secuENTRY pro 7116 Duo

secu**ENTRY**

BW_pro 7116 Zylinder_BA_sE_020100 HBG/SDS 07/2017

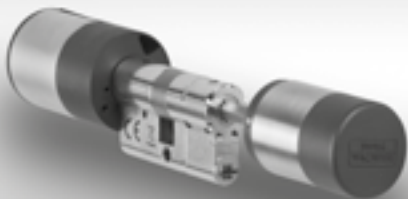**www.burg.biz**

secuENTRY pro 7116 Duo

secu**E**NTRY

de **User and assembly manual**
en **Assembly and user manuals**
fr **Instruction de montage et mode d'emploi**
nl **Montage- en gebruiksaanwijzing**

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Language

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bg Download (зареди): www.burg.biz

Welcome to this quality BERG-WÄCHTER product! Thank you very much for your decision for the secuENTRY pro 7116 electronic locking system by BURG-WACHTER. This system has been developed and manufactured using the latest technical potential and satisfies high security requirements. The electronic cylinder can be used without any drilling in any door with PZ perforation up to a door thickness of 119 mm (61/59, measured in the middle of the screw) and is ideally suited for new installation as well as for retrofitting.

Contents of this manual

A General
B Assembly
C Programming / Function / Operation
D Technical data

E Battery replacement
F Emergency key
G Warranty / Environment

A. **General**

Please read the operating instructions carefully before starting the assembly and programming. Keep in a safe place.
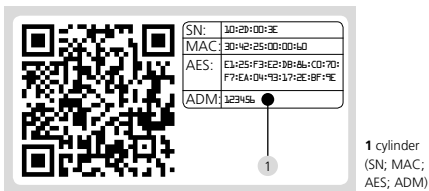We hope you enjoy your new locking system.

The secuENTRY pro 7116 Duo cylinder can be used with the following opening media:

• Keyboard PINCODE
• Keyboard FINGERPRINT
• Passive transponder (15693, 1444A)
• Active transponder (BLE)
• Smartdevice/App

The opening media are to be purchased separately.

Administrator code / QR-Code

Each secuENTRY pro 7116 Duo cylinder has two QR codes, which are required for integration into a locking system using the optional secuENTRY software as well as for BW apps and for firmware updates. Without an associated keyboard, opening media (users, active, passive transponders) can only be taught to the cylinder via the optional software. The administrator code is also located on the QR code of the inner knob (main knob).

SN:	10:20:00:3E
MAC:	30:42:25:00:00:60
AES:	E1:25:F3:E2:D8:86:C0:70: F7:EA:04:93:17:2E:8F:9E
ADM:	123456

1 cylinder
(SN; MAC;
AES; ADM)

Attention! If the administrator and / or the QR code is lost, reprogramming or the use of all of the administrator functions is no longer possible. Please store it in at a safe place.

Tip: The QR code can also be scanned electronically as a file or saved as a photo on a protected data carrier.

The manufacturer assumes no liability for any injuries or damage that may occur during installation or through improper handling.

B. Assembly

The installation of the secuENTRY pro 7116 Duo cylinder is described below. Please read this Assembly Manual carefully prior to the assembly.

Remarks:

The base size of the cylinder is 30 mm per side. The cylinder has a special latching system on the inside and an adapter kit for the outer knob which allows the cylinder to be used on door thicknesses up to 119 mm (61/59, measured at the of the centre cuff screw). No prior adjustment is necessary. The appropriate screws for the adapter lengths are included with the set.

When delivered, the cylinder inner knob is completely collapsed (the smallest door thickness). Before you insert the cylinder into the door, you should adjust it to your door thickness.

The inner knob is loosened and fixed using an integrated blade screw in the rotary knob.

Attention! Never pull the inner knob completely from the shaft, as this might cause damage to the electronics! The locking screw, which ensures the detent on the shaft, may be loosened only lightly and it always remains in the plastic knob. The locking screw provides protection against pulling out!

Care must be taken during installation. Avoid impacts or falls. The lock should not be greased or oiled.

