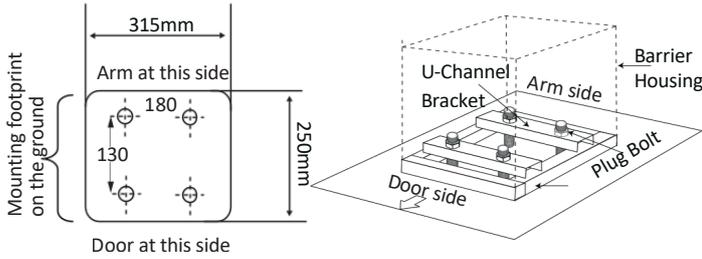
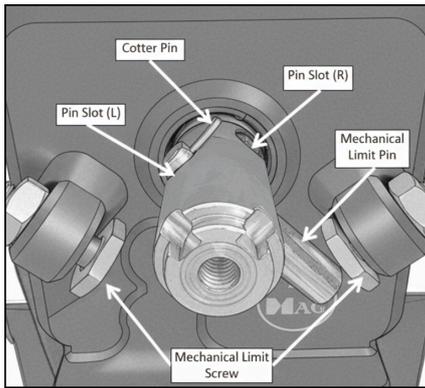


A. Base Installation



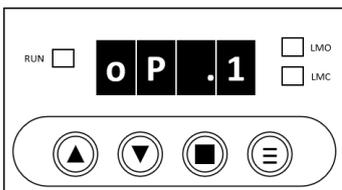
1. Mark and install the plug bolt on a secured base.
2. Secure the barrier base with U-channel bracket and plug bolt nut.

B. Orientation (Left / Right) Settings

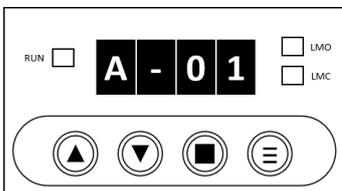


To Change BG856 Arm Orientation (if required)

1. Remove the cotter pin.
2. Take out the Mechanical Limit Pin from the bottom slot.
3. Move the Mechanical Limit Pin to the other side (left or right slot).
4. Put the Cotter Pin back to secure it.
5. On the Main Controller Board:



6. Press and hold STOP (■) and MENU (≡) button simultaneously.



7. Press MENU (≡) button to enter A-01 menu, then choose the correct value:
Left: A-01 = 3
Right: A-01 = 2

8. Press MENU (≡) to save, then press STOP (■) to exit.

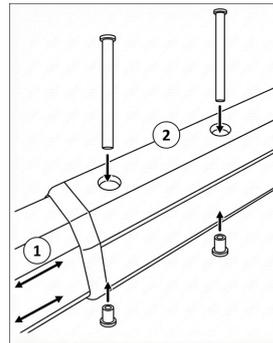
C. Speed Selection

Select the suitable speed settings according to the arm length.

1. Press and hold STOP (■) and MENU (≡) button simultaneously to enter Advanced Menu (A-).
2. Use the Up button to go to A-02, then press MENU (≡).
3. Choose the preset that matches your arm length type, as shown in the following table.
Example: 3.8m telescopic arm, left orientation,
set A-01 = 3, A-02 = 7
4. Press MENU (≡) to save, then press STOP (■) to exit.

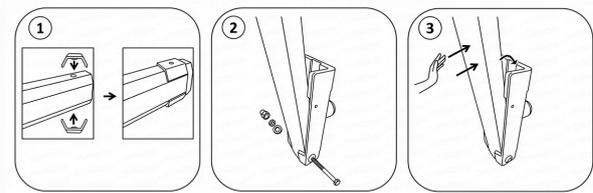
Arm Type	Arm Length	Orientation	Preset		Pass Through Time (s)
			A-01	A-02	
Telescopic	2.5m and below	L	3	1	1.7
		R	2	2	
Telescopic	2.6m to 3m	L	3	3	1.8
		R	2	4	
Telescopic	3.1m to 3.5m	L	3	5	2.0
		R	2	6	
Telescopic	3.6m to 4m	L	3	7	2.2
		R	2	8	
Telescopic	4.1m to 4.5m	L	3	9	2.5
		R	2	10	
Telescopic	4.6m to 5m	L	3	11	3.0
		R	2	12	
Telescopic	5.1m to 6m	L	3	13	3.5
		R	2	14	
Folding	4m and below	L	3	15	1.8
		R	2	16	

D. Telescopic Arm Length Adjustment



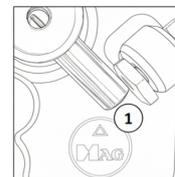
1. Retract or extend the extension arm according to requirement.
2. Using the existing hole as a guide, drill a through hole. Then secure the arm with 2 sleeve screws.

