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PIN CODE KEYPAD 3068

February 2013

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1.0. General information

Please take 15 minutes and read through these Instructions in order to familiarise yourself with the function of your Pin-Code Keypad.



1.1 Safety Remarks

Caution! Incorrect handling of the batteries used in this product can result in the risk of fire or burns. Do not charge, open or burn these batteries or heat them to more than 100° C (212° F).

Make sure that the PinCode Keypad remains free of dirt and scratches; do not drop the Keypad or otherwise subject it to heavy impacts.

Furthermore, please note that you should program the Keypad with a PIN code immediately after you start it up.

Use of a SimonsVoss PinCode Keypad requires knowledge of the use of the product and of the SimonsVoss software. For this reason, only trained and authorised personnel should program the PinCode Keypad.

SimonsVoss Technologies AG will not accept any liability for damages caused by incorrect programming.

If the PinCode Keypad is incorrectly programmed or is defective, access through a door may be blocked. SimonsVoss AG is not liable for the consequences, such as blocked access to injured or endangered persons, property damage or other damages.

The casing of the PinCode keypad is secured with two Torx screws (TX6) for increased security against unauthorised opening.

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1.2 Product Description

The PinCode Keypad 3068 is a digital "key" (transponder), which opens SimonsVoss lockings without contact via radio transmission after the correct numerical codes are entered.

To configure the system, you must first correctly configure at least one PIN and the associated integrated transponder for the locking. The associated locking is then released after a correct PIN has been entered.

The PinCode Keypad that you have purchased is a product that can be used both inside and out. The product has its own power supply, so that it can be operated completely self-sufficiently. Installation is very simple, because absolutely no cabling is required.

Because of the modularity, this component can be seamlessly integrated into the SimonsVoss System 3060, and, like all SimonsVoss components (on the transponder side), it can be programmed with the locking plan software.

2.0 Functional Overview

2.1 Function Overview

The PinCode Keypad comprises the following components:

- PIN code input and evaluation
- Integrated digital key (transponder), which opens the associated locking when it is triggered after the PIN code has been evaluated successfully

Consequently, the PinCode Keypad allows you to address all SimonsVoss lockings (such as cylinders, Smart Relays, and even activation units, etc.) using the PIN code. Three different PINs are available, so that individual PINs can be assigned to up to 3 people or groups of people. When a PIN is reprogrammed, only one of up to three user groups needs to be informed. Furthermore, in SimonsVoss lockings (with the time control function, meaning access control and time zone control), it is possible to grant a person or group of people access to a building only during certain times, and to keep a record of which PIN accessed the locking at what time.

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2.2 Operating modes

The PinCode Keypad has four distinct operating modes:

Mode:	Explanation:
Standby	The PIN Code Keypad is in standby mode, and uses only very little power.
Opening	After a correct PIN has been entered, the locking is addressed via radio transmission and can be operated.
Programming	In this mode, the following can be programmed or reset: <ul style="list-style-type: none"> • the individual PINs (max. 3) - directly via the Keypad • or the associated integrated transponders (max. 3) - using the SimonsVoss software
Battery warning	A two-level battery warning system provides plenty of advance notice when it is almost time to change the batteries.

2.3 Operating

After starting up and configuring the PinCode Keypad, it and a SimonsVoss locking represent a so-called "hidden lock" within the System 3060. You can program the PIN directly by making entries on the Keypad. On the other hand, the integrated transponders are programmed by means of the SimonsVoss software, and incorporated into the locking system in this way. The following sections describe the precise procedure for programming individual PIN codes and for programming the associated transponder data records, and the use of the PinCode Keypad.

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3.0 Start-up

The first time the system is started up you will need to replace the factory-set

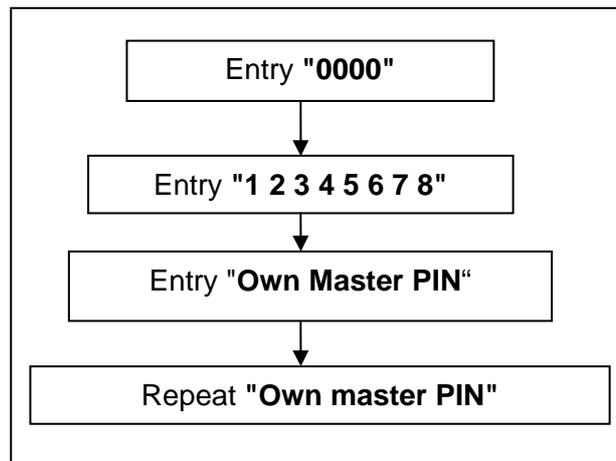
Master-PIN: **1 2 3 4 5 6 7 8**

With your own master PIN

Requirement:

