



Scan for additional information

GTR182 Infrared Photocell



Compatible with the following Richmond motors.		
Sliding / Cantilever Motors		
GTR156 & GTR212 ✓	GTR061 & GTR207 ✓	GTR510 ✓
Swing Motors		
GTR099 ✓	GTR058 ✓	GTR062 & GTR078 ✓
GTR500 & GTR501 ✓	GTR502 & GTR503 ✓	
! Compatible with a large range of other manufacturers gate/garage openers.		

Technical Specs:

- **Range: 10 metres**
- **Power Supply:**
 - Sender unit: 2 x AA battery OR 12-24volt AC/DC
 - Receiver unit: 12-24volt AC/DC
- **IP54 rating. Suitable for outdoor use.**
- **Current draw: 10mA (standby) 20mA (active)**
- **Light Source: Infrared LED**
- **Operating temperature: -5°C to 60°C**
- **Material: ABS**

Installing your infrared photocell:

Attach the Infrared sender and reflector on a fixed structure with minimal movement.

- Any vibration/movement may lead to a break in the Infrared beam and incorrect operation of the gate.

Ensure both units are installed at a height that will correctly detect any vehicles and pedestrians.

- eg: If mounted too low, the Infrared beam will operate underneath a vehicle.

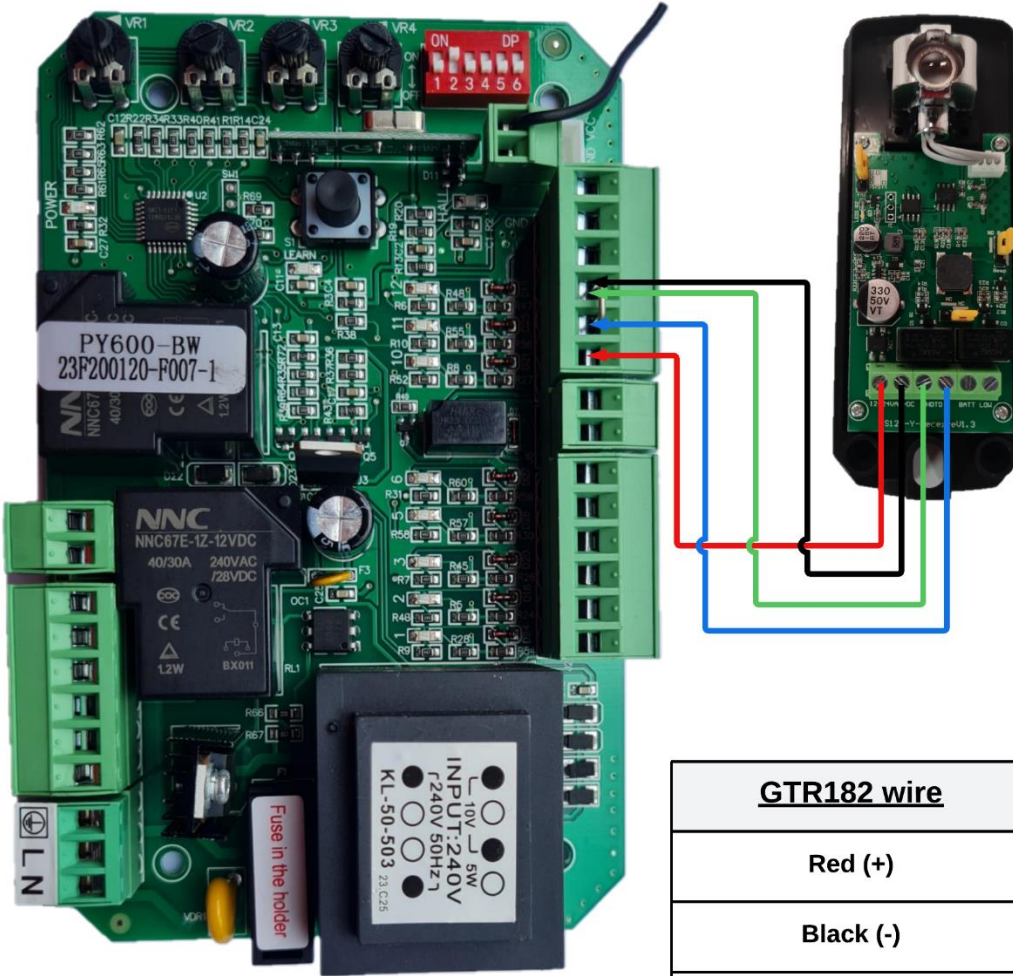
- If necessary, fit multiple sensors as shown on the last page of this manual.

