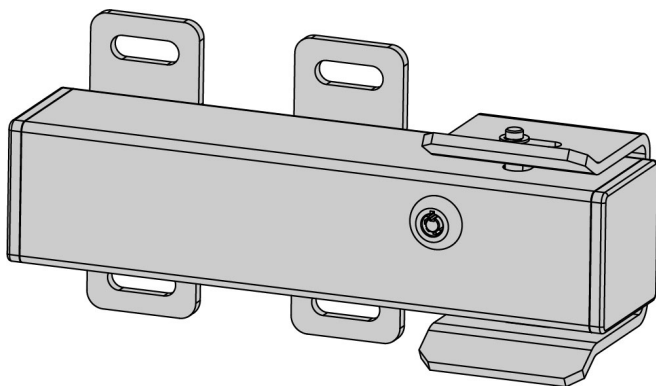




Electric Lock User's Manual

Model:

ET24



TOPENS Website

www.topens.com



Important Note:

- ✧ The open delay time of the 2 actuators must be set to more than 4S if the electric lock is used with dual swing gate opener which is powered by the DPS180-U AC-DC power supply, or the gate opener would work improperly.
- ✧ Electric lock improves the safety for your gate, and it is highly recommended if you have animals or live in areas affected by strong winds when the gate is longer than 1.5 meters (7ft).

Electric Lock Part List

	
Lock with 5m of power cables	Lock Receiver
	
Lock Keys (for manual release)	Lock Plus Board (LP-ET24)

Important Information:

1. Before you install the Electric Lock please be sure the gate is level, moves freely, and does not bind or block against barriers.
2. ***On the Pull-to-Open installation, for the Electric Lock to work properly, in order to ensure the lock engaging with the lock receiver firmly, the limit switch B must be moved outward a little bit more than the desired close position.***
3. The Electric Lock must be installed on the outside of the gate if on the **Push-to-Open** gate.
4. Due to the various mounting conditions, mounting hardware is not

provided. Read this manual carefully to determine the mounting hardware required for your condition.

5. For dual gate, the lock must be installed on the Master Gate (gate 1) which is near the Control Box, and the lock receiver must be installed on the Slave Gate (gate 2).

(If the gate near the control box has been set up as slave gate, you can change the settings following “User’s Manual” → “Control Board Settings” → “Master/Slave Gate Set”)

Installation for Single Gate

Step 1: Disengage the clutch of the opener with the Release Key. You can move the gate by hand, so the gate can swing freely during installation of the Electric Lock.

Step 2: With the gate in the closed position, determine the best location for the lock and receiver. The lock and receiver must be level and aligned with the opener. The lock and receiver should have a solid surface or tube fence to provide stability.

Step 3: For **Metallic Tube** gate, if the thickness of the fence post is bigger than or equal to 3mm, you can thread on the fence post, and fasten the lock and receiver only using bolts (without nuts). Otherwise, drill holes through out the fence post, and fasten the lock and receiver with bolts, lock washers and nuts.

Of course, you can weld them directly.

For **Chain Link** gate, you will need U-Bolts, saddles, lock washers and nuts for the lock and receiver.

Step 4: Recheck the lock’s position and alignment, make sure the electric lock work correctly.

Step 5: Connect the lock’s power cables to E-Plus board or the control board of TOPENS swing gate opener refers to the **chapter “Wire Connection of the LOCK”** .

Note: Be sure that the clutch of the opener is engaged before you prepare to activate your opener (Use the Release Key).