- 8 digits
- may not start with a "0"

Your personal master PIN is needed for all programming processes for authentication purposes. Please keep it in a safe place where it cannot be accessed by unauthorised persons.



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4.0 Programming PINs

The Master PIN required for all programming procedures is defined by the user (e.g. the System Administrator). Please keep it safe and inaccessible to unauthorised persons, since the Master PIN is required for all programming procedures.

4.1 First Start-up

For the first start-up, the safety of your locking system requires that you program at least one PIN. Only after the PinCode Keypad has been programmed can it be guaranteed that only authorised users receive access.

Proceed as follows:

1. Press the **"0"** to change to programming mode
2. Enter the **"master PIN "**
3. Select the PIN that you want to program; in this case, press **"1"** for **"PIN 1"**
4. Enter the length of the PIN (you can choose a number with from **4-8** digits)
5. Enter the **"PIN"**
6. If the input was correct, the PIN is saved and confirmed

A PIN is not permitted to begin with **"0"** and you may not assign the same PIN more than once. The master PIN is used only for programming the PIN. It is not possible to operate lockings with the master PIN.

4.2 Programming Additional PINs

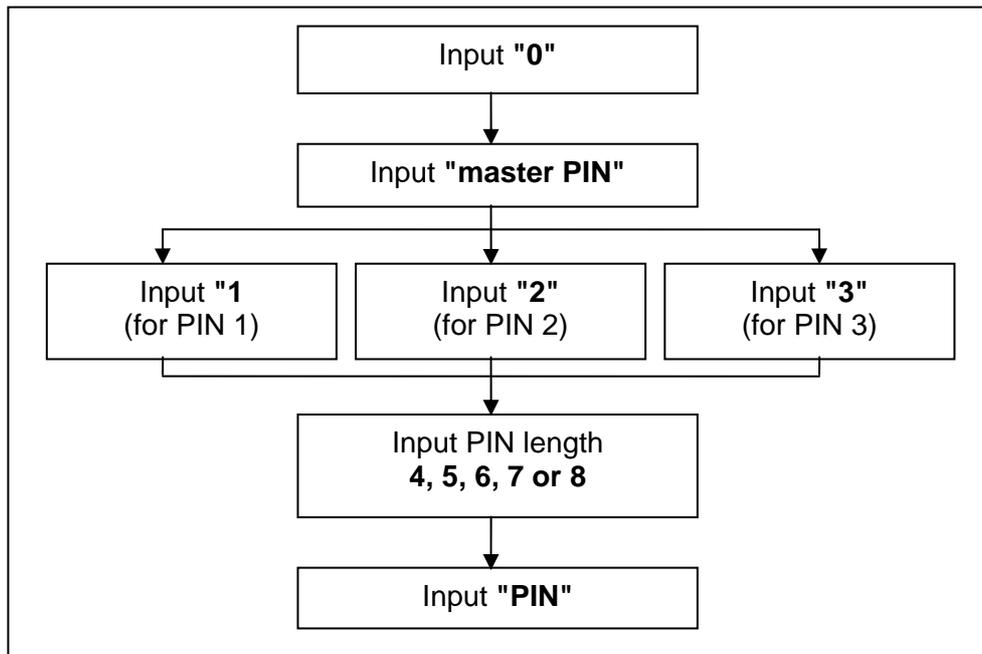
1. To program additional PINs, please proceed as follows:
Press the **"0"** to change to programming mode
2. Enter the **"master PIN"**
3. Press
 - **"2"** for **"PIN 2"** or
 - **"3"** for **"PIN 3"**
4. Enter the length of the PIN (you can choose a number with from **4-8** digits)
5. Enter the corresponding **"PIN"**.
6. The input was correct, the PIN is saved and confirmed

Attention: It is not possible to enter programming mode when there is a battery warning. This means that when the battery is weak, you cannot change or delete a PIN. Programming mode will only be available again after you have successfully changed the battery (see the section "Battery Replacement").

