

Quick Guide

Valid from Firmware 2.2.14



CX6110 Electronic Cylinder



CX6110



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1 General



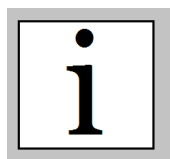
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Information given in this operating manual is subject to change without notice. In such a case, all previous information becomes invalid.

Uhlmann & Zacher GmbH does not accept any liability for damage resulting from erroneous or incomplete information.

Uhlmann & Zacher GmbH directs you to the generally valid ESD protective measures.

1.1 Intended use



CX6110 cylinder is intended for installation on building doors. They should be fitted with a corresponding lock and fitting. Furthermore, the

CX6110 cylinder is only meant for locking and unlocking doors.

Only the components approved by U&Z should be used for installation. The CX6110 cylinder replaces a standard closing cylinder and is not suitable for operating as a knob or pressure device.

The CX 6110 cylinder is intended for installation in DIN locks with Europrofil cylinders.

All other uses are prohibited.

1.2 Safety and operation



No modifications of any kind on the cylinder are permitted except those described in the manual.

Installation and battery replacement may only be done by trained personnel in accordance with this manual.

This manual should be handed over to the user by the person installing the product.

The cylinders must only be lubricated using the special resin-free oil.

The cylinders must not be exposed to paint or acids.

The batteries must not be charged, opened or heated.

Wrong polarity when inserting the batteries can cause damage.

When changing the batteries, change both batteries at the same time, even if one battery appears to have adequate charge.



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The cylinder must not be used in areas where explosions can happen.

Only use the specified batteries.

If the batteries or the cylinder heat up above the specified storage temperature, then this can cause fire and explosion.

To avoid malfunctioning and damage, use only original Uhlmann & Zacher parts and accessories.

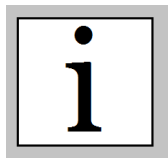
However, no liability can be accepted for wrongly programmed cylinders. If there are disruptions, such as access not possible for

injured persons, property damage or other damages, Uhlmann & Zacher GmbH is not responsible.

Unauthorised modifications and changes in the product are not permitted.

The electronic cylinders must not be used for locking emergency life-saving aids (e.g. defibrillator, emergency medication, fire extinguisher etc).

1.3 Disposal



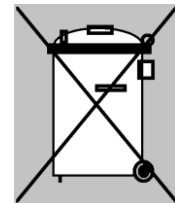
To ensure environmentally friendly recycling, the device, as well as the packaging must be disposed in an ecologically friendly manner.

The packaging is recyclable and should not be disposed of in the household waste but recycled.

Batteries

Lithium batteries are needed to make the cylinder work. Improper use of lithium batteries can cause fires and explosions.

Defective or spent accumulators and batteries must be recycled according to the European Directives 2006/66/EG. Please keep up to date on the local stipulations for segregation and disposal of batteries. Correct disposal will protect the environment and people from negative consequences.





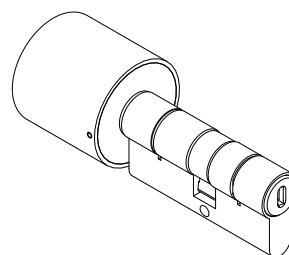
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2 Product details

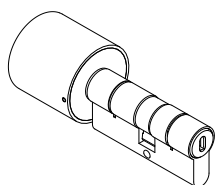
2.1 CX6110

CX6110: Clex prime electronic cylinder, standard length from 30/30 mm, special lengths from 26/35 mm, version for internal and external building locking doors (depending on the execution), cylinder casing nickel-coated brass, for transponder-keys incl. forend screws and batteries



CX6111: Clex prime electronic cylinder, basic version, like CX6110, but without date/ clock time and events memory

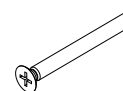
2.2 Scope of supply



Electronic cylinder
CX6110



2x Battery CR2, 3V



Forend screw

3 Indicators

Operation	Audible signal	Explanation of icons
Rest mode		<u>Audible signals:</u> — = long, deep tone ○ = short, high tone
Begin programme mode	— ○	
End programme mode	○ —	
Transponder key not authorised	—	
Battery warning	○ ○ ○ ○ ○	
After battery change:	—	



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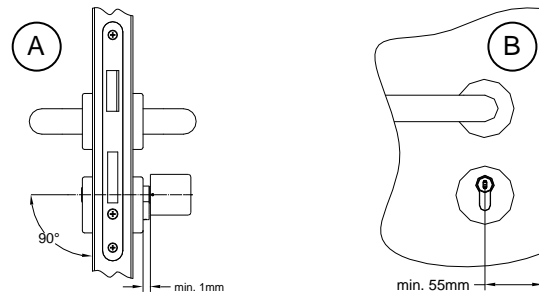


