



GTR202

Hard-Wire Push Button



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 any gate/garage opener that allows a push button function.		

Technical Specs:

- **IP54 rating. Suitable for outdoor use.**
- **Product Dimensions: 70mm W x 70mm D x 70mm H.**
- **Hard-wired unit (2 core), no batteries required (wire not included).**
- **Contact Type: Single NO (normally open) relay. Momentary action switch.**

The GTR202 Hard-Wire Push Button:

The GTR202 Hard-Wire Push Button is a simple and effective one-touch switch for opening your Richmond sliding or swing gate. Manufactured in a weather-proof case, the unit is suitable for use outdoors, and it can be easily mounted on to a post or a wall in a convenient location.

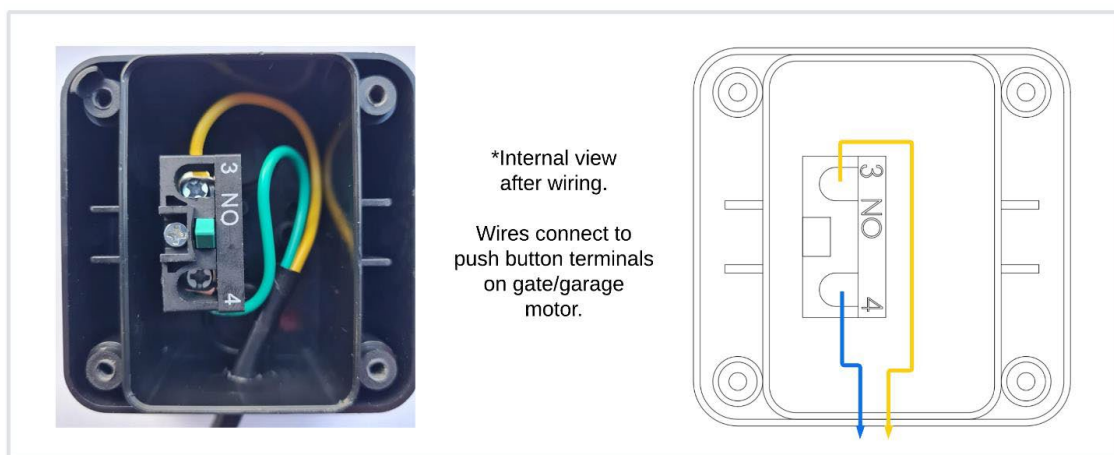
Multiple push buttons can be fitted to allow simple entry and exit at your property.

***Note:** If you install a GTR202 Hard-Wired Push Button, the auto-close function on your Richmond gate motor can be enabled to allow your gate to close automatically behind you.

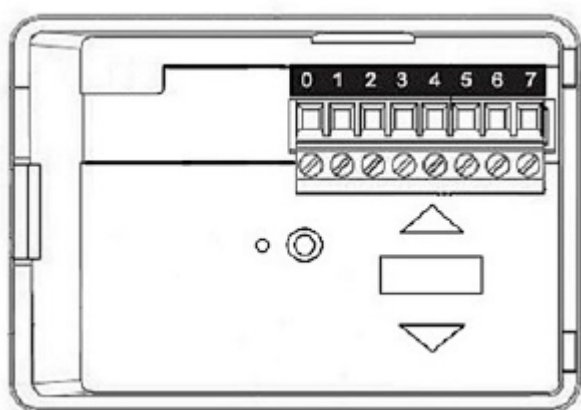
Connecting the GTR202 to a Gate or Garage Opener

Below is an example of how the GTR202 hard-wire push button can be wired into a gate or garage opener to allow simple operation with the press of a button.

1. Drill a small hole in one of the access ports on the side of the push button.
The hole and cable should always be located on the underside to minimise water getting into the housing.
2. Feed a 2-core cable through the hole and connect a single wire to each terminal as shown below.
The internal switch can be unscrewed and removed for easier connection if required.
*A cable tie around the cable will stop it being pulled out of the casing. You can also silicon around the cable.
3. Connect the cable to the push button or entry terminals on your gate or garage opener.
An example has been included below.
4. Multiple push buttons can be fitted so that both entry and exit buttons can be placed in different positions.



