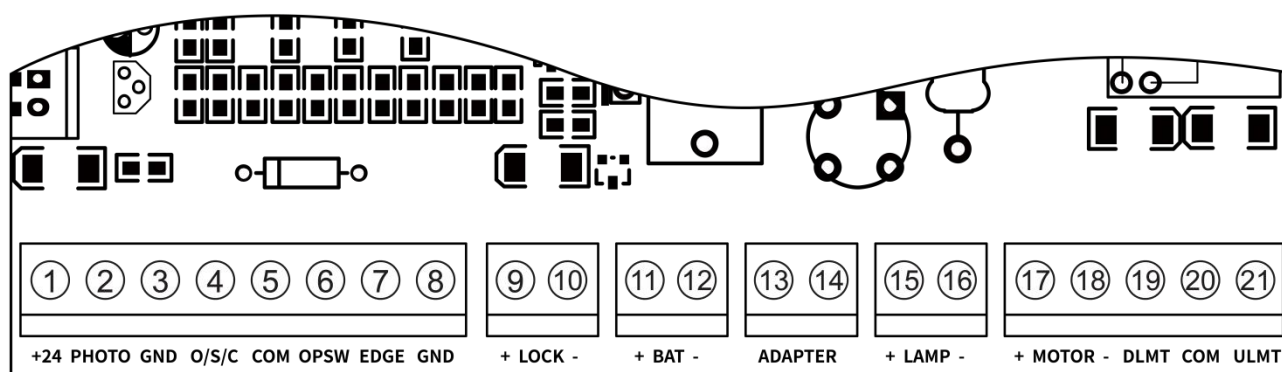


Terminal Function of the Control Board



Terminal	Function
① “+24” ③ “GND”	Provide 24VDC voltage output to power photocell sensors
② “PHOTO” ③ “GND”	Receive signal input from a photocell sensor, operating on a normally closed (NC) input basis
④ “O/S/C” ⑤ “COM”	Control gate operation through a normally open dry contact signal input, commonly connected to push button, wired keypad, and external receiver for cyclic gate operation (open/stop/close/stop)
⑥ “OPSW” ⑤ “COM”	Accept the signal input of the gate opening, usually connected to the normally open output of a vehicle sensor
⑦ “EDGE” ⑧ “GND”	Receive signal input from an edge sensor, operating on a normally open input basis
⑨⑩ “+LOCK-”	Output terminals for swing gate electric lock, directly connected to the positive and negative wires of the lock. Ensure the lock is a fail secure type with a rated voltage of 24VDC and a rated current of less than 3A
⑪⑫ “+BAT-”	Input terminals for 24VDC power, typically connected to the positive and negative terminals of a 24VDC battery or 24VDC power supply, providing power to the entire system or other 24VDC accessories
⑬⑭ “ADAPTER”	Input terminals for a power adapter to charge the battery, can also be connected to a 36VDC or 24VAC power supply for battery charging
⑮⑯ “+LAMP-”	Output terminals for a warning light, connected to the positive and negative wires of the warning light. Ensure that the warning light has a rated voltage of 24VDC and a rated current of less than 1A
⑰⑱ “+MOTOR-”	Connect to the red and black wires of the gate opener arm
⑲ “DLMT” ⑳ “COM” ㉑ “ULMT”	Input terminals for limit switches, the near end limit switch connected to “DLMT” and “COM”, the far end limit switch connected to “ULMT” and “COM”

NOTE: For terminal wiring, remove the terminal from the control board and unscrew the terminal screws using a screwdriver. Insert the wire into the terminal, tighten the screws to secure the wire, and then reattach the terminal to the control board.