When installing the cylinder, proceed as follows:

1 Take a rough measurement of the door thickness (incl. fittings)

2 Pull the outer knob from the shaft, move the inner knob over the detent system (spacing 2.85 mm) to the required dimension.
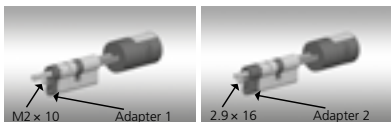

Inner knob

30 mm adjustment path
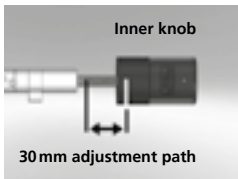
*Schematic illustration
Inner knob*

3 Depending on the door thickness, you can affix an appropriate adapter on the outer side, in order to improve the path for the emergency key.

The following combinations are possible:

Space detent bolt/ fitting (mm) on the outer side	Adapter 1	Adapter 2
< 43	–	–
44 – 53	X	–
54 – 60	X	X

**X: Selection
–: not provided**

Tab. 1: Space detent bolt/mounting [mm] on the outer side and the required adapter.

M2 × 10   Adapter 1   2.9 × 16   Adapter 2

Systematic illustration of adapter fixing

4 Move the secuENTRY pro 7116 Duo cylinder from inside to outside through the mortise lock into the door and then tighten the detent bolt.


5 Shift the inner knob over the shaft until attaining the required dimension. Please make sure that the clearance between the rotary knob and the door mounting is at least 1mm. Then fix the rotary knob using the hex key.

6 Before you fix the outer knob, please consider whether you wish to use the attached cover panel for the profile cylinder section. If so, remove the protective sheet and fix the cover panel onto the lock section.
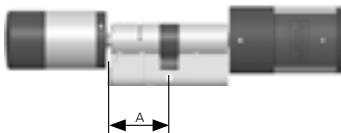

7 Insert the outer knob of the cylinder or the appropriate adapter and tighten with the screw. Please refer to the table for suitable assignment and grading.

Assembly of outer knob
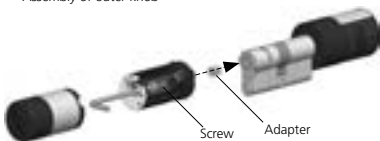
Screw   Adapter

Screws	Adapter length	Dimension A
M4x16	7 mm	< = 32
M4x20	11 mm	32.5 × 36.0
M4x25	16 mm	36.5 × 41.0
M4x30	21 mm	41.5 × 46.0
M4x35	26 mm	46.5 × 51.0
M4x40	31 mm	51.5 × 56.0
M4x45	36 mm	56.5 × 61.0

Overview of the screws and hexagonal adapter Fig. in scale 1:1

M4x16	M4x20	M4x25	M4x30	M4x35	M4x40	M4x45

L = 7	L = 11	L = 16	L = 21	L = 26	L = 31	L = 36

Adapter (L = length in mm)

Diameter 34

Outer side

57

1-29

30

30

1-31

Inner side

52

Diameter 30

Dimensions in mm
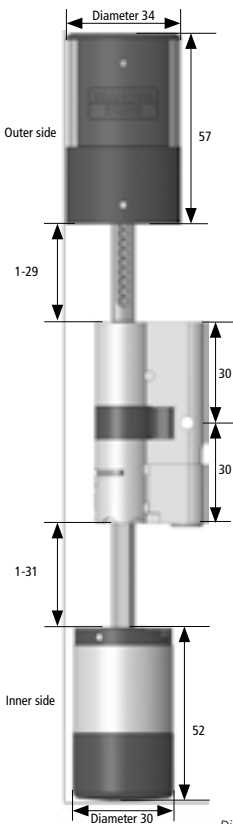
8 Insert the CR123A lithium battery with the correct polarity (positive pole forward)

9 Slide the sleeve onto the inner knob and snap in place.

C. Programming / Function / Operation

The keyboard can be registered to a cylinder either via the keyboard itself or via the secuENTRY software. To operate a cylinder via a keyboard, both units must be matched. Proceed as follows:

Registration using the keyboard

• Activate the keypad using the key ⏻
• Then press *FUNC*, the "Code Change" menu is displayed
• Scroll using the 1 or 2 keys until reaching the Administrator menu
• Confirm with ↵
• Scroll using the 1 or 2 keys until reaching the Administrator menu setup options "Setup"
• Confirm with ↵
• Enter the Admin. Code of the unit to be read
• "Data has been saved" is displayed after a successful registration

Attention! Please make sure that no other powered secuENTRY unit is placed within direct reach of the device during installation of a new keypad or cylinder, as by mistake such unit could be addressed instead of the intended one. When in doubt, disconnect these units from power.

