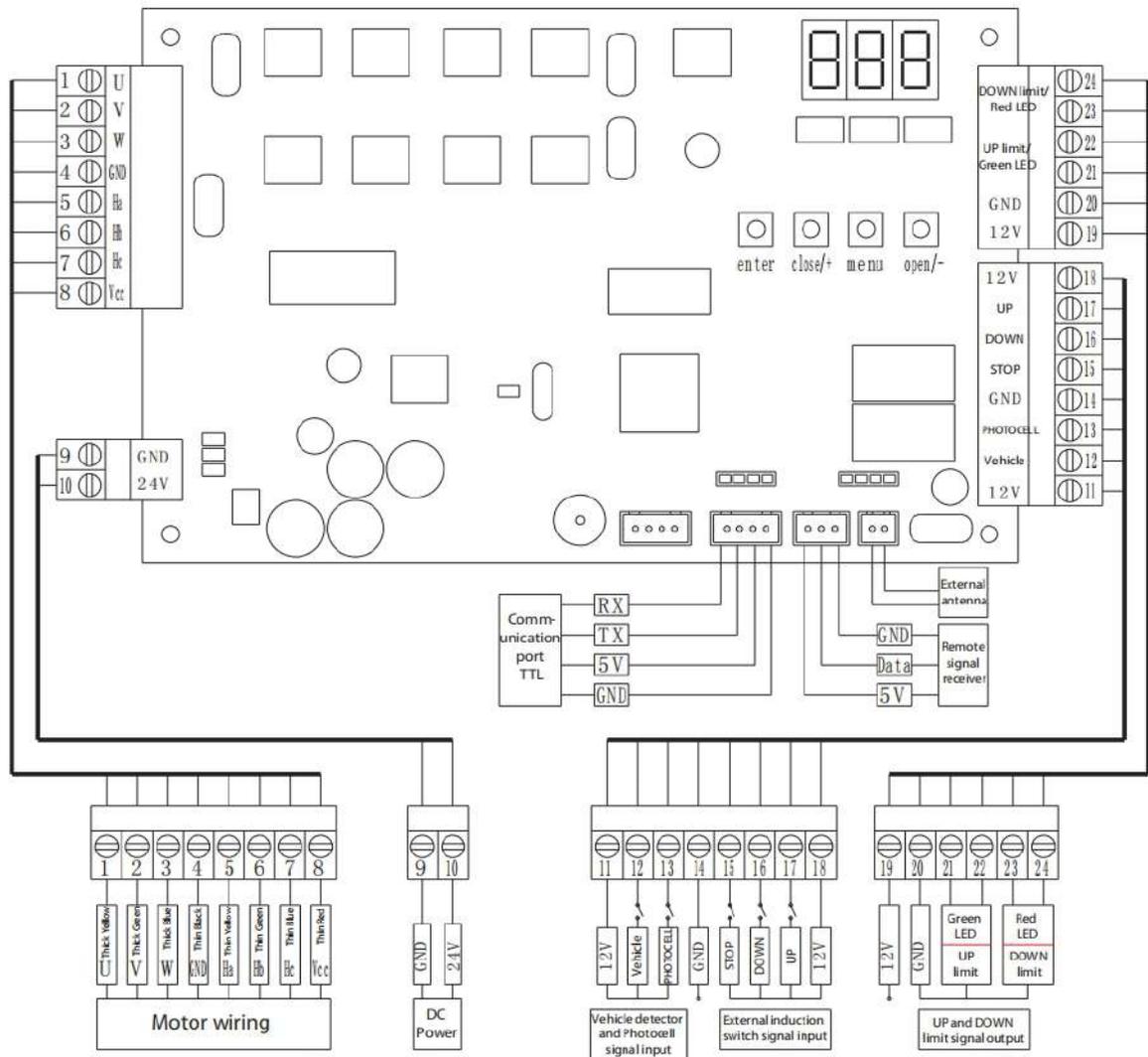
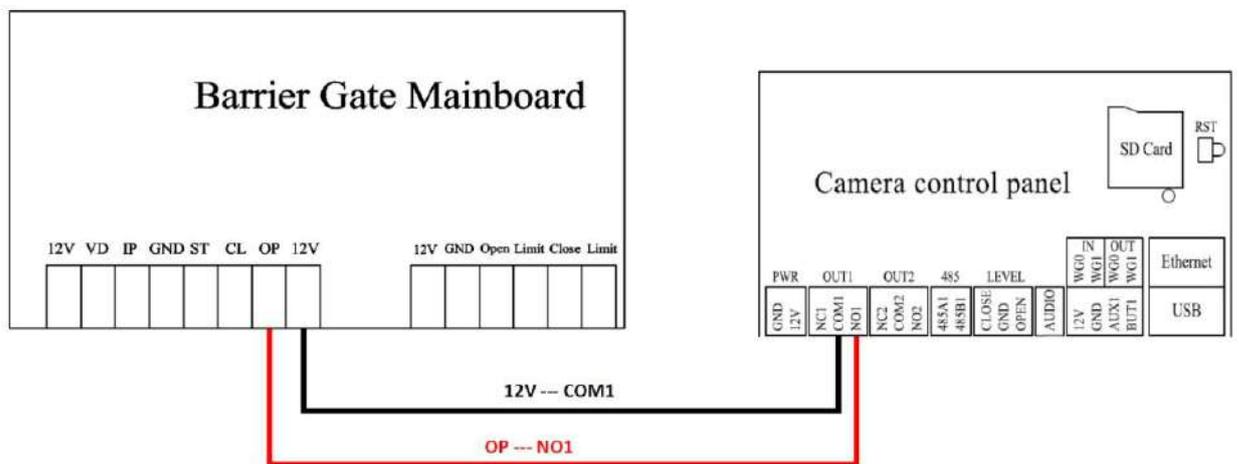


