

Installation Manual

Initial Setup

Before continuing, configure the essential settings below. These will affect the rest of the installation process. Ensure each step is completed correctly.

1. Gate Type — 1 Leaf or 2 Leaves

1. Press **MODE** to switch to **SETTINGS** mode.
2. Use **UP / DOWN** buttons to select **LEAF**.
3. Use + / - to set:
 - **1 LEAF** → Single leaf gate
 - **2 LEAF** → Dual leaf gate
4. Press **MODE** to switch back to **APP** mode.

Note: Changes take effect only in **APP** mode. You cannot test the gate while in **SETTINGS** mode.

2. Motor Power Configuration

Adjust the power for the gate motors.

If **SLOW DOWN** is enabled, also set **POWER SLOW**.

- Press **MODE** → enter **SETTINGS** mode.
- Use **UP / DOWN** to select **POWER**.
- Use + / - to set desired power %.
- Press **MODE** to return to **APP** mode.

Remotes

Switch to **REMOTE** mode with the **MODE** button.

- Press **PROG** — “**PUSH BUTTON**” appears, then press a remote button to pair.
- Press **DEL** to delete all stored remotes.

Tip: Remote is useful during installation and learning.

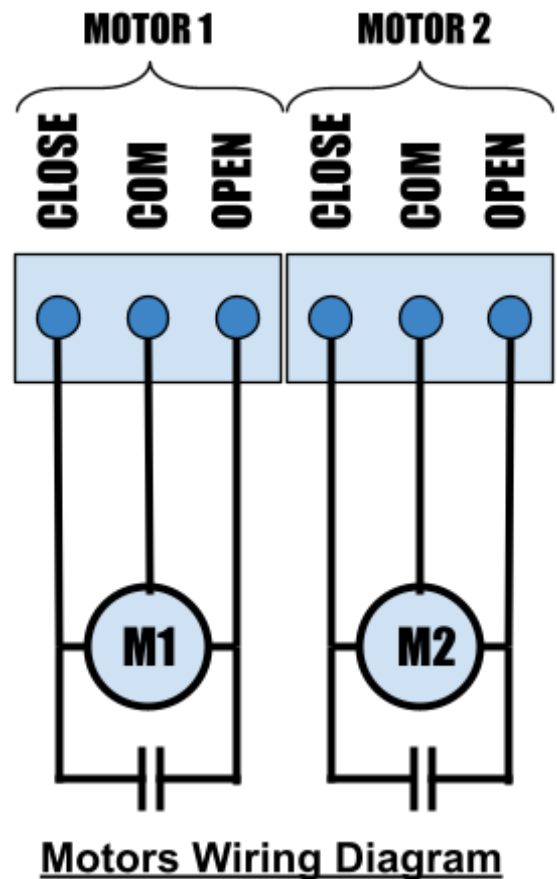
Motors

The controller supports one or two AC induction motors.

Install the motors according to the **Motor Wiring Diagram**.

Test the motors to make sure they move correctly in **OPEN** and **CLOSE** directions (you can see the movement direction on the screen).

Make sure **Motor 1 (Leaf 1)** is connected to the gate that **should open first**, as its movement releases Leaf 2 to move.