Figure A

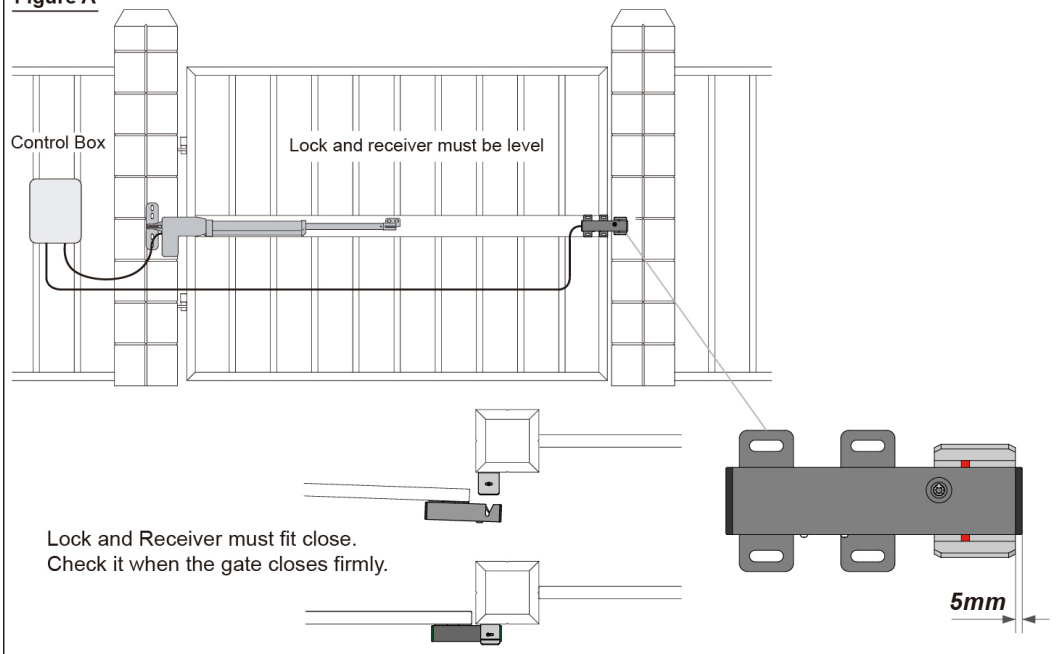
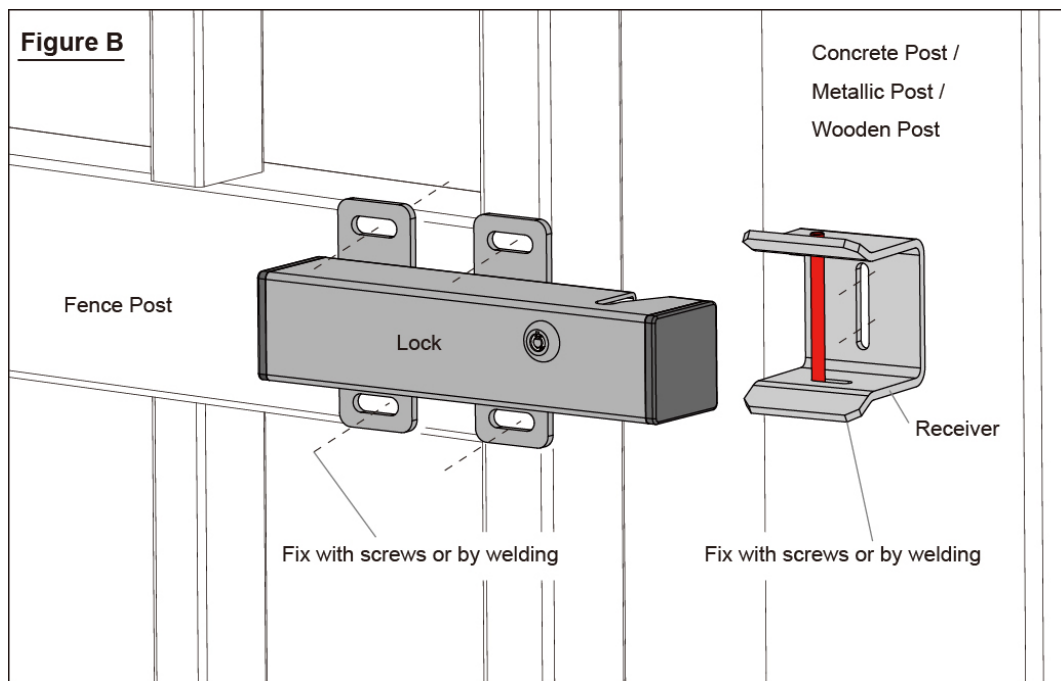


Figure B



Installation for Dual Gate

Step 1: Disengage the clutches of the openers with the Release Key. You can move the gates by hand, so the gates can swing freely during installation of the Electric Lock.

Step 2: With the gates in the closed position, determine the best location for the lock and receiver. The lock and receiver must be level and aligned with the openers. The lock and receiver should have a solid surface or tube fence to provide stability.

Step 3: For **Metallic Tube** gates, if the thickness of the fence post is bigger than or equal to 3mm, you can thread on the fence post, and fasten the lock and receiver only using bolts (without nuts). Otherwise, drill holes through out the fence post, and fasten the lock and receiver with bolts, lock washers and nuts.

Of course, you can weld them directly.

For **Chain Link** gates, you will need U-Bolts, saddles, lock washers and nuts for the lock and receiver.

Step 4: Recheck the lock's position and alignment, make sure the electric lock work correctly.