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4.3 Procedure



5.0 Deleting PINs

5.1 Description

To deactivate PINs again, follow these steps:

1. Press **"0"** to change to programming mode
2. Enter the **"master PIN "**
3. Press
 - **"1"** for **"PIN 1"** or
 - **"2"** for **"PIN 2"** or
 - **"3"** for **"PIN 3"**
4. For the PIN length, enter **"0"**
5. If the input was correct, the PIN in question is deleted

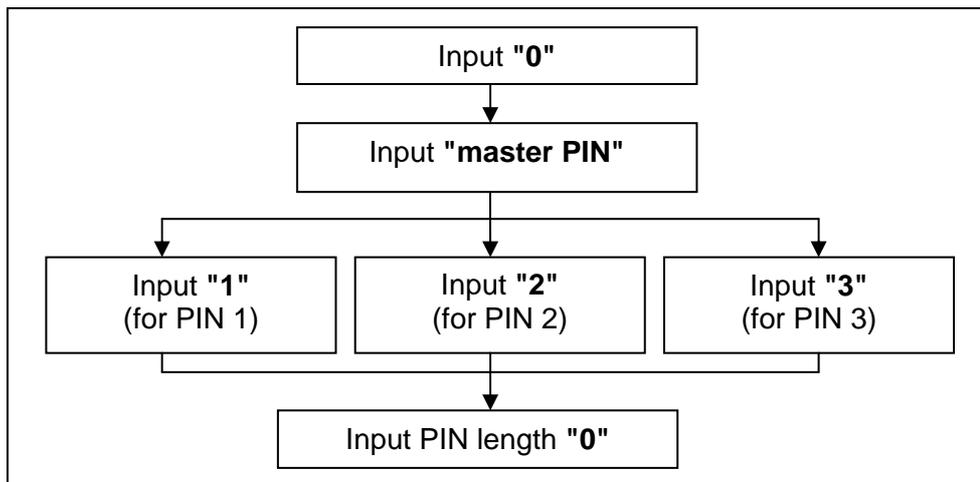
In this way, you can deactivate one or more PINs again. They can only be reactivated if you program them again. If you do not need all the PINs, you can leave the extra one unprogrammed.

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Attention: It is not possible to enter programming mode when there is a battery warning. This means that it is not possible to change or delete PINs when there is a weak battery. Programming mode will only be available again after you have successfully changed the battery (see the section "Battery Replacement").

5.2 Procedure



6.0 Programming the Transponder Data Records with the Simons Voss Software

6.1 Assignment of PINs and Transponders

- PIN1 ⇒ Transponder 1
- PIN2 ⇒ Transponder 2
- PIN3 ⇒ Transponder 3

Each integrated transponder has its own transponder ID (TID); the TIDs are saved in the SimonsVoss lockings when there is an access if the lockings have the time control function (i.e., access control). In this way, you can tell precisely which PIN was granted access and when.

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6.2 Description

To program the various transponders with the SimonsVoss software, please follow the procedure described in the following (also see the SimonsVoss "Software Manual"):

1. Press the "0" button twice in order to enter the transponder programming mode.
2. Enter the "**master PIN**".
3. Start the **Transponder programming** function in the SV software
4. For the particular transponder:
 - Transponder 1 = press the "**1**" button
 - Transponder 2 = press the "**2**" button
 - Transponder 3 = press the "**3**" button
5. Please check in the user interface to see that the programming was successful (yellow programmer flash must have been removed in the locking plan).

In order to be able to carry out the programming without problems, please first start the programming command in the SV software and only then select the required transponder using the PinCode Keypad. Otherwise it is not possible to guarantee successful programming.