Wiring Diagram of Mainboard

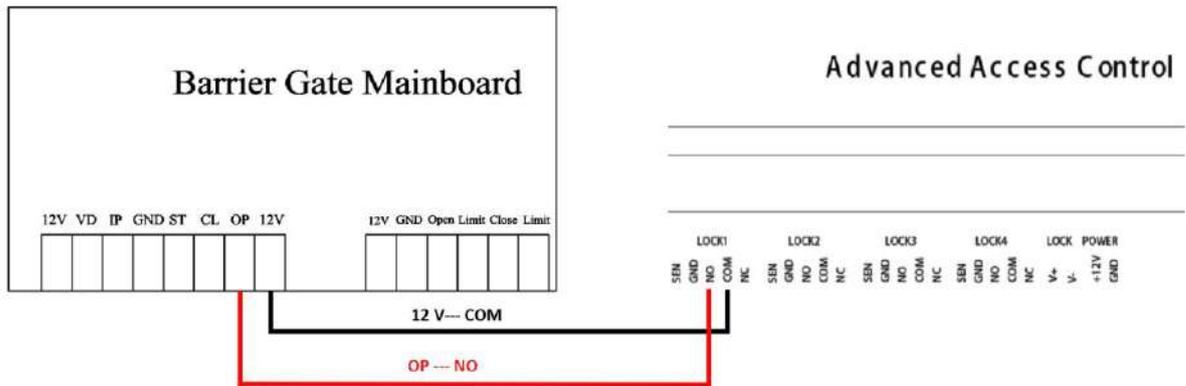


7.1 Connection with LPR Camera



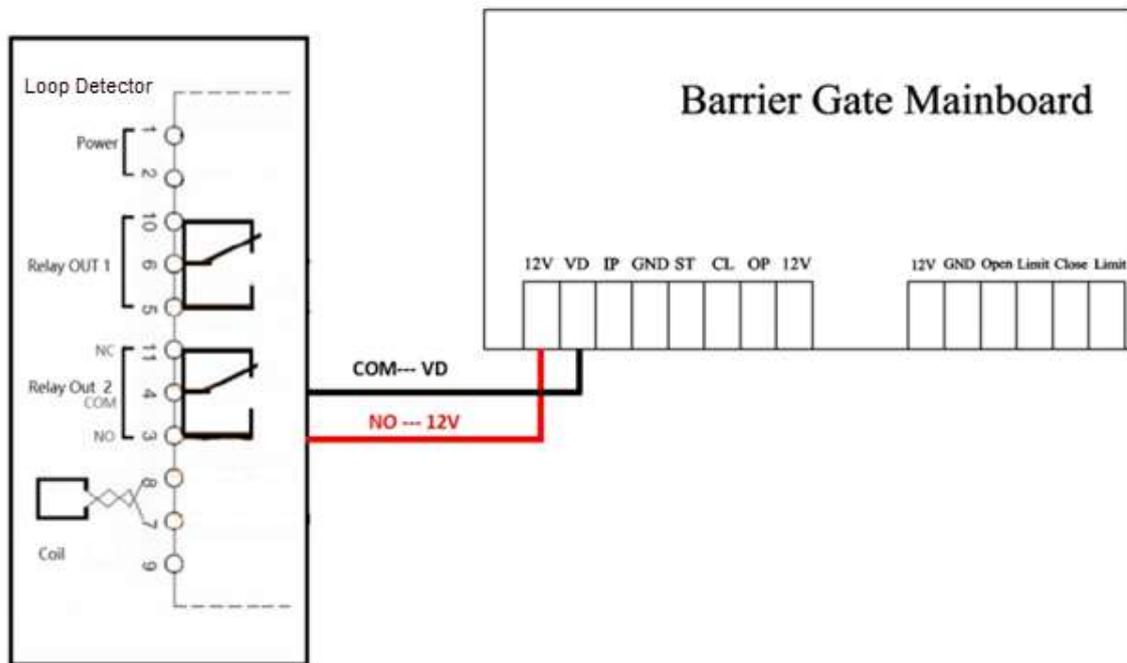
7.2 Connection with UHF Controller