E. Telescopic Arm Installation



1. Insert the two plastic bracket into the hole on both sides of the arm.
2. Slide the arm into the arm bracket. Align and insert the long screw to secure the arm in the bracket.
3. Push the arm and ensure it fits into the bracket tightly.

F. Open & Close Limit Settings

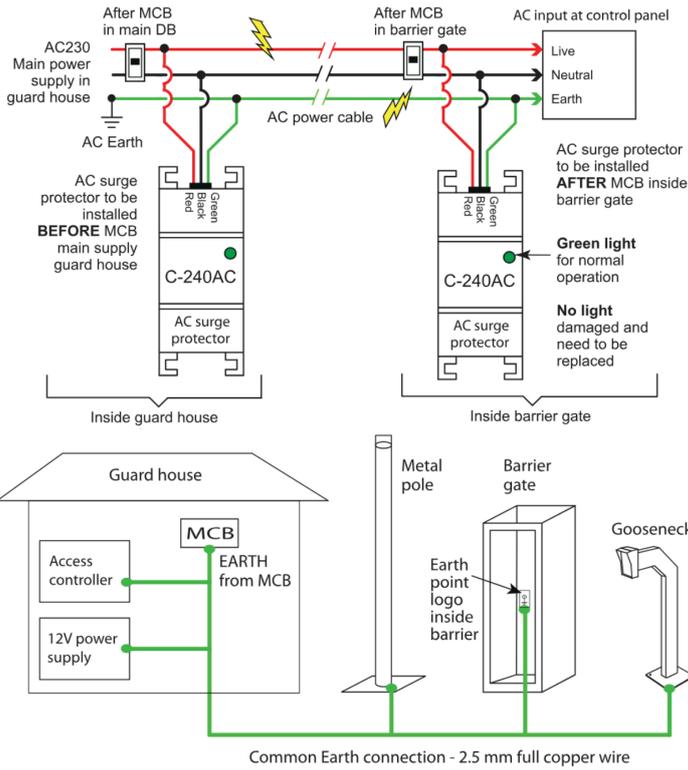


1. Adjust the Mechanical Limit Screw and Nut to ensure the Mechanical Limit Pin is resting on the screw when arm is in Closed / Down Position.

N-Menu	Function
N-01	Set open limit position. Decrease value for site with awning.
N-07	Set close limit position. Increase value to let arm stops lower.