Step 5: Connect the lock's power cables to E-Plus board or the control board of TOPENS swing gate opener refers to the ***chapter "Wire Connection of the LOCK"***.

Note: Be sure that the clutches of the openers are engaged before you prepare to activate your openers (Use the Release Key).



Figure C

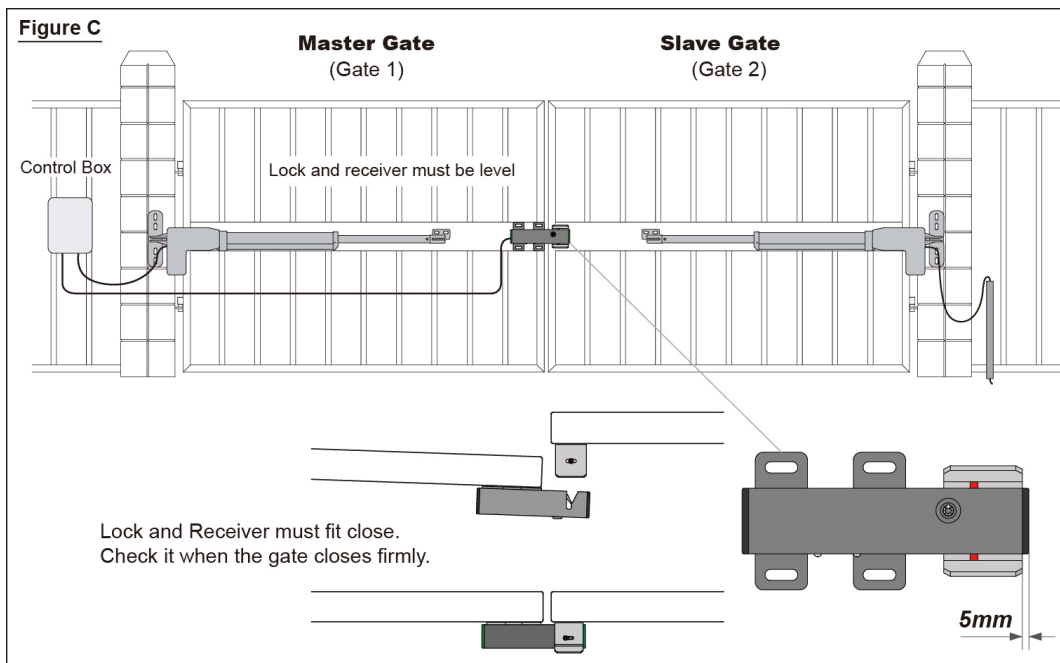
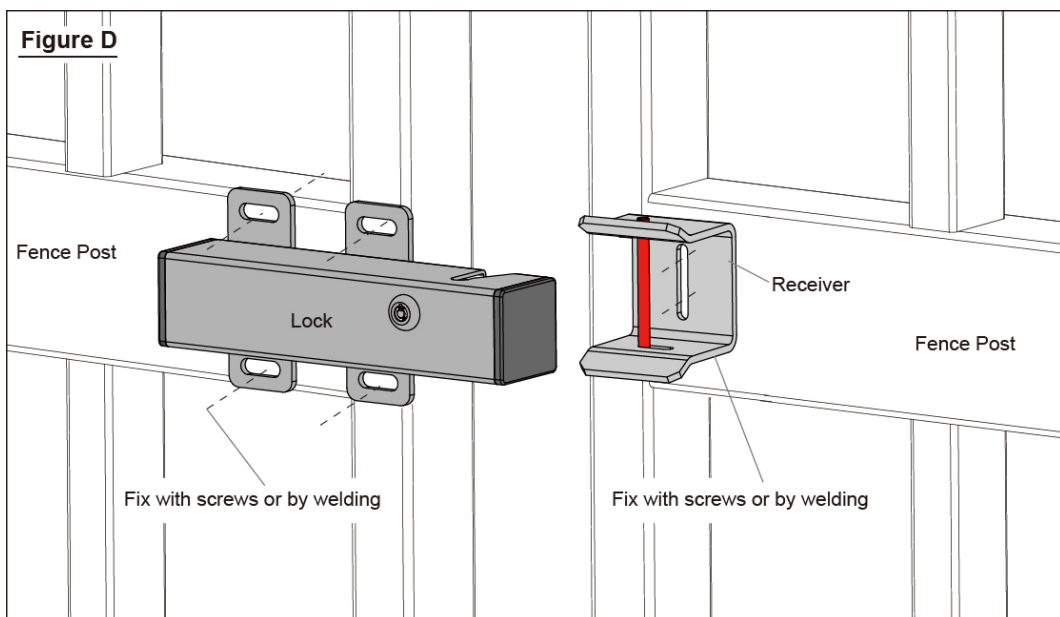