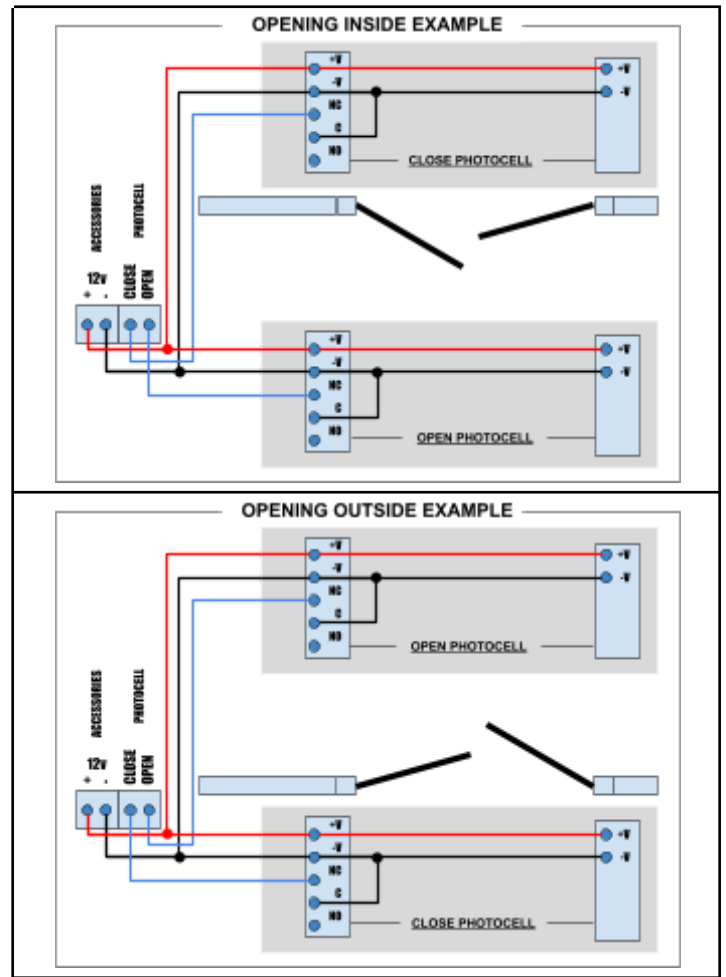
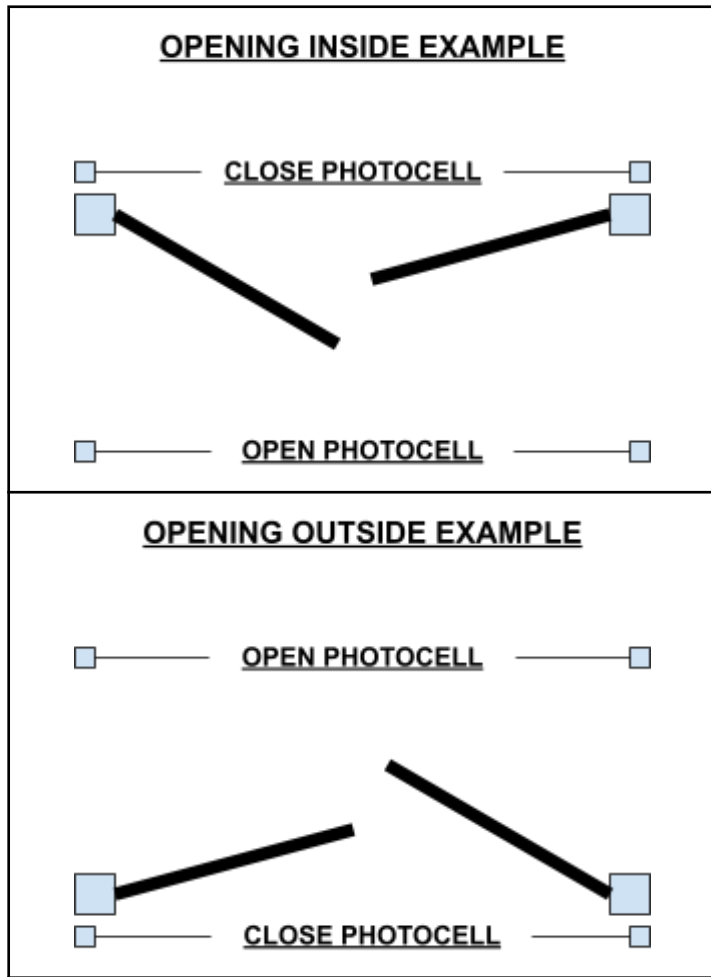
Motors Wiring Diagram

Photocells

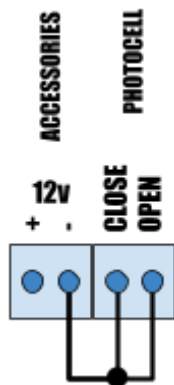
The controller can operate **two photocells**:

OPEN PHOTOCELL placed in the gate opening direction.