Install the receiver at the side closest to the control box or gate motor.

The sender is installed on the opposite side of the driveway and can be powered by 2 x AA batteries.

Alternatively, the sender can be hard-wired with direct power so that no batteries are required.

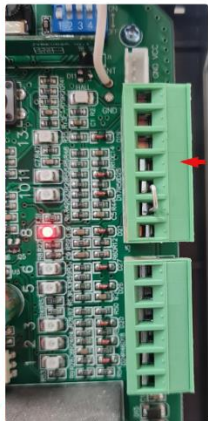
GTR156 or GTR212 slide motor connection



<u>GTR182 wire</u>	<u>GTR156/212 terminal</u>
Red (+)	Terminal 9 (+15v)
Black (-)	Terminal 11 (GND)
Green (PHOTO-1)	Terminal 11 (COM)
Blue (PHOTO-2)	Terminal 10 (O/S/C)
** Remove jumper wire between terminals 10 & 11 **	

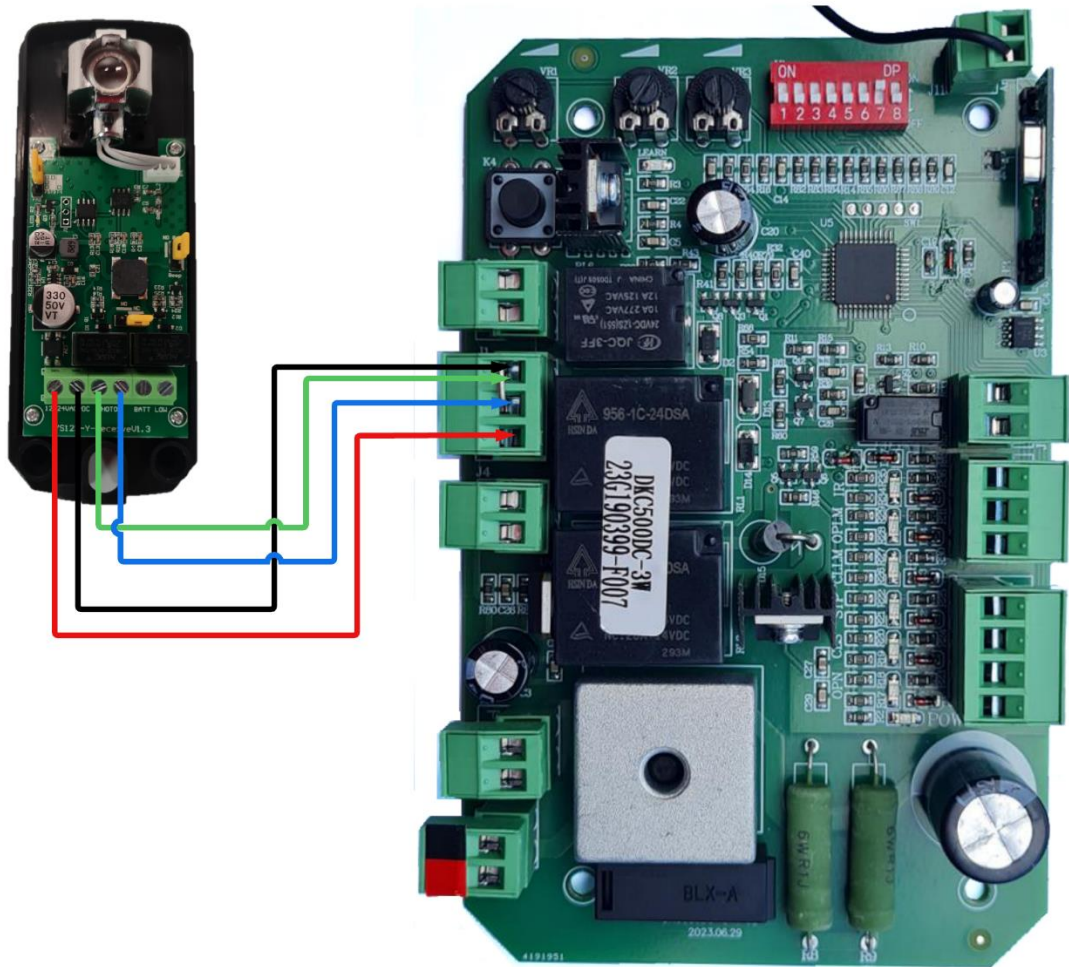
Previous PC Board Version

13 Terminal on Right-Hand Side



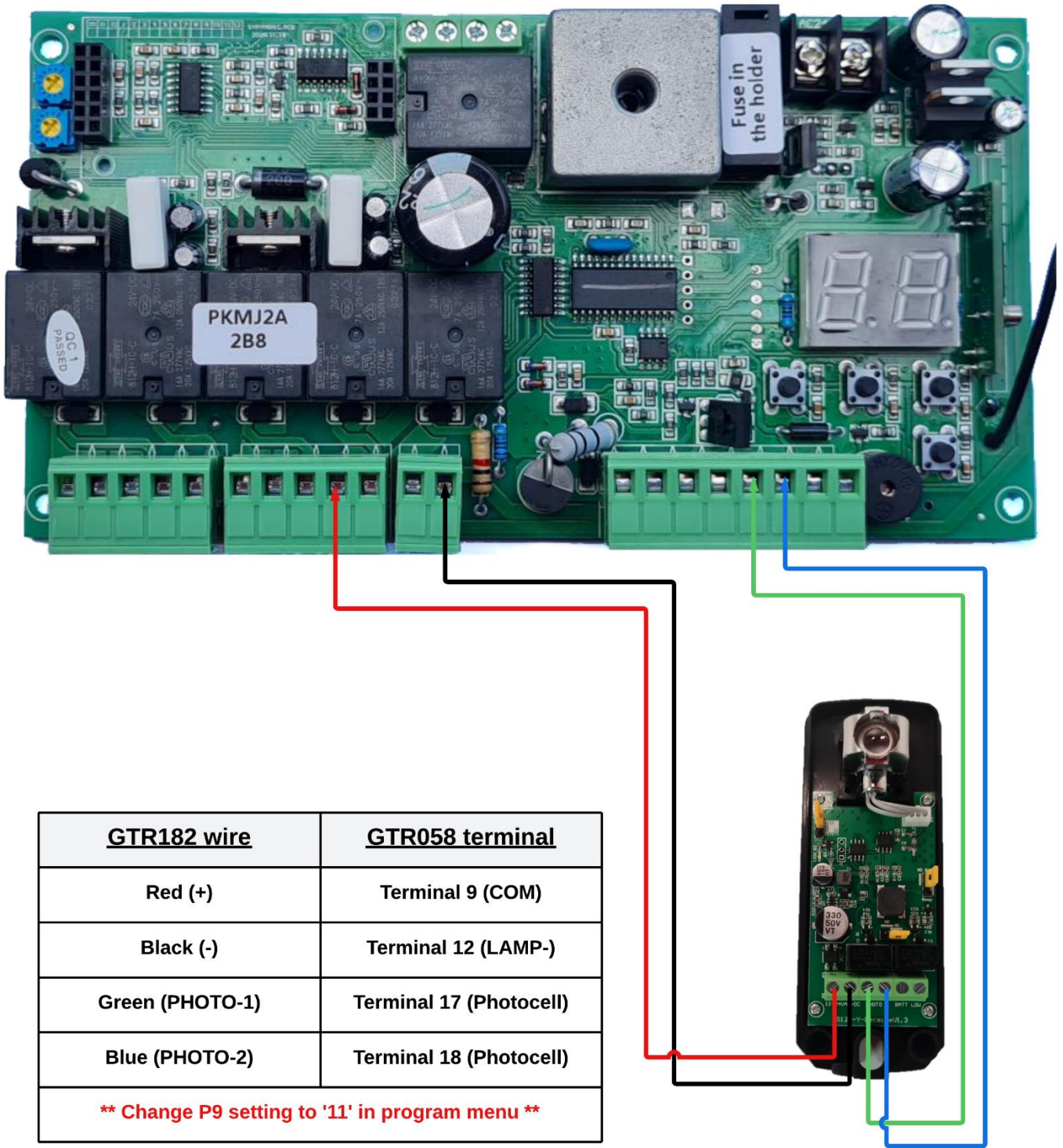
<u>GTR182 wire</u>	<u>GTR156/212 terminal</u>
Red (+)	Terminal 7 (+15v)
Black (-)	Terminal 9 (GND)
Green (PHOTO-1)	Terminal 4 (COM)
Blue (PHOTO-2)	Terminal 5 (O/S/C)
** Remove jumper wire between terminals 8 & 9 **	