Figure D

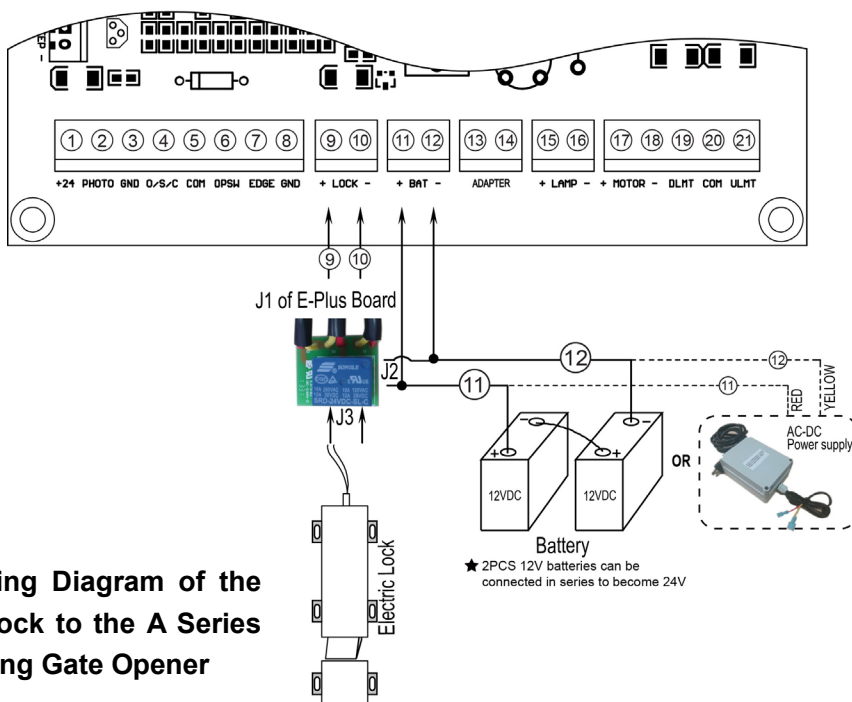
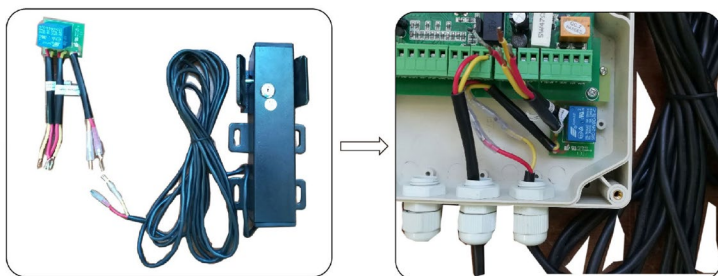


Wire Connection of the Lock

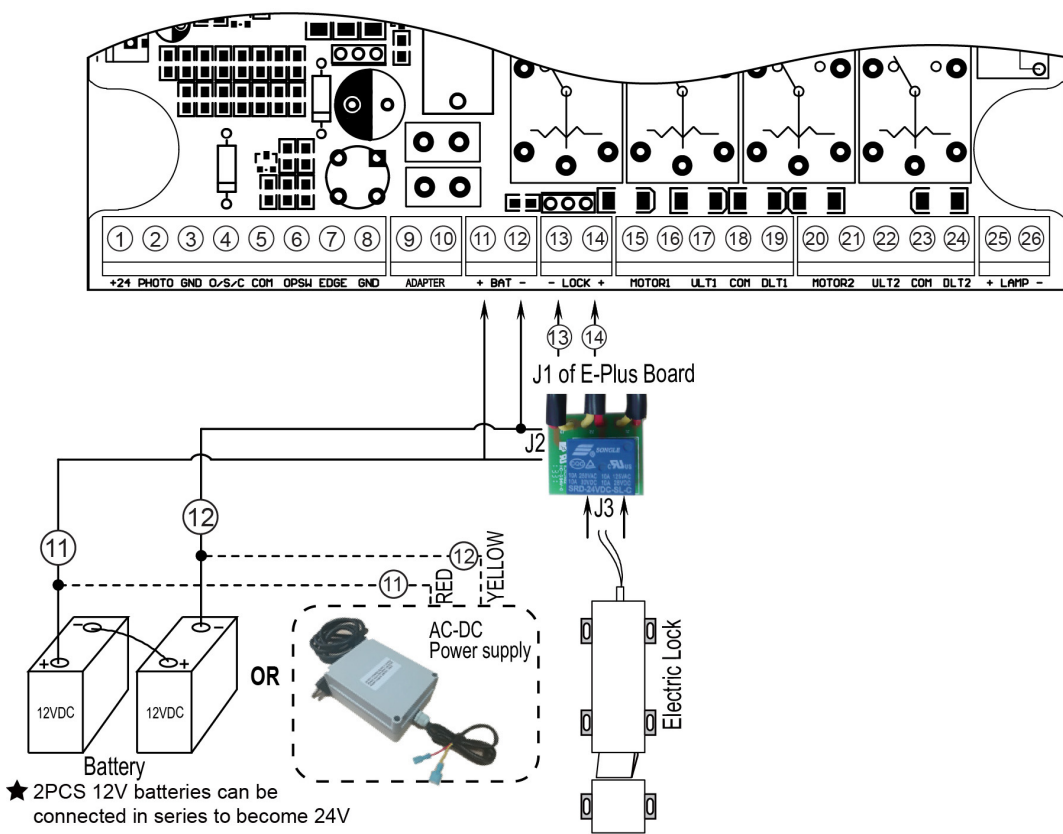
1. Wire Connection for A&AD&PW Series Swing Gate Opener

