

**Wireless Keypad:
TRA.PINCODE**

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1.0. General information

Please read through these instructions in order to familiarize yourself with the functions of your Wireless Keypad.



Compliance Statement (Part 15.19)

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Warning (Part 15.21)

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Interference Statement (Part 15.105 (b))

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

Industry Canada Statement per Section 4.0 of RSP-100

The term "IC:" before the certification / registration number only signifies that the Industry Canada technical specifications were met.

Section 7.1.5 of RSS-GEN

Operation is subject to the following two conditions:

- 1) this device may not cause harmful interference, and
- 2) this device must accept any interference received, including interference that may cause undesired operation.

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 212°F (100°C).

Make sure that the Wireless 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 Wireless Keypad requires knowledge of the use of the product and of the SimonsVoss software. For this reason, only trained and authorized personnel should program the Wireless Keypad.

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

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

The casing of the Wireless Keypad is secured with two Torx screws (TX6) for increased security against unauthorized opening.

1.2 Product Description

The Wireless Keypad is a digital "key" (transponder), which opens SimonsVoss locks without contact via radio transmission after the correct numerical code is entered.

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

The Wireless Keypad that you have purchased is a product that can be used both indoors and outdoors. The product has its own power supply, so that it can be operated self-sufficiently. Installation is simple, because no cabling is required.

This component can be seamlessly integrated into the SimonsVoss System 3060, and, like all SimonsVoss components, it can be programmed with either LDB or LSM software.

2.0 Functional Overview

2.1 Function Overview

The Wireless Keypad has the following components:

- PIN code input and evaluation
- Integrated transponder, which opens the associated SimonsVoss RF lock when it is triggered after the PIN code has been evaluated successfully.

Consequently, the Wireless Keypad allows you to address all SimonsVoss RF locks (Cylindrical, Mortise, and Smart Relays) using the PIN code.

Individual PIN codes 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 the appropriate SimonsVoss locks, 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 lock at what time.

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2.2 Operating modes

The Wireless Keypad has four distinct operating modes:

Mode:	Explanation:
Standby	The Wireless Keypad is in standby mode, and uses very little power.
Opening	After a correct PIN has been entered, the lock 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 multi-level battery warning system provides plenty of advance notice when it is almost time to change the batteries.

2.3 Operating

Using the Wireless Keypad is a simple matter of entering the correct number of digits in the correct order. If the correct PIN is entered the appropriate transponder integrated in the keypad sends a signal to the adjacent SimonsVoss lock or SmartRelay resulting in unlocking the door or activating the relay respectively.

Each of the three integrated transponders in the Keypad can be programmed, read, or reset with the LDB or LSM software.

The following pages describe the procedures for using and programming the Wireless Keypad.

3.0 Start-up

The first time the Wireless Keypad is installed, you will need to replace the factory-set

master PIN: **1 2 3 4 5 6 7 8**

with your own master PIN.

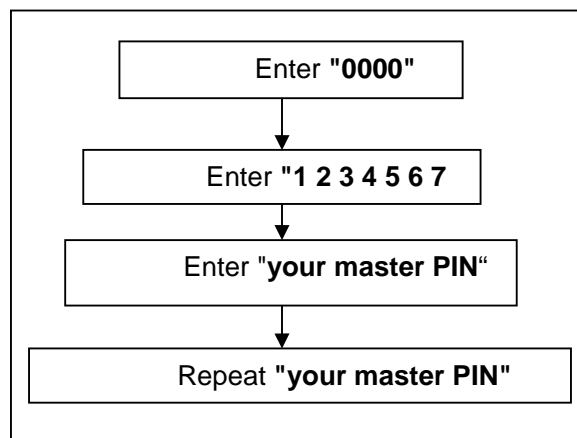
Requirement:

The new master PIN must

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

Your personal master PIN is needed to authenticate all programming processes. Choose a number that is easy for you to remember and keep it in a safe place where it cannot be accessed by unauthorized persons.

To change the default master PIN, follow this procedure:



4.0 Programming PINs

The Master PIN required for all programming procedures is defined by the user (typically the System Administrator). Please keep this PIN safe and inaccessible to unauthorized persons, since the Master PIN enables all reprogramming of the Wireless Keypad.

4.1 First Start-up

For the first start-up, the safety of your lock system requires that you program at least one PIN. Only after the Wireless Keypad has been programmed can it be guaranteed that only authorized 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 example, press **"1"** for **"PIN 1"**.
4. Enter the length of the PIN (you can choose a number with **4 to 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 locks with the master PIN.