GTR061 or GTR207 slide motor connection

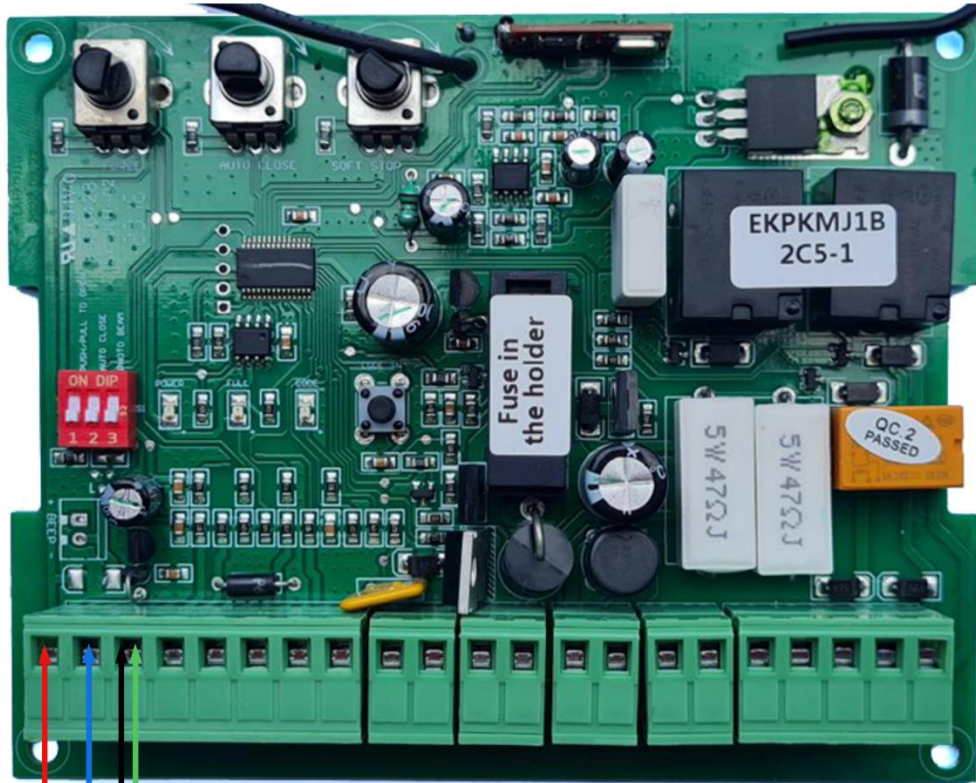


<u>GTR182 wire</u>	<u>GTR061/207 terminal</u>
Red (+)	Terminal 7 (24VDC)
Black (-)	Terminal 5 (COM)
Green (PHOTO-1)	Terminal 5 (COM)
Blue (PHOTO-2)	Terminal 6 (Photocell)
** Remove jumper wire between terminals 5 & 6 **	