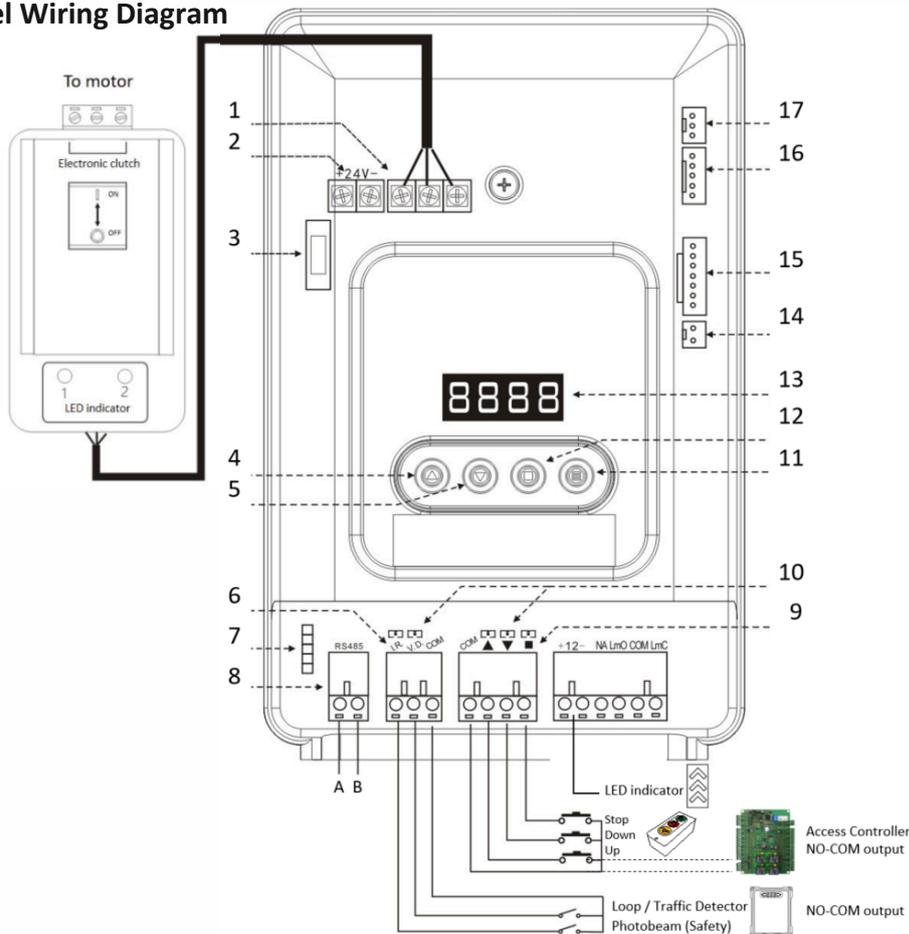
2. Press MENU (≡) button, and navigate to N-01 or N-07 to fine tune the opening and closing limit.
Increase: limit position shift upwards.
Decrease: limit position shift downwards.
3. Press MENU (≡) to save, then press STOP (■) to exit.

G. Surge Protection



1. It is **COMPULSORY** to install surge protector when installing barrier gate outdoor.
2. All installed surge protector must be connected to earth.
3. Metal housing of all equipment must be connected together to a Common Earth.
4. Earth connection wiring must be at least 2.5mm.
5. Warranty does not cover damage due to lightning surge.

Control Panel Wiring Diagram



No	Component
1	Electronic Clutch
2	Power Supply (DC 24V)
3	Fuse
4	UP Test Button
5	DOWN Test Button
6	Vehicle Sensor Interface
7	(not in use)
8	(not in use)
9	Push Button or Access Control
10	LED Signal Status Indicator
11	MENU Button
12	STOP Test Button
13	7-segment Display
14	Fan Connector
15	Motor Sensor
16	Remote Control
17	

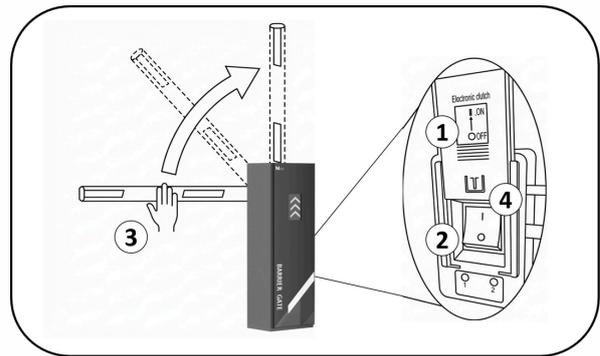


H. Pair New Remote Controller

1. Press MENU (≡).
2. Use Up/Down to find N-16, then press MENU (≡).
3. Press and hold any button on the remote control you want to pair.
4. Check the display — the number should increase by 1 if pairing is successful, along with 3 beep sound.
5. Press STOP (■) twice to exit.

I. Manual Release with Electronic Clutch During Power Failure

IMPORTANT: Ensure the barrier arm is **HORIZONTAL / VERTICAL** and **STATIONARY** before unlocking.



1. Slide open the cover.
2. Switch to OFF (0) to unlock the arm.
3. Manually move the arm to the position required.
4. Switch the clutch to ON (I) to lock the arm.