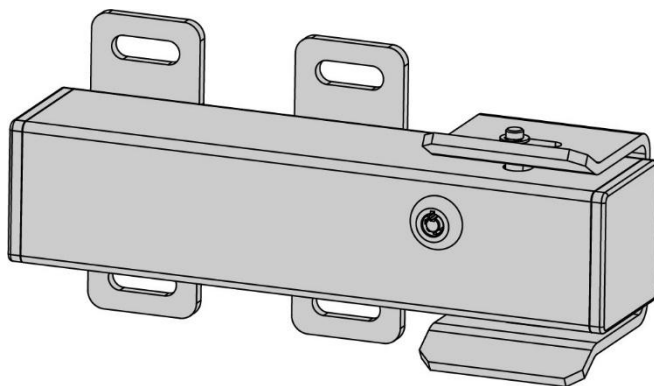




# Electric Lock User's Manual

**Model:**

**ET24**






TOPENS Website

**[www.topens.com](http://www.topens.com)**

### **⚠ Important Note:**

- ✧ **The open & close delay time of the 2 actuators MUST be set to more than 4 seconds, if the electric lock is used with dual swing gate opener which is powered by the UPS01 or DPS180-U AC-DC power supply. Otherwise, the gate opener will 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 1.2 meters (4 feet).**

## **Electric Lock Part List**

 <p>Lock with 5m of power cables</p>	 <p>Lock Receiver</p>
 <p>Lock Keys (for manual release)</p>	

## **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. Due to the various mounting conditions, mounting hardware is not provided. Read this manual carefully to determine the mounting hardware

required for your condition.

4. 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.

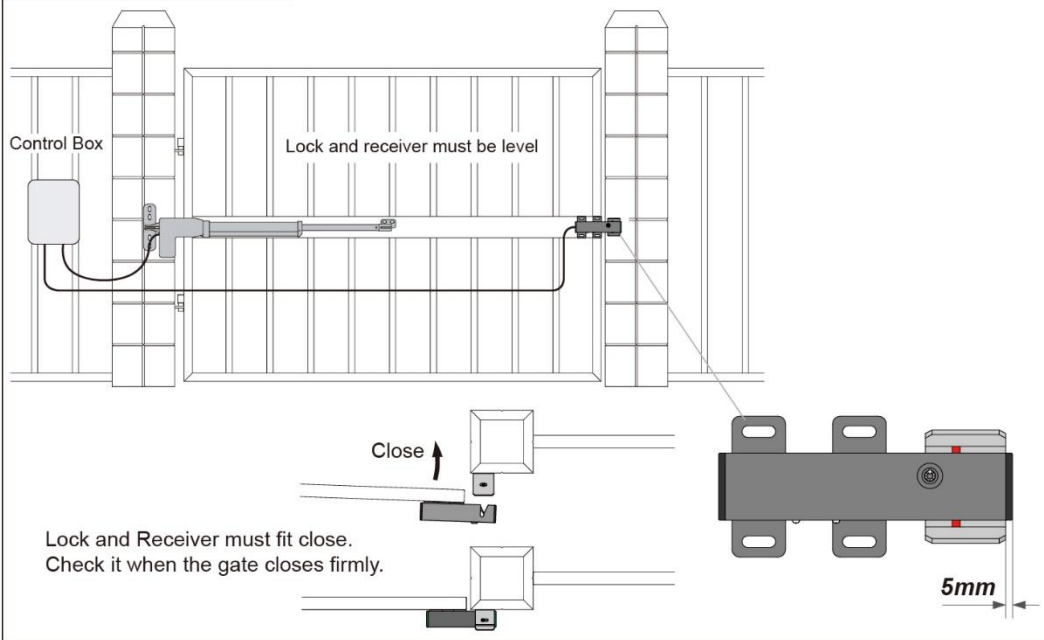
For **Chain Link** gate, you will need U-Bolts, saddles, lock washers and nuts for the lock and receiver.