GTR058 double swing connection



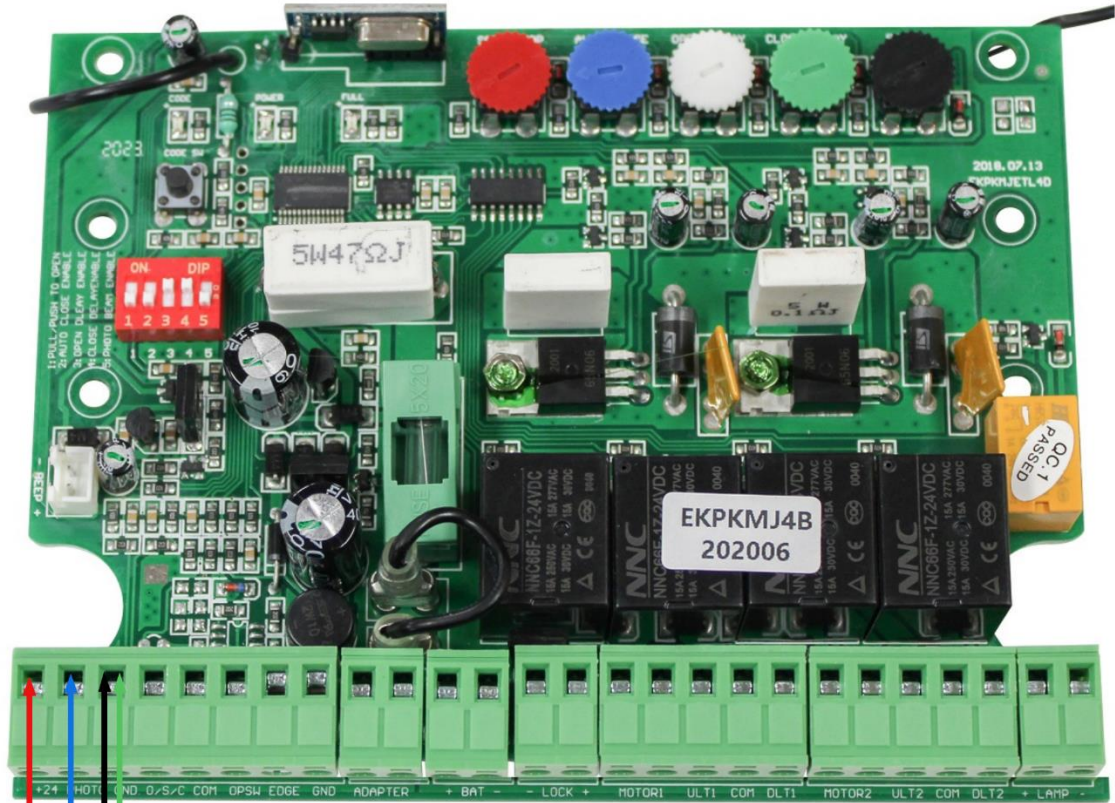
GTR099 single swing connection



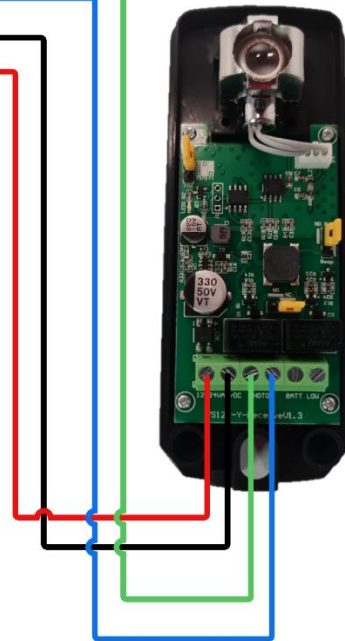
<u>GTR182 wire</u>	<u>GTR099 terminal</u>
Red (+)	Terminal 1 (+24)
Black (-)	Terminal 3 (GND)
Green (PHOTO-1)	Terminal 3 (GND)
Blue (PHOTO-2)	Terminal 2 (Photo)
** Change dip switch #3 to ON (up) **	



