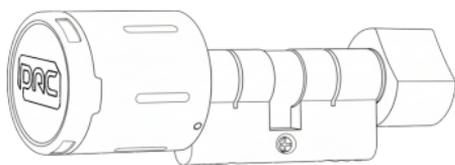


PAC Lock Solutions

Electronic Cylinders - Quick Start Guide

Jan 2026 v1.0



QR codes to download manuals at rear

Technical
Support

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1.0 What's in the box?

PLCYL3535 PLCYL3535E	 x1	 x1	 x1
PLCYL3535D PLCYL3535DE	 x1	 x1	 x1
PLCYL3010H PLCYL3010HE	 x1	 x1	



items shown are not to scale

COMELIT PAC
F E E L · S E C U R E

Health and Safety

The product is intended to be installed on building doors and for unlocking the doors. It is compatible with the commonly used European standards for locking systems. The product can be used for internal and external doors (depending on the product version). It can be installed in all the common doors such as wood, steel and aluminium doors as well as doors with narrow frames having a backset of more than 18 mm (depending on the product version). The assembly should be carried out only by trained installation engineers. Only the components approved by COMELIT-PAC should be used for installation and maintenance. Any other use is considered as improper and may result in damage to material or even in physical injury.

This product should NOT be used in the following circumstances:

- To incarcerate people or animals.
- To secure required items for emergencies, e.g. defibrillator, emergency medication, fire extinguishers, etc.
- If the housing or electronics are damaged.
- For external installations (depending on product version).
- In doors that do not open freely or on doors or lock cases that are damaged.
- As a stopper against obstacles.

General safety instructions

Follow these basic safety instructions when using the door handle:

- Installation and battery replacement should only be performed by qualified technicians according to the instructions in this operating and assembly manual.
- Do not use the door handles in potentially explosive areas.
- Do not make any kind of modifications to the door handles, with the exception of those described in this operating and assembly manual.
- Do not apply paints or acids to the door handles.
- Do not heat the door handle and battery beyond the specified storage temperature.



Use only original spare parts, accessories and batteries from COMELIT-PAC.

RFID Devices

It is possible that interaction between your RFID credential and other devices in the vicinity may cause incorrect operation or recognition. Should you suspect that you have experienced such a problem, ensure the interfering device is out of range.

Lithium Batteries

Failure to read the following guidelines carefully may result in injury.



Danger of explosion if lithium batteries are incorrectly replaced or handled.

- Take steps to ensure that lithium batteries are never short circuited.
- Always store lithium batteries separately in non-conducting materials.
- Never replace a lithium battery with the incorrect type.
- <https://www.gov.uk/guidance/consumer-products-recycling-batteries-and-electrical-waste>
- Be compliant with your local / national lithium battery disposal laws.

Important Information



PAC Lock requires Access Central™ 5.6.15 or later and a valid PAC Lock Licence.

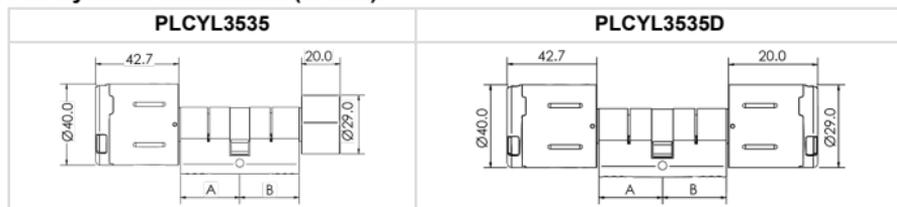
The PAC Lock solution is designed to be installed in DIN locks with Europrofile cylinders.



Batteries must be purchased from COMELIT-PAC. Non-compliant batteries will invalidate the warranty and may impair or damage the equipment.

2.0 Dimensions

Full Cylinder dimensions (in mm)



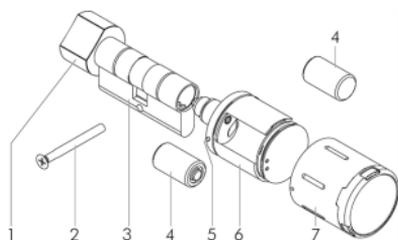
'A' length / outside in mm (min. 26) 30–70 increment in 5mm intervals

'B' length / inside in mm (min. 26) 30–70 increment in 5mm intervals

PLCYL3510H (mm)

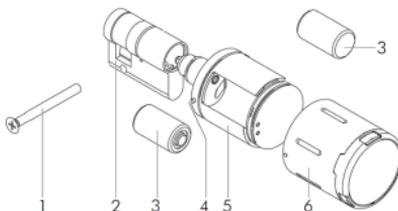


3.0 Cabinet Lock layout



- 1 Mechanical knob (inside)
- 2 Fixing screw
- 3 Cylinder casing
- 4 Battery
- 5 Sleeve-locking pin
- 6 Electronic knob (outside)
- 7 Knob sleeve