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

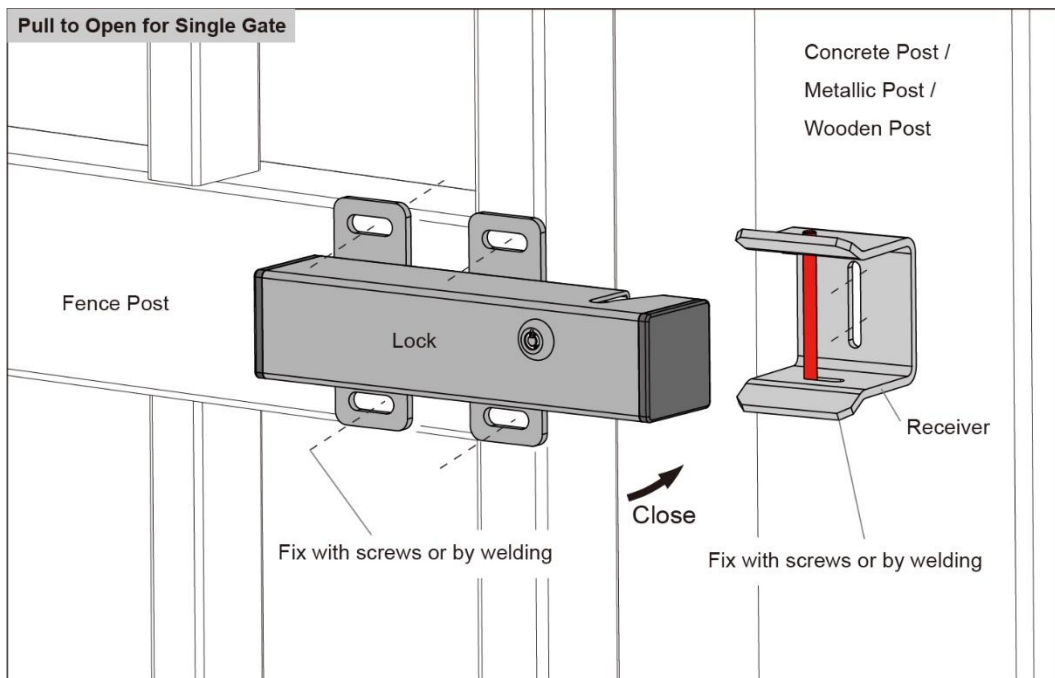
**Step 5:** Connect the lock’s power cables to the control board of TOPENS swing gate opener refers to the ***chapter “Wire Connection of the LOCK”*** .