Registration via the secuENTRY software

Please refer to the operating instructions of the respective software.

Attention! For the registration of the secuENTRY pro 7116 Duo profile cylinder, please use only the QR code of the internal knob in the PC software. This is provided with the administrator code. It is not necessary to register the external connector in the PC software.

Opening

The secuENTRY pro 7116 Duo can be operated with fingerprint, the passive transponder or the active transponder, depending on the equipment variant, using a 6-digit number code, the BURG-WÄCHTER KeyApp.

Opening with Pincode

- Activate the keypad using the key ⏻
- Enter the 6 digit PIN code (factory-set to "1-2-3-4-5-6").
  The display indicates "Please use rotating knob!" and the LED integrated in the cylinder flashes once when the opening is successful.
- Turn the cylinder knob

Opening with Fingerprint

- Activate the keypad using the key ⏻
- Move the registered finger from the top to the bottom centrally over the sensor.
  The display indicates "Please use rotating knob!" and the LED integrated in the cylinder flashes once when the opening is successful.
- Turn the cylinder knob

Opening with passive transponder

- Hold the transponder at the front end at a maximum distance of 1 cm from the cylinder knob. The LED which is integrated in the cylinder flashes once upon successful opening.
- Turn the cylinder knob

Opening with active transponder

- Briefly press the opening button 1x at a maximum of 4 m distance from the secuENTRY pro 7116 Duo cylinder knob. The LED which is integrated in the cylinder flashes once upon successful opening.
- Turn the cylinder knob

Opening with BURG-WÄCHTER KeyApp

- Hold your SmartDevice in front of the cylinder knob and press the KeyApp opening button.
- The LED which is integrated in the cylinder flashes once upon successful opening.
- Turn the cylinder knob.

The BURG-WÄCHTER KeyApp can be downloaded from the App Store or from Google Play Store. Just enter the keyword "secuENTRY" or "KeyApp". Compatible with Samsung Galaxy S4, S4 mini, S5 and S5 mini, S6, S6-Edge, S7, S7-Edge, S8, S8Plus from Android 4.3 KitKat or 5.0 Lollipop, Apple iPhone 4S, 5, 5S, 6, 6Plus, 6S, 6S-Plus, 7 and 7-Plus from IOS 10.3.2.

Please check under: **www.burg.biz/secuentry/description** whether other Smartphones are compatible with the App.

When using the Key App opening procedure, please note that the active or passive transponder should not be previously activated using the ⏻key!

<table>
<tr><td colspan="2">D. Technical data</td></tr>
<tr><td>Number of User Codes</td><td>max. 2000</td></tr>
<tr><td>Mechanical emergency opening</td><td></td></tr>
<tr><td>Blocking times</td><td>After 3 x wrong code is entered
1 minute, then always 3 minutes</td></tr>
<tr><td>Power supply</td><td>1 x CR 123A Lithium
2 x MIGNON LR6 ALKALINE</td></tr>
<tr><td>Date / Time</td><td></td></tr>
<tr><td>Calendar*</td><td></td></tr>
<tr><td>Stopwatch*</td><td></td></tr>
<tr><td>Permanent Timer*</td><td></td></tr>
<tr><td>Hotel function / Guest code*</td><td></td></tr>
<tr><td>Hotel function / Transponder*</td><td></td></tr>
<tr><td>Temporary code</td><td></td></tr>
<tr><td>Smart Device / KeyApp*</td><td></td></tr>
<tr><td>Smart Device / KeylessEntry*</td><td></td></tr>
<tr><td>Apple Watch / KeyApp*</td><td></td></tr>
<tr><td>History number</td><td>2000</td></tr>
</table>

* Functions only via the optional secuENTRY Software

Bluetooth Low Energy
Maximum Transmit Output Power 7.5dBm
Frequency usage range 2,402GHz ... 2.483GHz

Additional functions available using the optional secuENTRY Software, for example:
• Setup User
• Timer and calendar functions
• Assignment of authorisations

Optical signalling inner knob

The optical signal in form of a LED is incorporated in the knob on the inner side of the door.