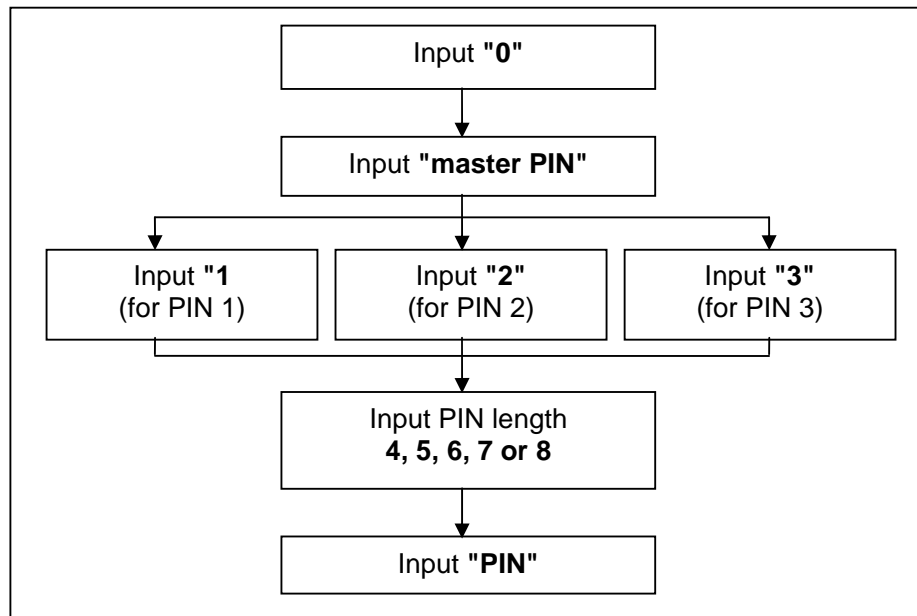
4.2 Programming Additional PINs.

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 **4 to 8** digits).
5. Enter the corresponding **"PIN"**.
6. If the input was correct, the PIN is saved and confirmed.



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").

4.3 Procedure



5.0 Deleting PINs

5.1 Description

To deactivate a PIN, follow these steps:

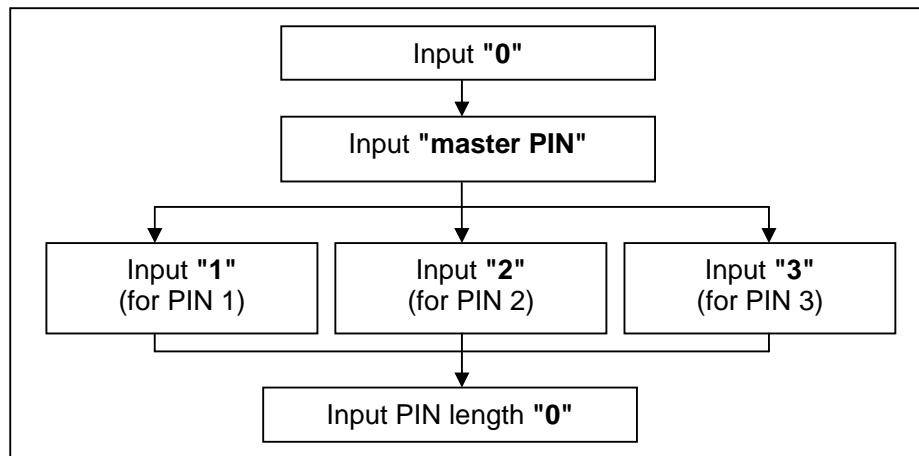
1. Press "0" to change to programming mode.
2. Enter the "master PIN".
3. Press
 - "1" for "PIN 1" or
 - "2" for "PIN 2" or
 - "3" for "PIN 3".
4. For the PIN length, enter "0".
5. If the input was correct, the PIN in question is deleted.

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



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

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 locks as part of the audit trail. In this way, you have a record of which PIN was used to gain access and when.

6.2 Description

Generally to program a transponder using the SimonsVoss software you activate the appropriate function in the software and then it directs you to press the button on the transponder one or more times. The Wireless Keypad acts as three separate transponders and programming them requires a little more of a procedure. To program the various transponders with the SimonsVoss software, please follow the procedure described in the following (also see the appropriate SimonsVoss software manual):

1. On the Wireless Keypad, Press the "0" button twice in order to enter the transponder programming mode.
2. Enter the "**master PIN**". (you are now ready to program the Keypad)
3. Start the **Transponder programming** function in the SV software
4. When you are instructed to push the button on the transponder...
 - Press the "1" button on the Keypad for transponder #1
 - Press the "2" button on the Keypad for transponder #2
 - Press the "3" button on the Keypad for transponder #3
5. Please check in the user interface to see that the programming was successful (yellow programmer flash must have been removed in the display).