The E-Plus board must be used with the E-Lock when it's connected to the A&AD&PW swing gate opener. The E-Plus board is in the small box which is included in the package. J3 of the E-Plus board and the electric lock have the wiring connector. You can place the E-Plus board in the control box and then plug the J3 of the E-plus board to the electric lock directly.

The other 2 set wires of the E-Plus board should be connected to the control board as the following wiring diagram or the wiring diagram in the manual of gate opener.



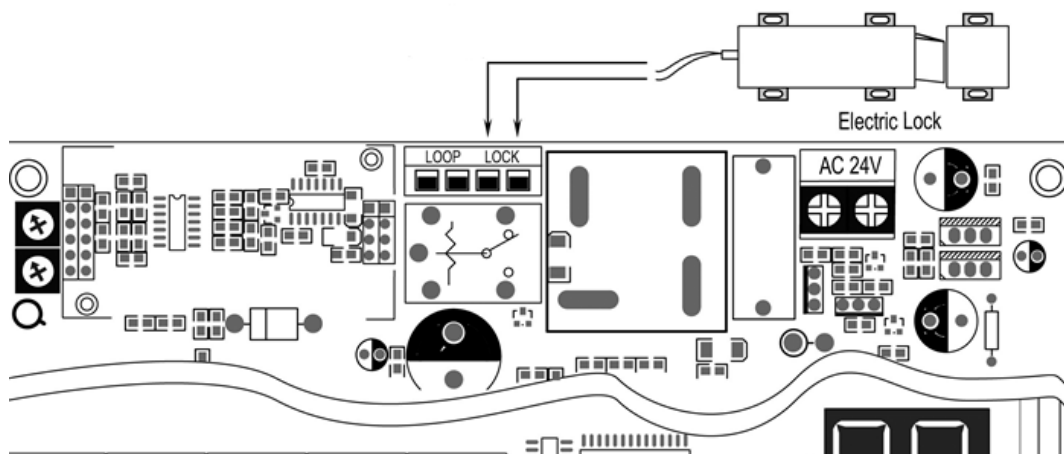
Wiring Diagram of the E-Lock to the A Series Swing Gate Opener



Wiring Diagram of the E-Lock to the AD&PW Series Swing Gate Opener

2. Wire Connection of the Lock for KD 902 & AT1202 Series Swing Gate Opener

The E-Plus board is not needed to use with the two gate openers. The electric lock can be wired to the “**LOCK**” terminal directly, no matter the polarity of the wires.



Wiring Diagram of the E-Lock to the KD902 & AT1202 Swing Gate Opener

NOTE: If the gate opener which you want to use the lock with is not listed in the above diagram, you can find the wiring diagram in the user manual of the gate opener or you can contact us to provide technical support.



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Any question, please do not hesitate to contact us:

E-mail: support@topens.com

***Kindly include your Product Model, Purchasing Date & Site, Order #,
and your contact information. All your concerns will be replied within
24 hours.***

Tel: +86 (571) 8908 0213 (China)

Mon-Fri 9:00AM-5:30PM (UTC +08:00)

