beep	 fast blinking
<b>3.</b> You have <b>20 seconds</b> to enter one of the above <b>mentioned digits</b> (previous page).	Beep when pressing a button	
<b>4. Confirm with OK.</b>	 Two rising tones	
<i>The programming mode, as well as the "overwrite Dip-switch" mode stopped automatically.</i>	-----	-----

### 6.3 User-specific setting of the detection range/touch-function

To make individual changes to the settings of the detection range and the touch function, the app is necessary. Please refer to the user manual for the SOREX app.

### 6.4 Setting the lighting

To change settings of the lighting, the app is necessary. Please refer to the user manual for the SOREX app.

## **6.5 Setting the beeper**

To change settings of the beeper, the app is necessary. Please refer to the user manual for the SOREX app.

## 7. Opening procedure

### 7.1 Opening with the mobile phone

To successfully open a door, the following requirements have to be met:

- The mobile phone has to be entitled (see chapter 5.1)
- Bluetooth on your mobile phone is switched on.
- You are located within the detection range of the device. Your mobile phone has been recognized if the door unlocks (touch function deactivated), or if the green LED on the keypad starts blinking (touch function activated).
- If the touch function is activated, you have to confirm with OK to open the door.

**Please note:** If the touch function is deactivated, it is not necessary to confirm with OK to open the door.

For more information on this matter, please refer to chapter 6 or to the user manual for the SOREX app.

### 7.2 Opening by entering a code

To open the door with a code, you only have to type in your personal Admin-PIN and confirm with OK.

**Please note:** If you hear one long, deep beep, and if the red LED lights up, either a blocked or a wrong Admin-PIN was entered.

## 8. Factory reset

To carry out a factory reset, follow the steps mentioned below:

Factory reset	Beeper	Lighting
<p><b>1. Enter the 6-digit Admin-PIN</b> of your module on your mobile phone. <b>Confirm</b> with OK.</p>	Depending on chosen mode.	Depending on chosen mode.
<i>Programming mode starts.</i>	 Single, high pitched beep.	
<i>Programming mode is active.</i>	 Two rising tones	
<p><b>2. Enter the 6-digit Admin-PIN</b> one more time.</p>	Beeping sound when pressing a button	 when pressing a button
<i>The mode "overwrite Dip-switch" starts.</i>	 Single, high pitched beep	 fast blinking
<p><b>3. Enter the 6-digit Admin-PIN</b> again.</p>	Sound when pressing a button	 when pressing a button
<i>Factory default has been initiated.</i>	Sequence of 4 tones.	

<i>Your SOREX Door Phone &amp; Code has been reset.</i>	-----	-----
<i>Initialization has started/is in progress</i>	 Single, high pitched beep.	
<i>Initialization completed.</i>	 Two rising tones	
<b><i>Your SOREX Door Phone &amp; Code can now be used.</i></b>	-----	Depending on chosen lighting mode.

The SOREX Door Phone & Code is now in its normal operating mode. The programming mode and the mode "overwrite Dip-switch" have been left.

## 9. FAQ

### **You receive a notice of error, when pairing a mobile phone?**

There is an error with the Bluetooth function of your mobile phone. In this case, it is necessary to use the app to pair your mobile phone with the SOREX Door Phone & Code (see the user manual for the SOREX app). Your smart phone will be paired automatically when you enter a new door in the app.

### **You cannot pair your mobile phone, because your phone is already paired with the device?**

Terminate the pairing with the SOREX Door Phone & Code in your Bluetooth settings. After doing that, you should be able to reconnect with the device.

### **You constantly receive a request for pairing, if you enter the detection range of the device?**

In this case, the pairing of the mobile phone with the device has only been deleted on the mobile phone. However the SOREX Door Phone & Code is still paired with the phone. For more information, please refer to chapter 5.4.

### **Your code has not been accepted by the device.**

There are two possible reasons for this. Either your code is blocked, or the device's buffer is full. Press the button "X" on the keypad before entering your code.

**After entering the wrong code a couple of times, the keypad does not react any more.**

If more than 30 digits, which do not consist of a correct code, have been entered, the keypad will lock itself for approximately 5 seconds. If you enter unknown digits again, the keypad will lock for another 10 seconds. After that it will lock for respectively 30 and 60 seconds. If a correct code is entered, the locking mechanism is reset.

**The app for user administration does not work anymore on your iPhone.**

The App for the iPhone is compatible with iOS 7.02 or older versions. There is no guarantee of compatibility with newer Apple operating systems.

**The device does not register if a button is pushed/does register touches, which did not happen.**

The device can make out the following frequencies, which may influence its functioning (e.g. as sent from radio devices): 225 to 265 kHz, 670 to 740 kHz, 899 to 940 kHz. As a result, malfunctions may occur. To tackle this problem, you can set the negative pole against ground (see chapter 2).

## 10. Technical Data

<b>Supply voltage</b>	9 to 24 VDC or 9 to 12 VAC (max. 250 mA)
<b>Relay output</b>	max. 60 VDC or 24 VAC max. 0.5 A; max. 10 Watt
<b>Relay circuit time</b>	Individually adjustable (1 sec. default setting)
<b>Detection range</b>	Individually adjustable (near, middle, far distance)
<b>Working temperature</b>	-20°C to + 60°C
<b>Dimensions of casing</b>	91.5 x 45.5 x 16 mm (HxWxD)
<b>Dimensions of front panel</b>	94 x 48.5 mm (HxW)
<b>Colours</b>	White, silver-metallic, anthracite
<b>Protection class/assembly</b>	IP 54/ mounted in the door panel

## 11. Warranty & Liability

The product is subject to the lawful warranty according to Austrian law. If warranty claims arise, the bill has to be shown for proof.

SOREX Wireless Solutions GmbH is not liable for damages or injuries, which are caused by improper usage/handling or usage against the instructions of the user manual.

**The general terms and conditions (AGB) of the company SOREX Wireless Solutions GmbH apply.** They are accessible on the website [www.sorex.eu](http://www.sorex.eu).

The product is complying with the following directives:

EN 61000 – 6 – 1: 2005

EN 61000 – 6 – 2: 2007

EN 61000 – 6 – 3: 2007

## 12. Support

Producer:

### **SOREX Wireless Solutions GmbH**

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Valid for the following product versions:

- DO101000
- DO101000C01