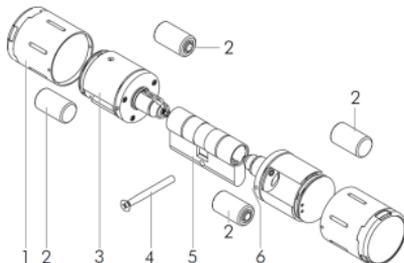
PLCYL3510H



- 1 Fixing screw
- 2 Half-cylinder casing
- 3 Battery
- 4 Sleeve-locking pin
- 5 Electronic knob (outside)
- 6 Knob sleeve

4.0 Two-sided components

PLCYL3535D



- 1 Knob sleeve
- 2 Battery
- 3 Electronic knob
- 4 Fixing screw
- 5 Cylinder casing
- 6 Sleeve-locking pin

5.0 Installation Information

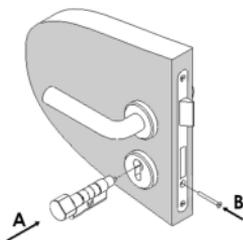


Not suitable for Fire doors

- Verify all compliance standards when installing a PAC Lock door handle.
- Install the PAC Lock with the door OPEN.
- Ensure that the latches or seals fitted to the door do not hinder the proper operation of the PAC Lock.
- Ensure that the knob cylinder does not protrude and prevent the door from swinging freely.
- Before assembling the knob cylinder, always check whether all the components can move freely.
- After installation, check the function with the door open.

5.1 Installation steps

Install a Thumb Turn



1. Remove the existing cylinder from the door following the manufacturer's instructions.
2. Insert the PAC Lock cylinder housing (A) and electronic knob into the lock.
The cylinder body must at least be flush with the outer door surface and not protrude the enclosing fitting by more than 3 mm.
3. Tighten the fixing screw (B) by hand.
Do not use a battery-operated screwdriver with a high torque.
4. The axis of rotation and the seating of the knob must be fitted on a flat surface, and they must be flush with each other.



5. The electronic knob is mounted into the cylinder casing by inserting and turning at the same time.

Ensure that the knob cylinder operates easily and smoothly with the door open.

6.0 Commissioning steps

We recommend the Installation Card is kept in a safe place and only accessible by authorised personnel and staff.

In the event of a lost Installation Card you can:

1. Replace the electronic cylinder and program with a new Installation Card.
2. Reprogram the electronic cylinder with a new Installation Card.
3. Amend the current programming and block / delete the coding of the lost card.

Transport mode to protect unnecessary battery discharge

To protect the battery from discharging during transport, the PAC Lock electronic cylinder is placed in 'transport mode' until initial commissioning.

Please use one of these options to exit 'transport mode' and enable standard operations.

Option 1



1. Turn the knob a few times until the LED illuminates.



2. Only present the Installation Card to the reader **after** the LED lights up.

Option 2

- Remove the battery for at least 10 seconds and reinsert the battery.
- See Replacing the Battery from more details.

7.0 Add PAC Locks – PAC software

The following are required to configure a PAC Lock:

- Windows 11 Professional or above / Windows Server 2019 or later.
- Access Central™ v5.6.x or later installed with local windows administrator privileges.
- PAC Lock Feature Pack licence(s) per 20 Offline Locks applied.
- A login to Access Central with Installer privileges.
- At least one PAC Lock device is available for configuration.
- A pack of OPS™ DESFire EV3C credentials (at least 3× required for configuration.)



PAC Lock Solutions are only compatible with PAC OPS DESFire EV3C credentials.

Refer to Access Central Help file for User and Card management details.

- A PAC Lock Updater.
 - PAC Lock configuration software (Clex SCT) installed on a Bluetooth® enabled device.
- We recommend installing this software on the same Access Central client to make sharing XML configuration files easier during initial set up.

7.1 Generate PAC Lock Settings

1. **Connect the PAC Lock Updater via the supplied USB cable.**
2. Login to Access Central with **Installer rights**.
3. Select **Hardware** from the Navigator window on the left-hand side.
4. Select **Offline Hardware** tab, click **Settings** then click **Generate New**.
5. Copy the values for both **Application ID** and **Application Key**.



You must create Installation Key 0 before opening Clex SCT to add these values to the database.

6. Click **OK** to close the window and click **OK** to close the pop-up.

7.2 Create Admin Cards

Follow these steps to create an Installation card:

1. Navigate to **Offline Hardware** in Access Central.
2. Click **Settings** and present the credential to the PAC Lock Updater when prompted.
3. An onscreen pop-up and a solid green LED on the Updater will confirm completion.

7.3 Add PAC Locks in Access Central



All Offline Doors will share the same configuration per Access Central Organisational Unit.