This LED informs you on the following:

- 1 x short: Cylinder is engaged
- 2 x short: Cylinder is released
- 3 x short: Transponder Tag recognized, no opening authorization
- 4 x short: Permanent opening activated
- 1 × short, 1 × long, 2 sec. pause,
  Repeat: Lock in programming mode
- 5 × short, 2 sec. pause,
  Repeat after 20 seconds: Empty battery in the cylinder

Optical signalling outer knob

The optical signal in form of a LED is incorporated in the knob on the outer side of the door.

This LED informs you on the following:

- 1 x short: Cylinder is engaged
- 2 x short: Cylinder is released
- 3 x short: Transponder Tag recognized, no opening authorization
- 4 x short: Permanent opening activated
- 1 × short, 1 × long, 2 sec. pause,
  Repeat: Lock in programming mode
- 5 × short, 2 sec. pause,
  Repeat after 20 seconds: Empty battery in the cylinder

E. Battery replacement

E-1. Battery replacement inner knob

- Using the attached hex key, loosen the top locking screw on the cylinder cover. It can be turned out only up to the opening of the cover and will not fall out.
- Open the cover.

.

• Replace the batteries. Make sure the batteries are inserted with the correct polarity, indicated at the marked point on the housing. Replace the cover.

E-2. Battery replacement outer knob

• Push the ratchets with the enclosed tool and remove the knob sleeve.
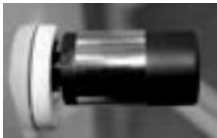

• Replace the battery with the correct polarity.

• Carefully push the knob again.
  Please note: Latching is only possible in one position!

Attention! Be careful not to nip the cable.
Make sure that the O-ring is correctly placed.

• Re-engage the knob sleeve.

Using the mechanical emergency key, you can provide access in case of failure of the system.

1 Swing the emergency key open and then insert it into the indicted slot in the cover panel.

2 Turn the key 90° clockwise. If required, move the outer knob slightly to the right and left in order to release the mechanism.

3 Turn the outer knob. The lock opens when fully turned at the latest.

Turn the key to its initial position and take it out. To close the emergency lock, the knob shall be turned twice fully in both directions.

G. **Warranty / Environment**

Warranty

In order to provide you with a perfect, high-quality product and to help you if service or repair is required, the faulty or defective devices together with the valid administrator code and the QR code (s) should be submitted to your handler with the original purchase document.

In the case of returns due to your right of withdrawal all parts of the device must be in the factory setting and the seals on the cylinder and the knob must be undamaged. If these conditions are not met, the warranty expires.

Important information about our electronic locks

General: Please take care that the codes and the code carrier do not fall into the wrong hands. Therefore, store the codes and code carrier at a safe location so that these can only be accessed by authorised persons. In case you loose a code or code carrier, the lock must be converted to a new code / code carrier, or replaced.

– *The factory code must be changed as soon as the lock is commissioned.*
– *Simple codes that are easy to guess (e.g. 1, 2, 3, 4, 5, 6) must not be used.*
– *Personal data (e.g. birthday) or other data that may be concluded with knowledge of the code owner must not be used as code.*
– *After changing the code, the lock must be checked several times with the safety door opened.*

Disposal of the device

Dear Customer,

Please help us avoid unnecessary waste. Should you intend to dispose of this device at any time, please remember that many components of this device contain valuable materials, which can be recycled.

Please be aware that electrical and electronic equipment and batteries shall not be disposed of as household waste, but rather collected separately. Please obtain information on the collecting points for batteries and electrical waste from the responsible authority of you municipality.

$\mathsf{C}\,\mathsf{E}$ *BURG-WÄCHTER KG hereby declares that this device complies with Directive 2014/53 / EU (RED) 2014/30 / EU (EMC) and 2011/65 / EU (RoHS). The full text of the EU Declaration of Conformity can be found at info@burg.biz.*

Regarding interferences from Bluetooth devices

Bluetooth devices use the same frequency bandwidth (2.4 GHz) as Wi-Fi devices. This can lead to interference, which causes errors or interrupts communication. In such cases devices that are not required should be de-energized.