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

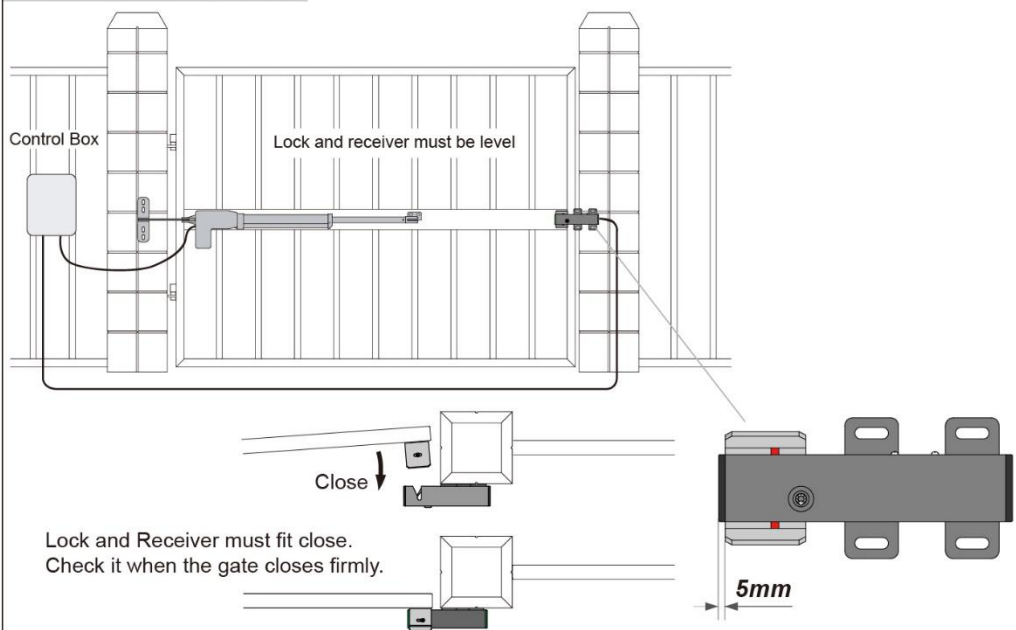
# **Pull to Open for Single Gate**



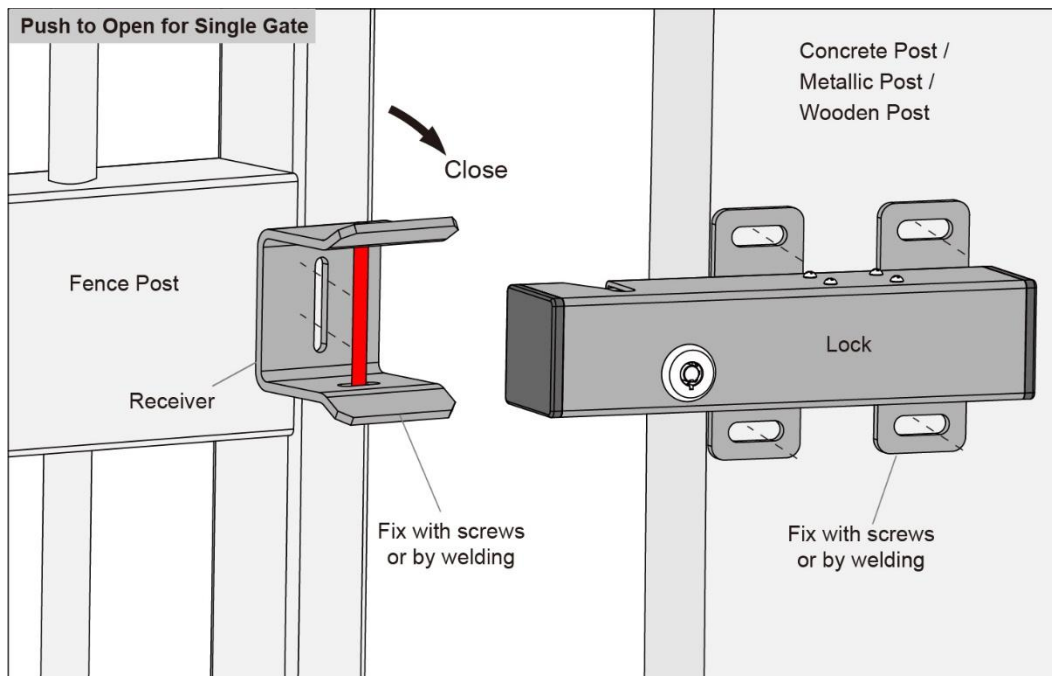
# **Pull to Open for Single Gate**



### Push to Open for Single Gate



### Push to Open for Single Gate



## 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 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).

Pull to Open for Dual Gate

**Master Gate**  
(Gate 1)

**Slave Gate**  
(Gate 2)

Control Box

Lock and receiver must be level

Lock and Receiver must fit close.  
Check it when the gate closes firmly.

Close

5mm

Pull to Open for Dual Gate

Fence Post

Lock

Fix with screws or by welding

Close

Receiver

Fence Post

Fix with screws or by welding

Push to Open for Dual Gate

**Slave Gate**  
(Gate 2)

**Master Gate**  
(Gate 1)

Control Box

Lock and receiver must be level

Lock and Receiver must fit close.  
Check it when the gate closes firmly.