4 Assembly

4.1 General points to note

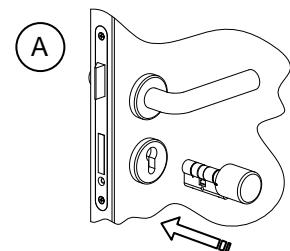
Internal and external handle must be screwed on to the door panel such that the cylinder can be pushed into the PC hole of the lock without using force. Ideally, the central axis of the cylinder is at an angle of roughly 90 degrees to the door panel. The knob must be in contact with the internal door furniture, so there should be a distance of at least 1 mm between knob and door panel. (A)

The stud dimensions of the lock must be be at least 55 mm. (B)

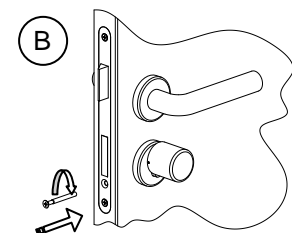


4.2 Assembly

1. If present, remove the forend screw and disassemble the existing cylinder.



2. Push in CX6110 and fasten with forend screw. (A+B)



i **Important:** Immediately after assembly, make sure that the components move freely.

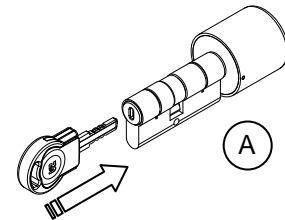


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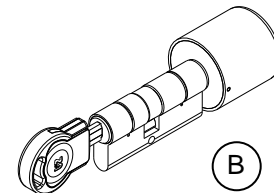


5 Operation

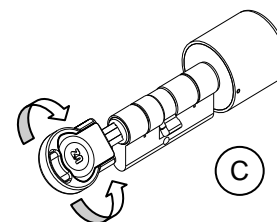
1. Insert authorised transponder key into the electronic cylinder. (A)



2. After reading the transponder key, the electronic cylinder engages. (B)



3. Turn transponder key and perform the closing sequence. (C)





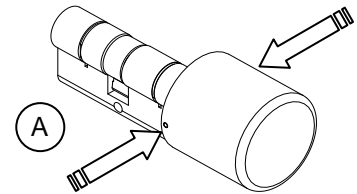
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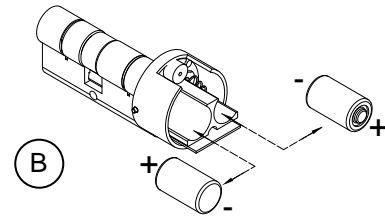
6 Batteries

6.1 Changing batteries

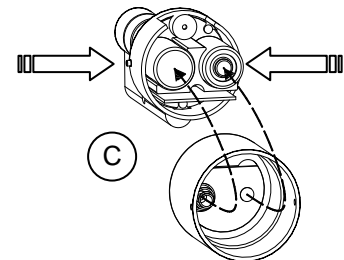
1. Push in locking pins using a pointed object and at the same time pull out the sleeve. (A)



2. Changing batteries (ensure correct polarity). (B)



3. Push in locking pins and push the sleeve on to the knob, until the locking pins latch into the designated recesses in the sleeve. (C)



Important: Ensure the correct alignment of the sleeve (pressure spring on the negative pole of the battery).



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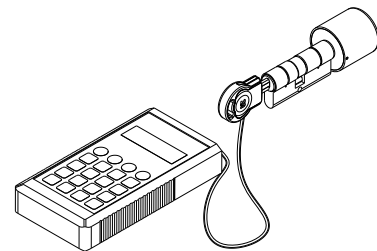


6.2 Low-power opening

Using the service device CX6510, key adapter cable CX6540 and service key CX6530, the electronic cylinder CX 6110 can be powered externally. Hence, the CX 6110 can be opened even if the batteries are spent.

Important: Always ensure that the battery in the service unit is full.

1. Connect key adapter with service device and cylinder.
2. Execute the menu item *Service opening / ESC Low power opening* in the service unit.
3. When prompted, hold the service key to the front side of the service unit.
4. The electronic cylinder connects; the closing sequence can be performed.





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7 Technical data

Product designation	Clex prime electronic cylinder
Product number	CX6110
Dimensions	Dimension of the cylinder for Europrofil locks conforming to DIN 18252
Cylinder lengths	From 26/35 mm or 30/30 mm to 70/70 mm in 5-mm steps
Length of the knob	40.0 mm
Diameter of the knob	40.0 mm
Power supply	Battery, 2 pieces, Type CR2 Lithium 3 V
Battery life cycle	Up to 50,000 operations or up to 4 years of product life in installed state without operations
Low-Power-opening	Always possible with the Clex service device
Operating temperature	-20 °C to +65 °C
Storage temperature	-20 °C to +65 °C
Installation location	Internal and building locking doors (knob inside the building area), depending on the product version
Standards	DIN EN 50081-1 – Issue: 1993-03 DIN EN 50082-2 – Issue: 1997-11 RL 2004/108/EG