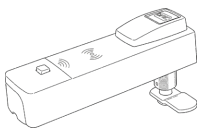
PAC Lock Solutions

Electronic Cabinet Lock - Quick Start Guide

Jan 2026 v1.0



QR codes to download manuals at rear

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1.0 What's in the box?

PLPCABLOCK	 ×1

1:1 items shown are not to scale

Important Information

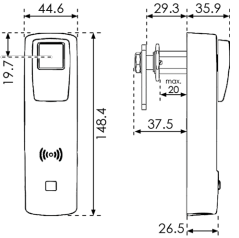
PAC Lock requires Access Central™ 5.6.15 or later and a valid PAC Lock Licence.

The PAC Lock Electronic Cabinet Lock is designed to be installed in cabinet doors of up to 20 mm thickness and opening them.

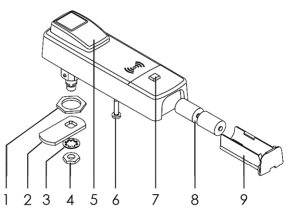
Batteries must be purchased from COMELIT-PAC. Non-compliant batteries will invalidate the warranty and may impair or damage the equipment.

2.0 Dimensions

Dimensions (in mm)

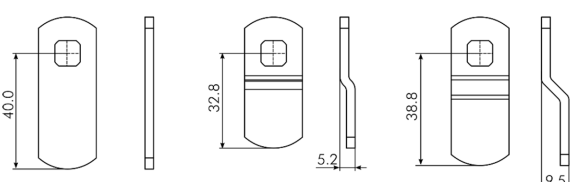


3.0 PLPCABLOCK layout



1. Mounting nut (Cabinet lock)
2. Mounting screw
3. Locking lever (has to be ordered separately)
4. Button for manual activation
5. Lock washer
6. Battery
7. Mounting nut (locking lever)
8. Battery compartment
9. Operating lever

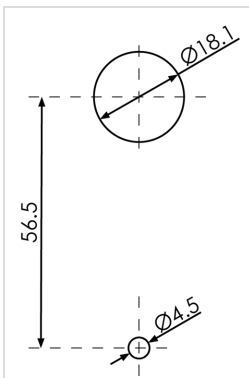
Different versions of the locking lever



4.0 Installation Information

- Installation should be performed with the door in an open position.
- Any latches or seals fitted to the door must not hinder the proper operation of the PAC Lock.
- Ensure that the cabinet lock does not protrude and prevent the door from swinging freely.
- After assembly, check the function with the door open.
- The locking lever should be tightened with a maximum torque of 1 Nm.
- The operating lever can be rotated by 90°, the down position corresponds to the closed state.

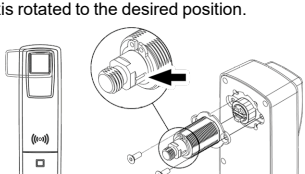
Installation drilling template (not to scale)
All measurements in mm.



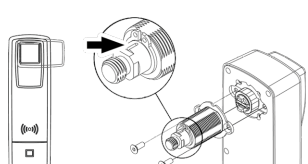
4.1 Lock opening direction

The operating lever direction is determined by the position of the groove in the threaded bolt.

To change the direction of rotation, the threaded bolt must be unscrewed and the rotary axis rotated to the desired position.

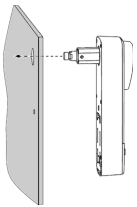


- Turn the lever to the LEFT to open.
- The groove points to the RIGHT.

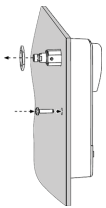


- Turn the lever to the RIGHT to open.
- The groove points UP.

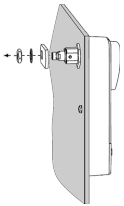
4.2 Assembly



1. Insert the cabinet lock into the holes in the door.



2. Mount the cabinet lock using the mounting screw (max. torque: Nm) and mounting nut (max. torque: 5 Nm).



3. Secure the locking lever and lock washer with the mounting nut for the locking lever (max. torque: 1Nm).

Check the cabinet lock operates.

5.0 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.

5.1 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.

5.2 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.

5.3 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.

5.4 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.

6.0 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.

6.1 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. "0x**X99999** //".
   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.

6.2 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.**

6.3 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.

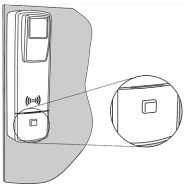
7.0 Upload Config Result into Access Central

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.

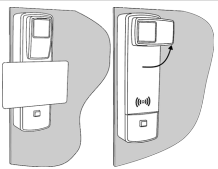
8.0 Operation



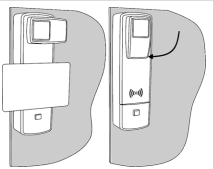
1. Wake up the cabinet lock by pressing the button.
2. Hold the authorised key in front of the reading unit until the green LED is solid.

3. Open or close the cabinet by turning the operating lever by 90°. The lock will disengage immediately after turning, if the locking time has not already expired.

If the lever is not turned within the locking time (default 5 seconds), the lock will disengage.



Cabinet Lock in open position



Cabinet Lock in closed position

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	[Two short beeps]
End service mode	[Two short beeps]
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 but battery replacement now possible]

9.0 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: **CR2 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	• 5 × beeps • 5 × flashing red LED	Access is authorised and door unlocks
2) Replace Battery Warning	• 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	• 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

Dimensions	148.5 (h) × 44.7 (w) × 35.0 (d) mm
Door thickness	Up to 20mm
Radio frequency	2.4 GHz BLE
RFID frequency	13.56 MHz
Battery type	Type ER14505M Lithium 3.6V
Battery life	Up to 180,000 operations
Temperature	Operating: +5° C to +55° C Storage: –40° C to + 65° C
Environment	Indoor use only
Radio Equipment Directive	2014/53/EU

10.0 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.

QR codes for manuals

Cabinet Lock

PLPCABLOCK

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