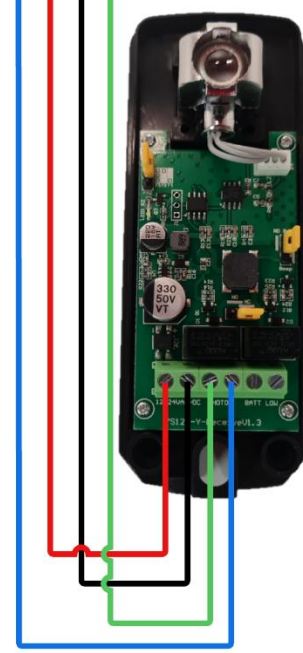
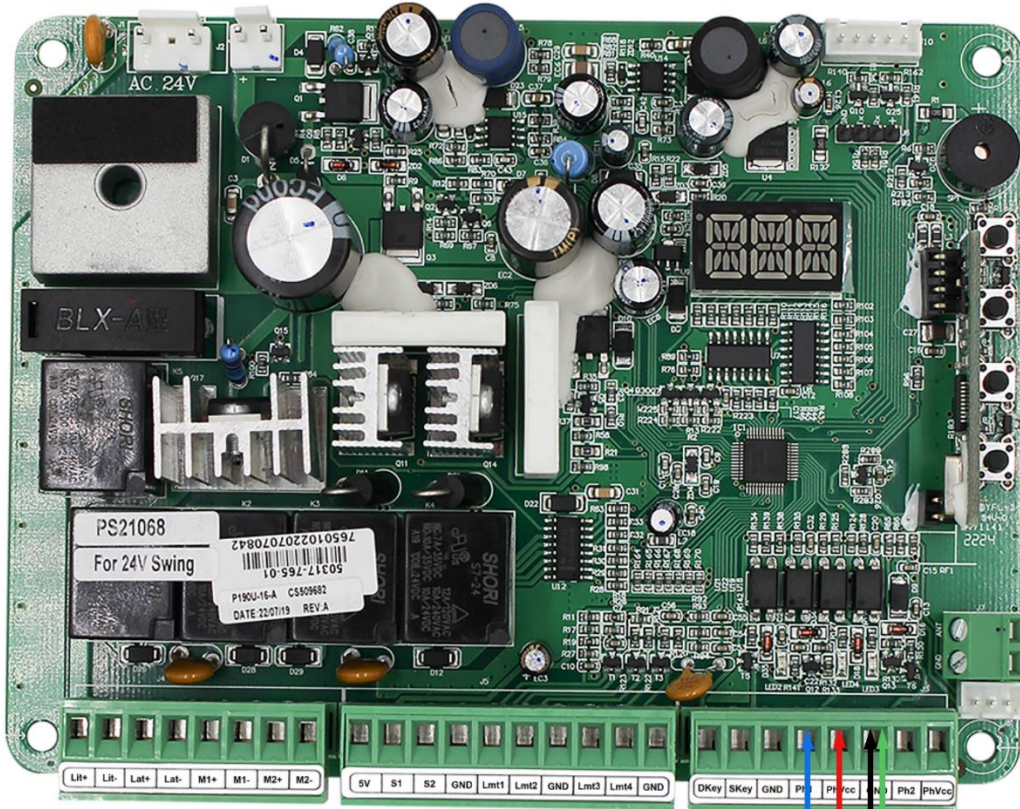
GTR062 or GTR078 solar swing connection



<u>GTR182 wire</u>	<u>GTR062/078 terminal</u>
Red (+)	Terminal 1 (+24)
Black (-)	Terminal 3 (GND)
Green (PHOTO-1)	Terminal 3 (GND)
Blue (PHOTO-2)	Terminal 2 (Photo)
** Change dip switch #5 to ON (up) **	



GTR500 to GTR503 swing and articulated connection



<u>GTR182 wire</u>	<u>GTR500-503 terminal</u>
Red (+)	Terminal 23 (PhVcc)
Black (-)	Terminal 24 (GND)
Green (PHOTO-1)	Terminal 24 (GND)
Blue (PHOTO-2)	Terminal 22 (Ph1)
** Change FH setting to 'FH1' (ON) in program menu **	