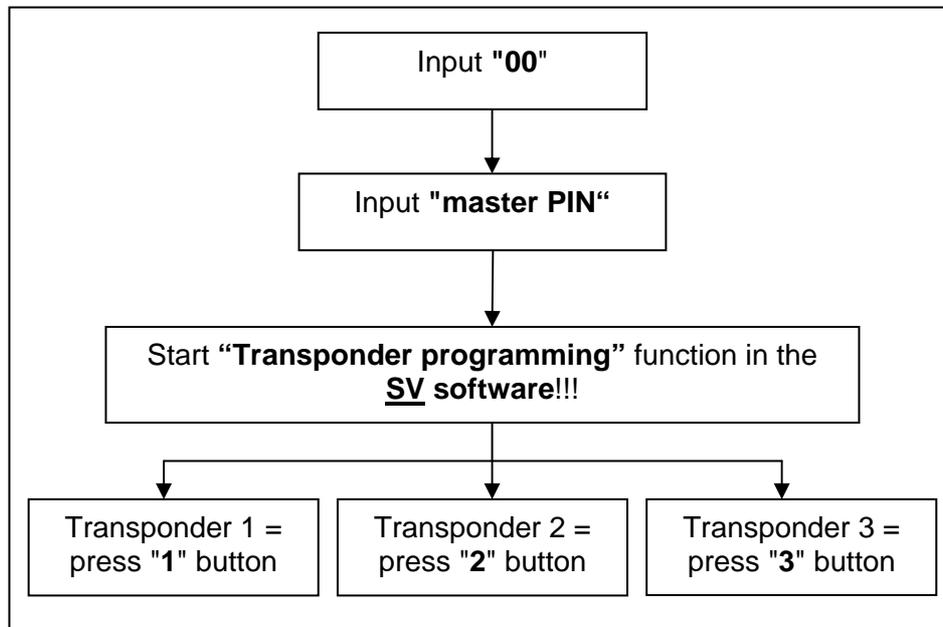
The PinCode Keypad's three integrated transponders must be located in the same locking plan as the locking that you wish to address.

Attention: It is not possible to enter programming mode when there is a battery warning. This means that it is not possible to change or delete transponders when there is a weak battery. Programming mode will only be available again after you have successfully changed the battery (see the section "Battery Replacement").

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6.3 Procedure



7.0 Reading out Transponders

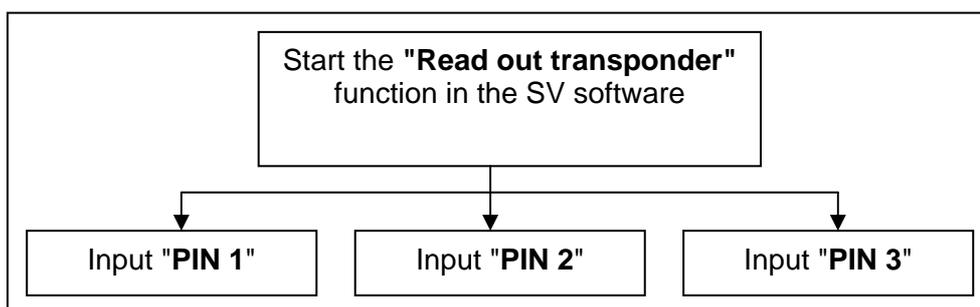
Anytime it is possible to read out the integrated transponders (after they were programmed) with the SimonsVoss locking plan software.

7.1 Description

To do this, proceed as follows:

1. Start the "**Read out transponder**" function in the SV software
2. For the particular transponder:
 - Transponder 1 = enter "**PIN 1**"
 - Transponder 2 = enter "**PIN 2**"
 - Transponder 3 = enter "**PIN 3**"