1. Navigate to **Offline Hardware** in Access Central.
2. Click **New > Offline Door** and fill in the required details then click **Save**. Repeat for each Offline Door required.
3. Select the appropriate Offline Door and click **New > PAC Lock**.
4. Fill in the required details and click **Save**. Repeat to add additional PAC Locks.

7.4 Download config file from Access Central

New Offline Locks must be uploaded into Clex SCT to update the database.

1. Navigate to **Offline Hardware** in Access Central and click **Settings**.
2. Click **Download Full Config** and click **OK** to close the pop-up and continue.
3. Browse to a folder that is accessible from Clex SCT and click **Save**.
We recommend using a meaningful filename to help you identify for future use e.g. <OrgUnit>_fullconfig.
4. Click **OK** to close the confirmation pop-up and click **OK** to apply changes.
5. Click **OK** to close the pop-up and return to the Access Central **Offline Hardware** window.

8.0 Create PAC Lock database

1. Open Clex SCT, click  **Menu** then select  **Create New Database**.
2. Ignore any status message relating to COM PORT connection (bottom of screen) – we are using BLE Device communications.
3. Present the Installation Card to one of the PAC Lock devices.
 - 3.1 A beep will signal the card has been read.
 - 3.2 The blue LEDs will flash twice slowly, then rapidly for a few seconds.
 - 3.3 A final beep will signal the process is complete and the main screen has a white background.
4. Click  **Apps** then click  **Settings**.
5. In the Communication section, ensure “**Always Transfer RFID-Segment**” is ticked.

8.1 Create a Site



Every Access Central Organisational Unit must have a corresponding Clex SCT “Site.”
Clex SCT will use the Site ID generated in the section Generate PAC Lock Settings.

1. Click  **Sites**, click  **Menu** click  **Add New Site**.
2. Click on the **Name** value for the appropriate row and edit e with your required **Name**.
3. Click in the **RFID settings** column, next to the required site.
4. The Application ID and Application Key must match in both Clex SCT and Access Central.
5. Edit **AID** in Mifare DESFire setting:
 - 5.1 Click the value to the right of **AID** and replace the value between “**0x**” and “**//**” with the copied App ID from *Generate PAC Lock Settings*. E.g. “0xX99999//”.
 - 5.2 Please ensure there is a space before “//”.
6. Edit **DESFIRE Key** in Mifare Key(s) setting:
7. Click the value to the right of **DESFire Key** and overwrite the value after “0x”.
8. Click  **Save Site** to save changes and return to the main menu screen.

8.2 Load Config to PAC Lock configuration software

1. Click  **XML Interface**, click  **Menu** then click  **Load XML File**.
2. Browse to your XML file location and open the appropriate XML file.
3. Click  **Apps** to return to main menu then click  **Clex Lock Units**.
4. Click on the Door Name value of the required PAC Lock device to select it.
5. Present the **Installation Key** to the appropriate PAC Lock device.
6. A single beep with a blue LED confirms the PAC Lock device is in config mode and the blue LEDs will flash slowly during this period.



After 20 seconds of inactivity the Updater will exit config mode.

7. Click  **Transfer Settings** to transfer the settings to the PAC Lock device. A pop-up message will confirm the process has started.
8. Click **OK** to continue and the PAC Lock blue LEDs will flash rapidly during this process.
9. When all items on the Clex SCT progress window display a tick click **OK**. The PAC Lock device will beep once, and the PAC Lock serial number will be populated for the updated device.
10. **Optional: Repeat from step 4 to update additional PAC Lock devices.**

8.3 Save Config Result File

1. Click  **Apps** then click  **XML Interface**.
2. Click  **Menu** then click  **Save XML File** (top option) to save the XML configuration results file. Browse and click on the appropriate results file.
3. Click **Save** and click **OK** to close the pop-up, then click  to exit Clex SCT.

9.0 Upload Config Result into Access Central

1. Navigate to **Offline Hardware** in Access Central.
2. Click **Settings** to display the Offline Lock Settings window.
3. Click **Upload Config Result** and click **OK** to close the pop-up.
4. Browse to the appropriate "Results-..." file and click **Open**.
5. Click **OK** to close the update message and click **OK** to close Offline Lock Settings window.
6. Click **OK** to close the pop-up window.
7. When complete, the PAC Lock icon will reflect the operational status.



An unconfigured Lock awaiting updates



A fully configured Lock



You are ready to add cards to Cardholders in Access Central.

10.0 Knob and Cylinder Operation

Automatic 'wake up'

The PAC Lock Knob and Cylinder will reside in 'sleep mode' when not in use. Under standard operating conditions the PAC Lock will 'wake up' automatically when a credential is presented for authorisation.



Automatic wake up can be affected by environmental interference.

If the PAC Lock Knob reader is 'woken up' 24 times without reading a credential e.g. by metallic objects in the surroundings, automatic wake up is **disabled** and must be woken up manually.