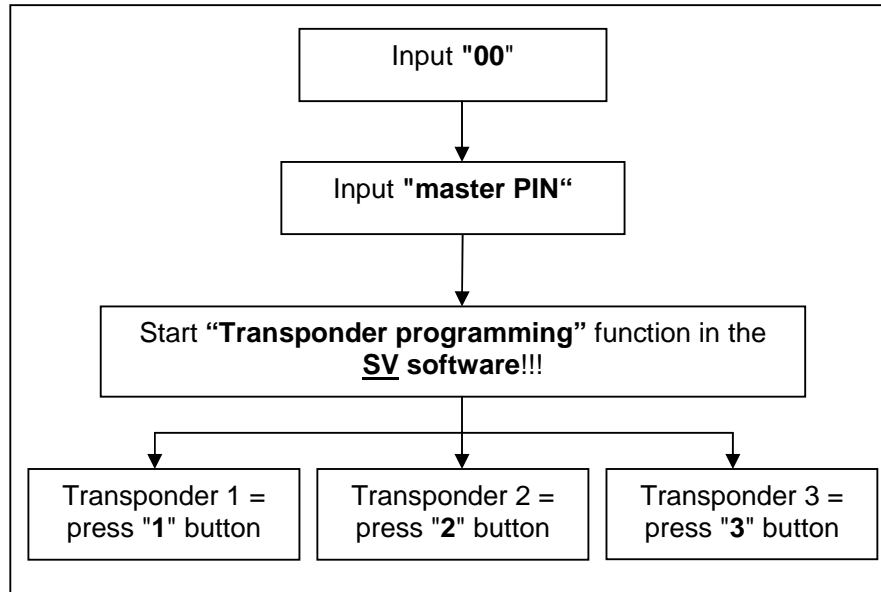
In order to be able to carry out the programming without problems, please first start the programming command in the SV software and only then select the required transponder using the Keypad. Otherwise it is not possible to guarantee successful programming.

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



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").

6.3 Procedure



7.0 Reading Transponders

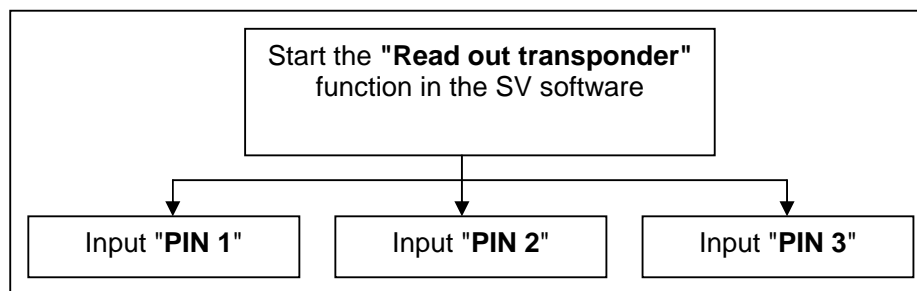
You can use the SimonsVoss software and configuration tool to examine the transponders integrated in the Keypad.

7.1 Description

To examine the Keypad programming, proceed as follows:

1. Start the "Read Transponder" function in the software
2. For the specific transponder:
 - Transponder 1 = enter "PIN 1"
 - Transponder 2 = enter "PIN 2"
 - Transponder 3 = enter "PIN 3"

7.2 Procedure



8.0 Resetting Transponders

8.1 Description

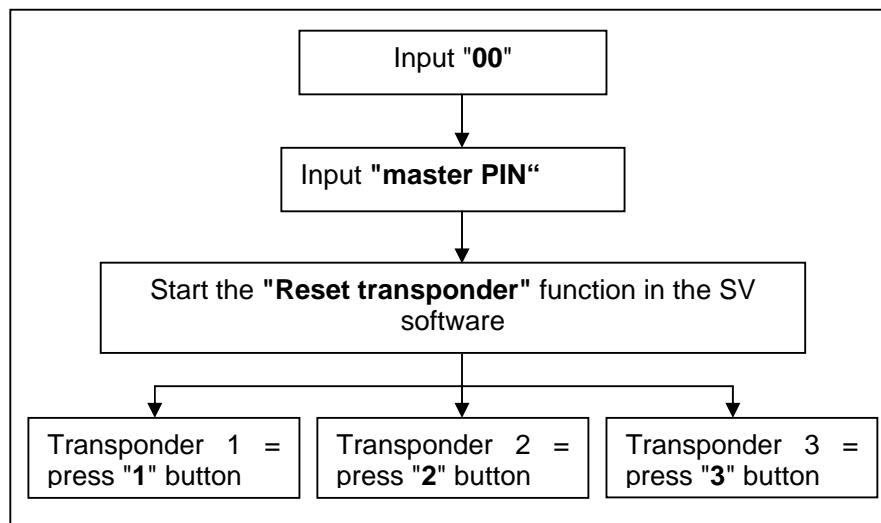
To reset the transponders integrated in the Keypad, please proceed as follows:

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



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



9.0 Opening

In order to use the Wireless Keypad to open the appropriate lock, 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.