CLOSE PHOTOCELL placed in the gate closing direction.



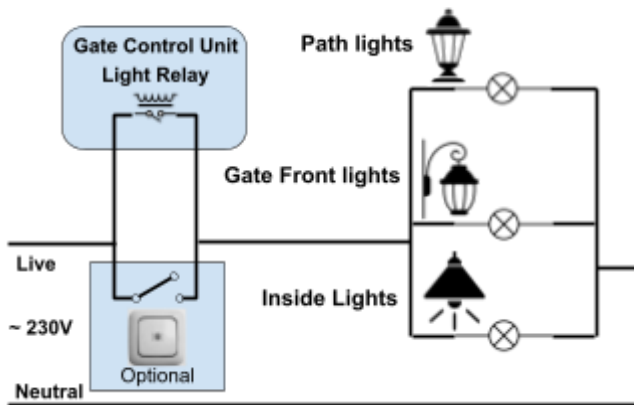
If no photocell is installed, follow the Wiring Diagram below.



Lights

The controller supports light control for illumination and signaling during gate operation. Lights turn on automatically when the gate opens or closes. Connect the lights according to the **Light Installation Diagram**.

Light Installation Diagram



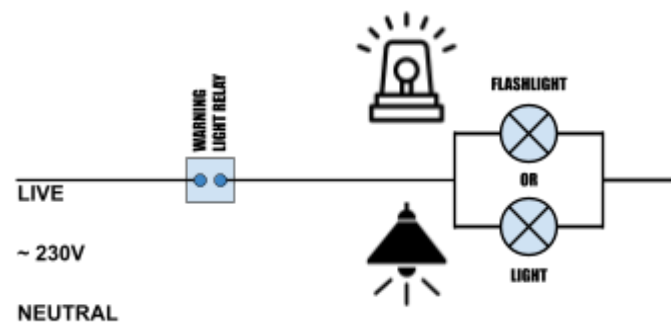
Flashlight / Warning Light

Used for visibility and safety during gate operation.

1. Press **MODE** → enter **SETTINGS** mode.
2. Use **UP / DOWN** to select **WARNING LIGHT**.
3. Use **+ / -** to choose:
 - **BLINKER** — for flashing light
 - **LIGHT** — for regular light
4. Press **MODE** → switch back to **APP** mode.

Follow **Flashlight Installation Diagram** for wiring. When connected to a regular light (LIGHT), the system creates a flashing effect by turning it on and off intermittently.

Flashlight Installation Diagram



Electric Lock

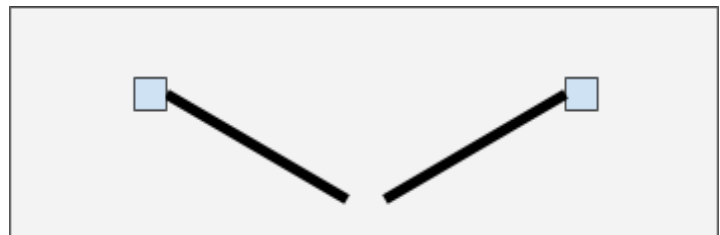
To enable or disable the electric lock function:

1. Press **MODE** → enter **SETTINGS** mode.
2. Use **UP / DOWN** to select **LOCK**.
3. Use **+ / -** to switch **ON or OFF**.
4. (Optional) Enable **HAMMER MODE** if needed — the gate will slightly reverse before opening to ease unlocking.
5. Press **MODE** to return to **APP** mode.

When enabled, the **lock relay** triggers before gate opening.

Auto Learning Process

This process teaches the controller the correct travel limits and operating parameters.



1. In **APP mode**, use the **remote control, PCB buttons**, or **external buttons** to move the gate leaves to the **half-open position**.
2. Press **MODE** → switch to **LEARN** mode.
3. Press **START** to start the learning process.
4. Wait while the system:
 - **Closes** the leaves
 - **Opens** them to full limit (you can use remote or PCB button to set open position)
 - Then **closes** completely (in this steps it will learn **main current, slow current**, and the **open time** for each leaf)
5. When finished, press **MODE** → switch to **APP mode** and test operation.