7.2 Procedure



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8.0 Resetting Transponders

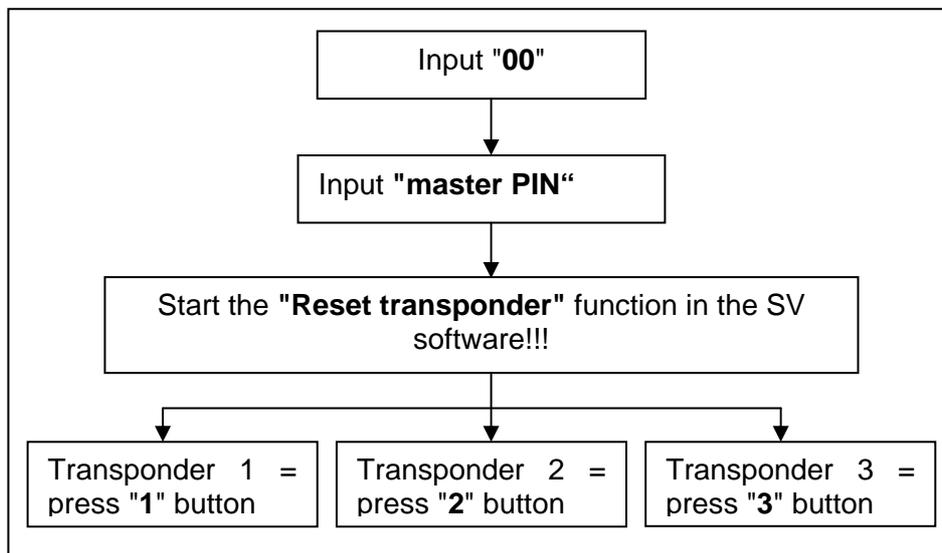
8.1 Description

To reset the various transponders, please proceed as follows:

1. Press the "0" button twice.
2. Enter the master PIN.
3. Start the "**Reset transponder**" function in the SimonsVoss software.
4. For the particular transponder :
 - Transponder 1 = press "1" button,
 - Transponder 2 = press "2" button
 - Transponder 3 = press "3" button

Attention: It is not possible to enter programming mode when there is a battery warning. This means that when the battery is weak, you cannot reset a transponder. Programming mode will only be available again after you have successfully changed the battery (see the section "Battery Replacement").

8.2 Procedure



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9.0 Opening

In order to use the PinCode Keypad to open the associated locking, proceed as follows:

Enter a PIN that has already been programmed. You are not permitted to wait more than 5 seconds between the entries of the individual numbers.

In you have entered the correct number and the integrated transponder has been programmed, the LED lights GREEN and a signal is sounded. Then the integrated transponder opens the locking.

10.0 Meaning of the LED

The built-in LED can light in one of three colours: green, yellow and red. These colours have the following meanings:

- Green Digit that was input has been accepted

PIN input was OK, which means that
the correct PIN has been recognised, open signal is being sent

PIN length OK
PIN programming procedure was successful
- Yellow battery warning
- Red PIN input was incorrect

Input of master code was incorrect
Repeated incorrect input of the PIN (manipulation)
PIN length was not entered correctly.

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11.0 Battery Warning

To obtain a defined status for the PinCode Keypad and to minimise operating errors, a 2-level battery warning system has been integrated.

When the battery capacity begins to drop, you will be notified of this in plenty of time to allow you to replace the batteries.

Battery warning level 1: The opening procedure is carried out after a delay. The diode blinks YELLOW and the buzzer sounds for 10 seconds. The PinCode Keypad does not send the open command until after these 10 seconds.

Battery warning level 2: In this case, the opening procedure is again carried out after a delay. The diode blinks YELLOW and the buzzer now sounds for 20 seconds. The PinCode Keypad does not send the open command until after these 20 seconds. You should not wait any longer to replace the battery. Otherwise, the system will stop functioning after a short time.

12.0 Battery Replacement

In general, the batteries must be replaced by trained experts only. To do this, proceed as follows:

1. Completely unscrew the two screws in the bottom of the housing.
2. Remove the front of the housing.
3. Carefully release the battery clip from the printed circuit board (Figure 1).
4. Remove both batteries (Figure 1).
5. Insert the new batteries; the positive pole must be pointing up (Figure 2).
6. Carefully hook the battery clip back into the printed circuit board (Figure 3).
7. Put the housing back on.
8. Screw the two housing screws back into the housing from below.

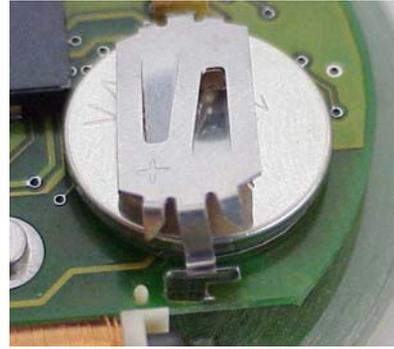
After you have replaced the batteries, all functions will be available again. Please always replace both batteries at the same time, because they have been charged to approximately the same level.