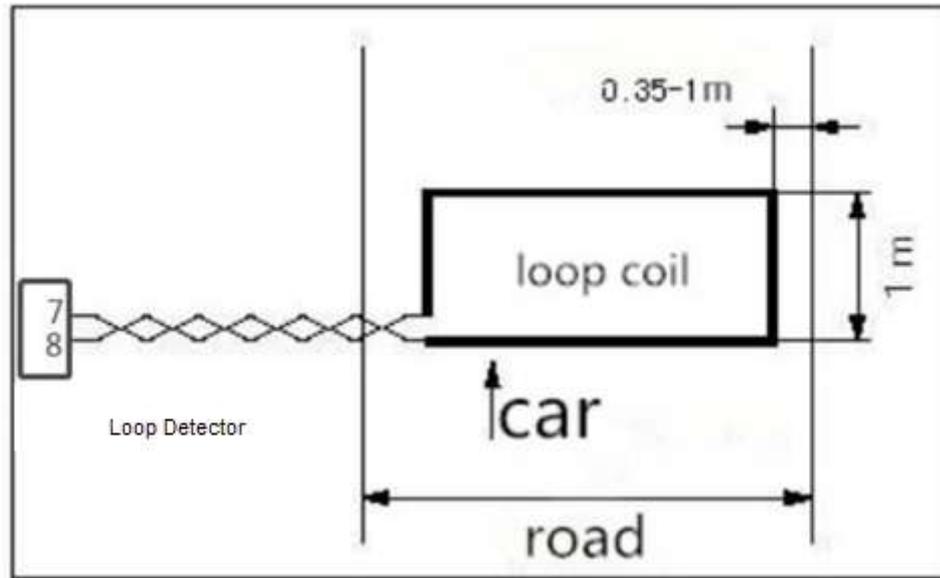
(**Note:** The Reader1 and 2 of Inbio260 Controller corresponds to LOCK1, Reader3 and 4 corresponds to LOCK2)