If 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 lock.

10.0 Meaning of the LED

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

- Green Digit that was input has been accepted
 PIN input was OK, which means that the correct PIN has been recognized and an 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.

11.0 Battery Warning

To minimize operating errors the Wireless Keypad follows a multi-level battery warning system.

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 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 Keypad does not send the open command until after these 20 seconds.

You should not wait any longer to replace the battery. Otherwise, the Keypad will stop functioning after a short time. Failure of the Keypad does not prevent the lock from being opened with other transponders.

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.

Always replace both batteries at the same time, because they have been charged to approximately the same level.

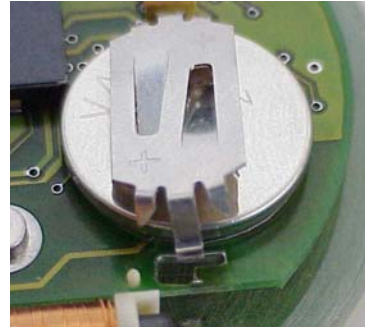
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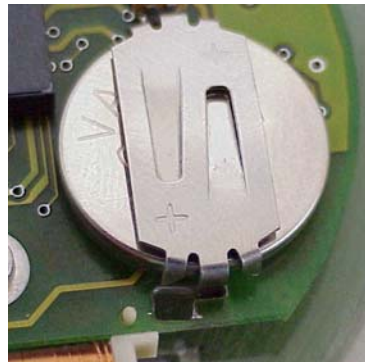
When replacing the batteries, be absolutely sure that no water is allowed to penetrate into the housing and that the electronics do not come into contact with water. If necessary, carefully wipe dry the housing section that is attached to the wall.



(figure 1)



(figure 2)



(figure 3)

13.0 Special Functions

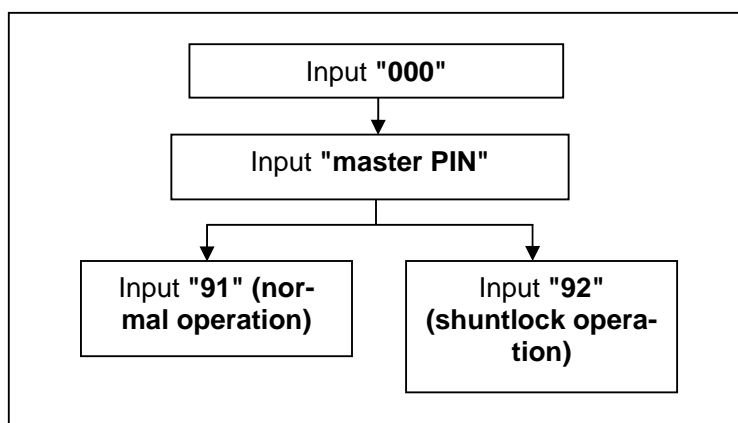
13.1 Hidden Lock for SimonsVoss VdS Shuntlock 3066

The Wireless 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 Wireless Keypad in order to have it emulate the "double-click" and consequently be suitable for carrying out activation or deactivation procedures.

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 Wireless 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 side effects.

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



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 Wireless Keypad.

14.0 Technical Specification

Dimensions W x H x D	3.8 in x 3.8 in x 0.5 in 96 mm x 96 mm x 14 mm
Weight	3.3 oz (102 g) including batteries
Material	Plastic
Color	Grey with transparent ring
Maximum number of operations with one battery set	Approx. 100,000 operations or 10 years on standby
Operating distance from SimonsVoss lock	Up to a max. of 16 inches (40 cm) when the transponder antenna is parallel to the cylinder antenna
Operating distance from SmartRelay	Up to a max. of 47 inches (120 cm) when the transponder antenna is parallel to the SmartRelay antenna
Protection class	IP 65 – NEMA 12
Working temperature range	-4°F to 122°F (-20°C to 50°C) noncondensing
Battery type	2 x 3 V DC lithium battery type CR2032