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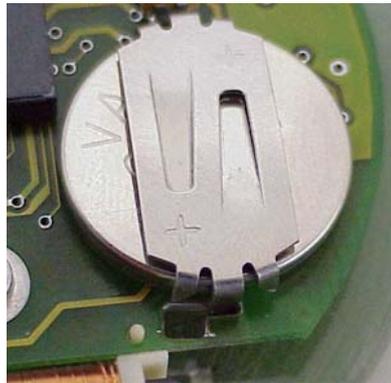
When replacing the batteries, be absolutely sure that no water is allowed to penetrate into the housing and that the electronics do not come into contact with water. If necessary, carefully wipe dry the housing section that is attached to the wall.



(Picture 1)



(Picture 2)



(Picture 3)

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13.0 Special Functions

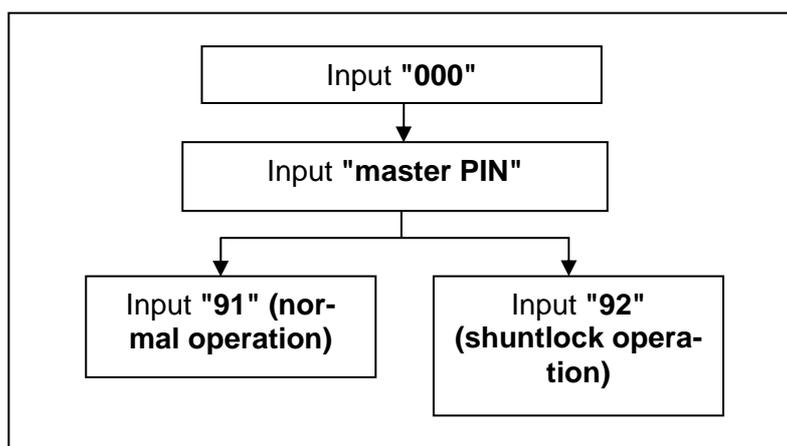
13.1 Hidden Lock for SimonsVoss VdS Shuntlock 3066

The PinCode Keypad can be used for activating SimonsVoss activation units (VdS Shuntlock 3066). This is done by mounting the Keypad within the transmitting range of the activation unit. After you have input the correct PIN, the activation unit is addressed and the alarm system is activated or deactivated via the shuntlock. This allows the requirements of VdS Class C up to SG 6 to be fulfilled by including a hidden lock.

The VdS-certified activation units from SimonsVoss need a doubled opening protocol for activation/deactivation procedures (double-click when the transponder should activate or deactivate the system).

The following explains the configuration of the PinCode Keypad in order to have it emulate the "double-click" and consequently be suitable for carrying out activation/deactivation procedures. To set the configuration for this purpose, proceed as follows:

1. Press the "0" button three times
2. Input the master PIN
3. Then press:
 - either "91" for normal operation (default setting)
 - or "92" for a double-click for shuntlock operation



If the input was correct, the PinCode Keypad stores the change and gives a positive acknowledgement (LED and buzzer).

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Important: Please set the two-time opening protocol (double-click) only when you are using a SimonsVoss VdS Shuntlock 3066. Otherwise, there may be malfunctions or unwanted effects.

You can switch from one configuration to the other at any time.

Attention: It is not possible to enter programming mode when there is a battery warning. This means that when the battery is weak, you cannot change or delete any functions. Programming mode will only be available again after you have successfully changed the battery (see the section "Battery Replacement").

13.2 Miscellaneous

The quasi-proximity and validity and expiry mode functions are not available with the PIN Code Keypad.

14.0 Technical Specification

Dimensions WxHxD	96 mm x 96 mm x 14 mm
Weight	102 g (incl. batteries)
Material	Plastic
Colour	Grey with transparent ring
Maximum number of operations with one battery set	AAprox. 100,000 operations or 10 years on standby
Operating distance from locking cylinder	Up to a max. of 40 cm (when the transponder antenna is parallel to the cylinder antenna)
Operating distance from SmartRelay	Up to a max. of 120 cm (when the transponder antenna is parallel to the SmartRelay antenna)
Protection class	IP 65
Working temperature range	-20° C to 50° C (-4° F to 50° F) without moisture condensation
Battery type	2 x 3 V DC lithium battery type CR2032
Battery replacement	Only by trained personnel

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This product fulfills essential requirements of CE-Conformity.
The declaration of conformity can be found at
www.simonsvoss.com