7.3 Connection with Loop Detector

Anti-smash and Auto-close function

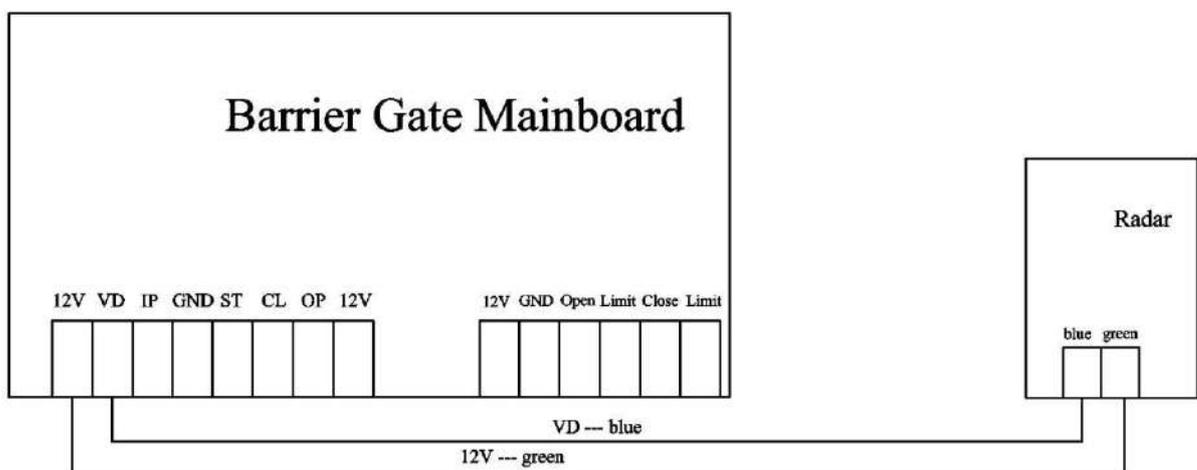


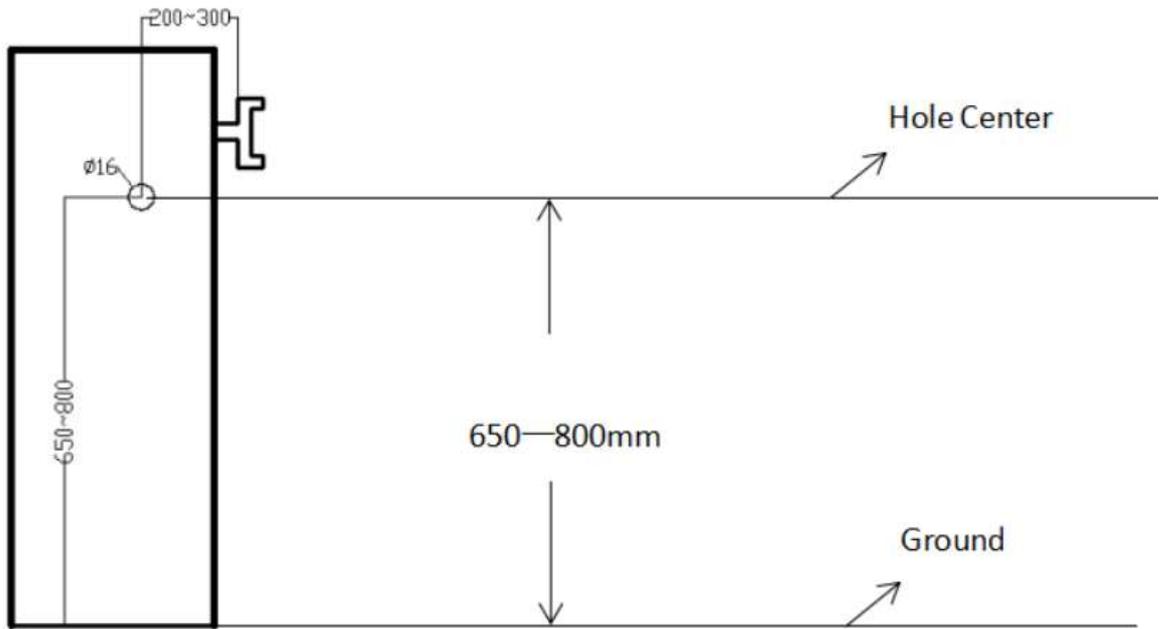


Coil Circumference	Coil Number
3m	Based on requirements, ensure that the inductance is between 100µH and 200µH
3m to 6m	5 to 6 turns
6m to 10m	4 to 5 turns
10m to 25m	3 turns
25m	2 turns