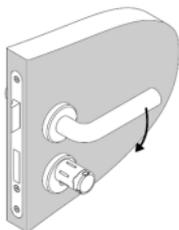


1. Turn the knob a few times until the LED illuminates.
2. Only present the **Installation Card** to the reader **after** the LED lights up.
3. Automatic 'wake up' is reactivated for future credential authorisation.

Unlocking / Locking process



1. Present a credential to the reader until the green LED illuminates.
2. The knob cylinder is engaged (activated) and can be used to unlock or lock the door.



3. During the engagement time duration, the door handle can be used to open the door.

Maintenance

Clean the door handle with a slightly damp cloth using only commercially available household cleaners.



Do not use any abrasive or caustic cleaning agents.

LED & Audio Signals

Audible signal	Visual signal	LED
 Short beep	  Solid LED	 Green
 Long beep	  Flashing LED	 Red
Rest mode	n/a	
Begin service mode	 [Long beep then a short beep & green LEDs flash]	
End service mode	 [Short beep then a long beep]	
Key added	 [2× short beeps & green LEDs glow]	
Key deleted	 [2× long beeps & red LEDs glow]	
Read mode (after waking)	 [Red LEDs flashing]	
Key not authorised	 [Long low beep & red LEDs glow]	
Key authorised	 [Green LEDs glow]	
Reset	 [Long low beep & LEDs glow in succession]	
Battery warning 1: Low power	 [5× short beeps & red LEDs flash ×5]	
Battery warning 2: Replace soon	 ..., 5 sec delay &  [5× short beeps, red LEDs flash ×5, 5 second lock engagement delay and green LEDs flash]	
Battery warning 3: Replace now	 [5× short loud beeps, red LEDs flash ×5, NO lock engagement <u>but</u> battery replacement now possible]	

11.0 Battery Notifications

Audio and visual signals are provided to alert the user to reduced battery power during the **final 1,000 operations** of the battery.



Batteries must be purchased from COMELIT-PAC. Any use of non-compliant batteries will invalidate the warranty and may impair or damage the equipment.

Reordering information for batteries: **CR123A Lithium 3V PLCYLB02**

No Power Supply

The access data, events log, settings of the door handle and the time are stored on non-volatile memory and are retained even when there is no power supply, e.g. when changing the battery or if the battery discharges completely.

The time is written to the non-volatile memory once every 30 minutes. If the power supply remains off, the clock comes to a standstill after a few seconds and starts running from the last stored value onwards after the power supply is restored.



After any power interruption check the time and set it if necessary.

Alert Type	Audio / Visual Signal	Trigger Action
1) Low Power	<ul style="list-style-type: none">• 5 × beeps• 5 × flashing red LED	Access is authorised and door unlocks
2) Replace Battery Warning	<ul style="list-style-type: none">• 5 × beeps• 5 × flashing red LED• 5 second delay to door operation & flashing green LEDs	Access is authorised and door unlocks
3) Change Battery Immediately	<ul style="list-style-type: none">• 5 × beeps• 5 × flashing red LED• 5 second delay to door operation & flashing green LEDs	Access is not authorised and door REMAINS locked

Technical Data

Radio frequency	2.4 GHz BLE
Transmission power	4mW
RFID frequency	13.56 MHz
RFID field strength	According to EN 300 330
Batteries	Type CR123A Lithium 3V

12.0 Troubleshooting

Fault Audio Signals

Memory fault / configuration fault	◀-----•	[5× long beeps then 1× short beep]
Coupling error	◀-----••	[5× long beeps then 2× short beeps]
RTC fault (clock)	◀-----•••	[5× long beeps then 3× short beeps]
Internal error (unhandled interrupt)	◀-----••••	[5× long beeps then 4× short beeps]
Internal error (bus conflict)	◀-----•••••	[5× long beeps then 5× short beeps]
Internal error (bus conflict)	◀-----••••••	[5× long beeps then 6× short beeps]
Internal error (bus conflict)	◀-----•••••••	[5× long beeps then 7× short beeps]

Software solutions

Security card (credential) is not working

- Ensure PAC OPS DESFire EV3C credentials are being used.
- Check card has been added to Cardholder.
- Check card has been encoded for Offline use.
- Check Offline Access Groups are set up.

PAC Lock Updater has a red LED

- Disconnect and reconnect connector, and try again.
- Verify correct card is being encoded.

Security card (credential) is not working

- Ensure PAC OPS DESFire EV3C credentials are in use.



Knob Cylinder & Thumb Turn 35/35

PLCYL3535
PLCYL3535E



DUAL Cylinder Electronic Knob 35/35

PLCYL3535D
PLCYL3535DE



HALF Cylinder Electronic Knob 35/10

PLCYL3510
PLCYL3510E

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