Close

5mm

Push to Open for Dual Gate

Close

Fence Post

Lock

Fix with screws or by welding

Receiver

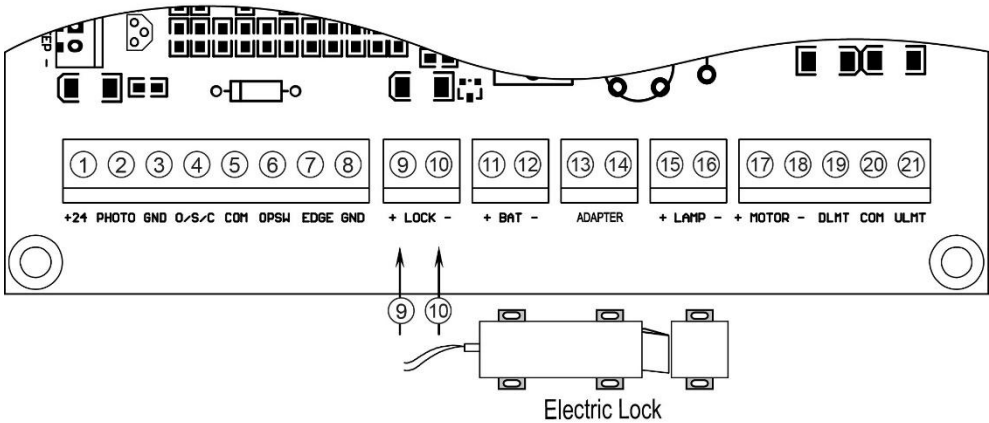
Fence Post

Fix with screws or by welding

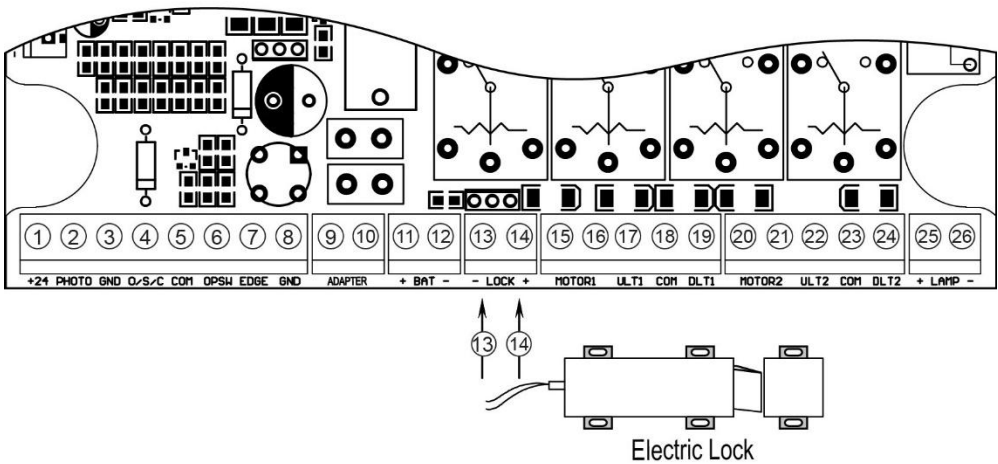


# Wire Connection of the Lock

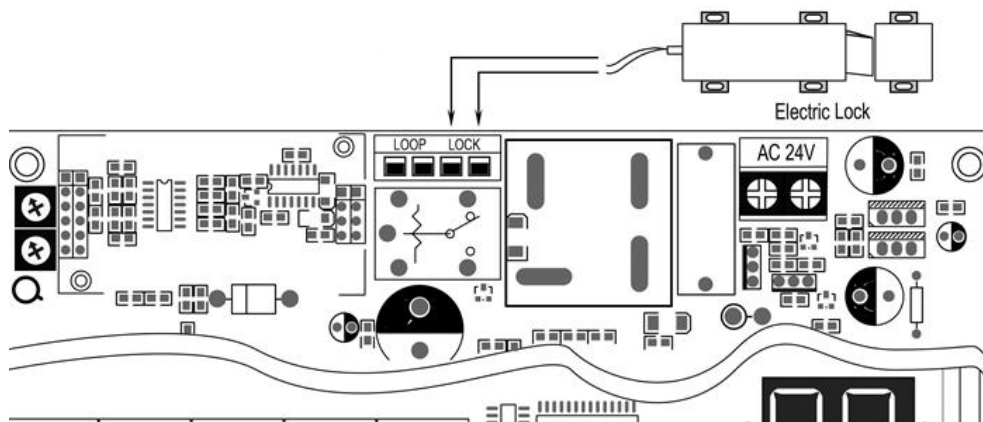
The electric lock can be wired to the “**LOCK**” terminal of the gate opener control board directly, no matter the polarity of the wires.



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



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



**Wiring Diagram of the E-Lock to the KD902, AT1202, MT8012, MT9012  
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 contact us for technical support.



TOPENS Website

**[www.topens.com](http://www.topens.com)**

**Any question, please do not hesitate to contact us:**

**E-mail: [support@topens.com](mailto: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.**

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