7.4 Connection with Radar Sensor

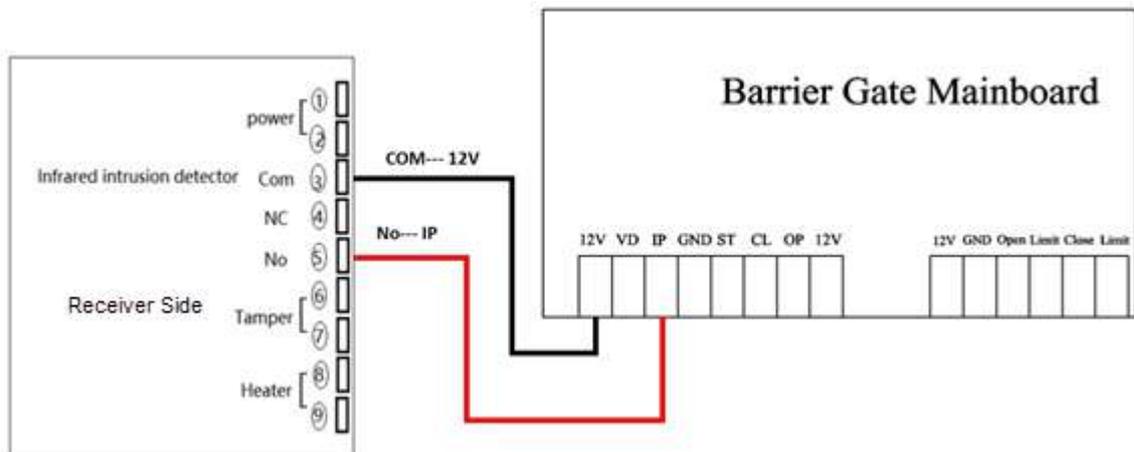
Anti-smash and Auto-close function



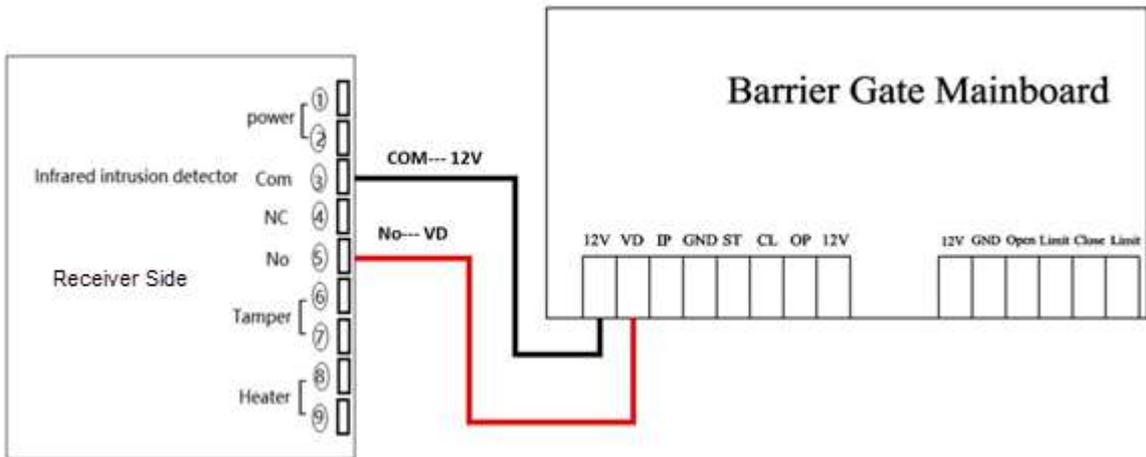


7.5 Connection with Infrared/Photocell Detector

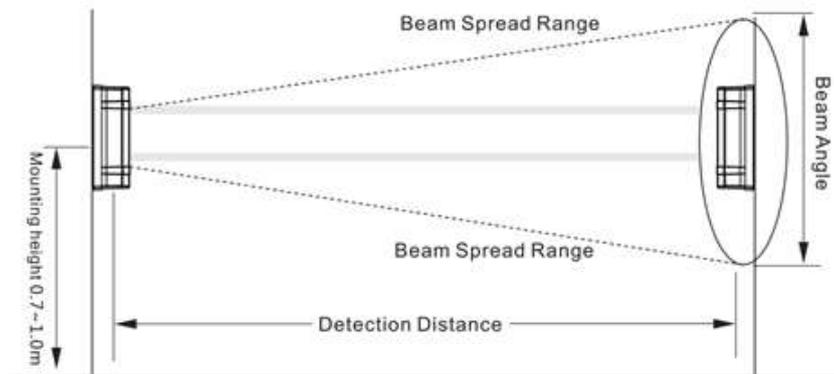
Anti-smash function



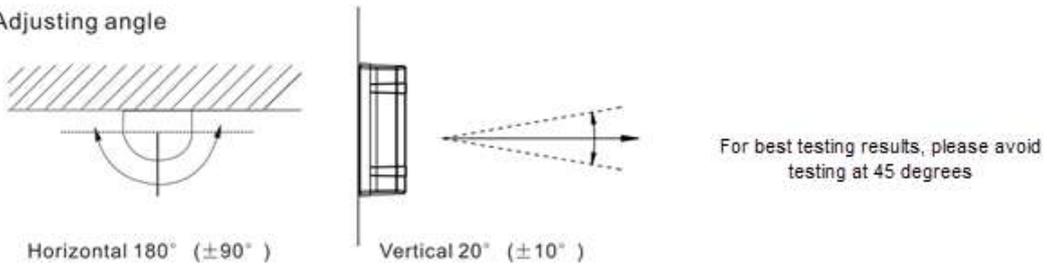
Anti-smash and Auto-close function



◆ Mounting height



◆ Adjusting angle

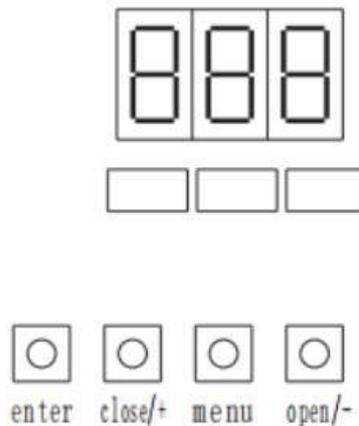


8 Functional Parameter Settings

After the initial installation, and first power-on, you must use the "on" and "off" buttons on the mainboard to complete the self-check process and learn the opening and closing strokes.

8.1 Mainboard Parameter Settings

Key Description



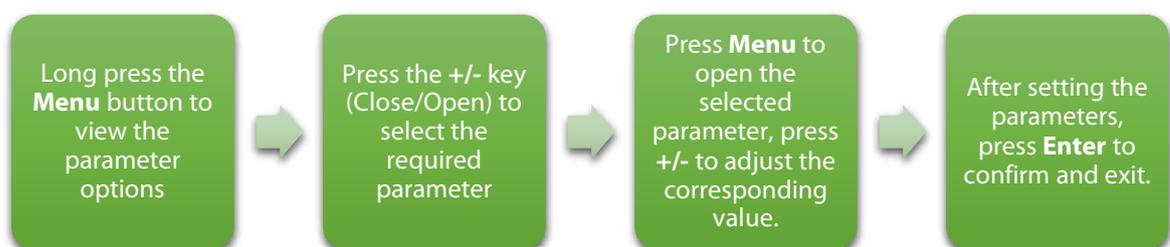
Menu: Menu options / Confirm and Enter

Enter: Confirm and Exit

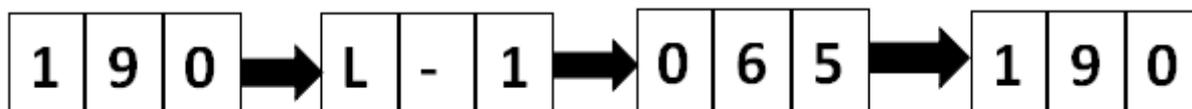
Open/-: Decrease parameter/value

Close/+: Increase parameter/value

8.1.1 Operating Procedure



The display status is given below:



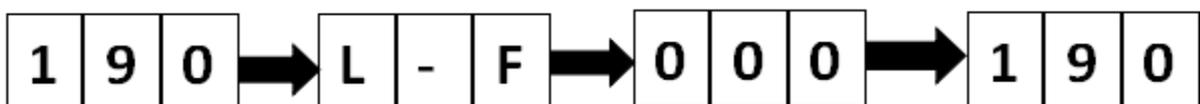
8.2 Parameter Settings Description

Parameter	Description	Menu List	3m Boom	4.5m Boom	6m Boom
Gate Opening Speed Adjustment	The larger the value, the faster the opening speed	L-1	90	70	60
Gate Closing Speed Adjustment	The larger the value, the faster the gate closing speed	L-2	85	65	55
Barrier Boom balance Adjustment	Default	L-3	12	12	12
Anti-smashing Car Response Time Sensitivity Adjustment	The shorter the reaction time, the higher the sensitivity.	L-4	30	30	30
Motor Strength Adjustment	Default	L-5	70	70	70
Horizontal Boom Barrier Adjustment	-	L-6	5	5	8
Test Mode Selection	0 – Manual 1 - Automatic (default)	L-7	0	0	0
Turn on Memory function	0 – No Memory 1 - Memory 4 - Peak mode(default)	L-8	0	0	0
Vertical Boom Barrier Adjustment	-	L-9	5	5	8
Deceleration stroke adjustment of the first stage of opening brake	-	L-L	45	65	40
Deceleration stroke adjustment of the second stage of closing brake	-	L-B	55	55	40
Anti-Smashing Vehicle Strength Adjustment	The larger the value, the more severe the damage to the object.	L-C	50	50	50
Forward and Reverse operation setting of the barrier	Type 1 - L Type 2 – R (Factory setting)	L-D	1 or 2	1 or 2	1 or 2
Motor force when the barrier is activated	Torque output by the motor when the	L-E	30	30	30

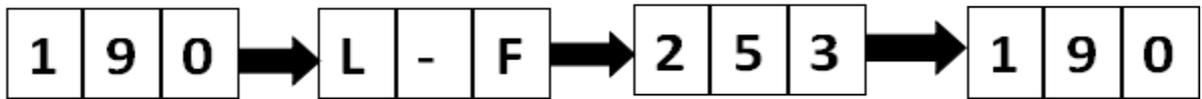
	barrier is activated.				
Remote learning function	000 - Learning State 253 - Automatic deletion of the remote control	L-F	0	0	0
Deceleration stroke adjustment for the first section of the opening gate	Default	L-H	0	0	0
Deceleration stroke adjustment of the second section of the closing gate	Default	L-P	21	21	21
Traffic Light Mode Adjustment	Default	L18	0	0	0
Ground Sensing Delay to drop the boom	0 - Disabled 1 - 255 is the time corresponding to the delay (need to synchronize with the ground sensing system)	L19	0	0	0
Automatic boom-dropping delay after starting	0 - Disabled 1 - 255 is the time corresponding to the delay in automatic boom-dropping	L20	0	0	0

8.3 Remote Control Pairing and Unpairing

1. **Remote Control Pairing:** Long press **Menu**, then press +/- to select L-F [L15]. Press **Menu** again to set the parameter value. At this time, the LED display value is "000", and then press any button on the remote control until you hear a beep sound from the Mainboard. If it automatically returns to the menu option, it means the pairing is successful, and then press **Enter** to exit the menu.



2. **Delete Remote Control Pairing:** Long press **Menu**, then press +/- to select L-F [L15]. Press **Menu** again to set the parameter value, and then set the parameter value to "253". At this time, it will automatically return to the menu, indicating that all the remote controls have been deleted.



8.4 Set Delay for Automatic Closing after Opening

the Boom

Long press the **Menu** button, then press +/- to select the L20 parameter, and then press the **Menu** to set the parameter value after selection. At this time, the display will be 000 i.e., in the disabled state. Set the delay value as per the requirements. Finally, press **Enter** to exit the menu. For example, if it is set to "005", the machine will automatically close after 5 seconds after opening the barrier.