For the below example, the GTR202 push button would be wired as follows:



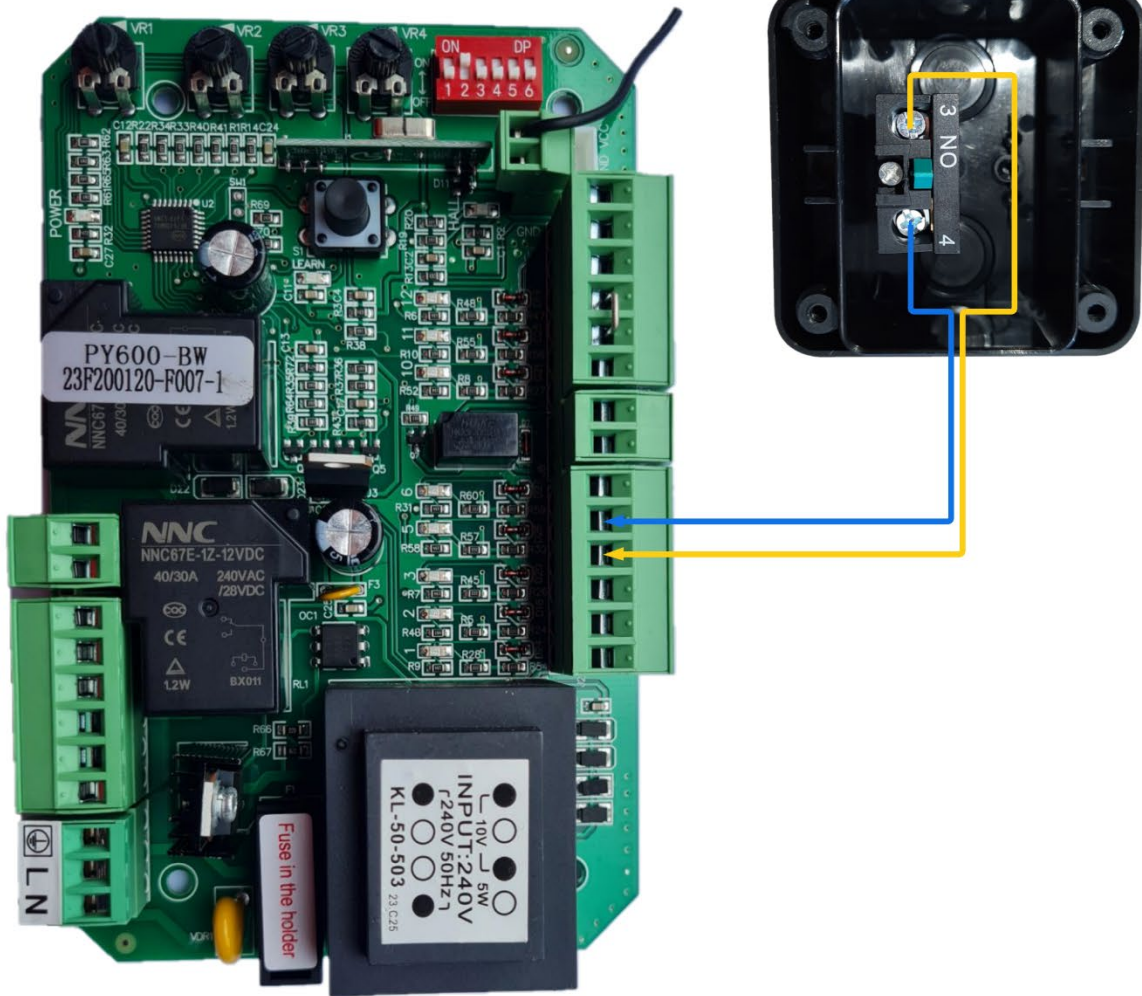
Gate/Garage Automated Opener Terminals		
Terminal	Function	Description
0	Ground	24volt DC Negative
1	24vDC+	24volt DC Positive
2	O/S/C or Open	Dry Contact (Open/Stop/Close)
3	Stop	Dry Contact (Close)
4	Close	Dry Contact (Stop)
5	COM	Dry Contact Common Terminal
6		Not used
7		Not used

Connection

GTR202 Terminal 3 into Terminal 2 (O/S/C or Open)

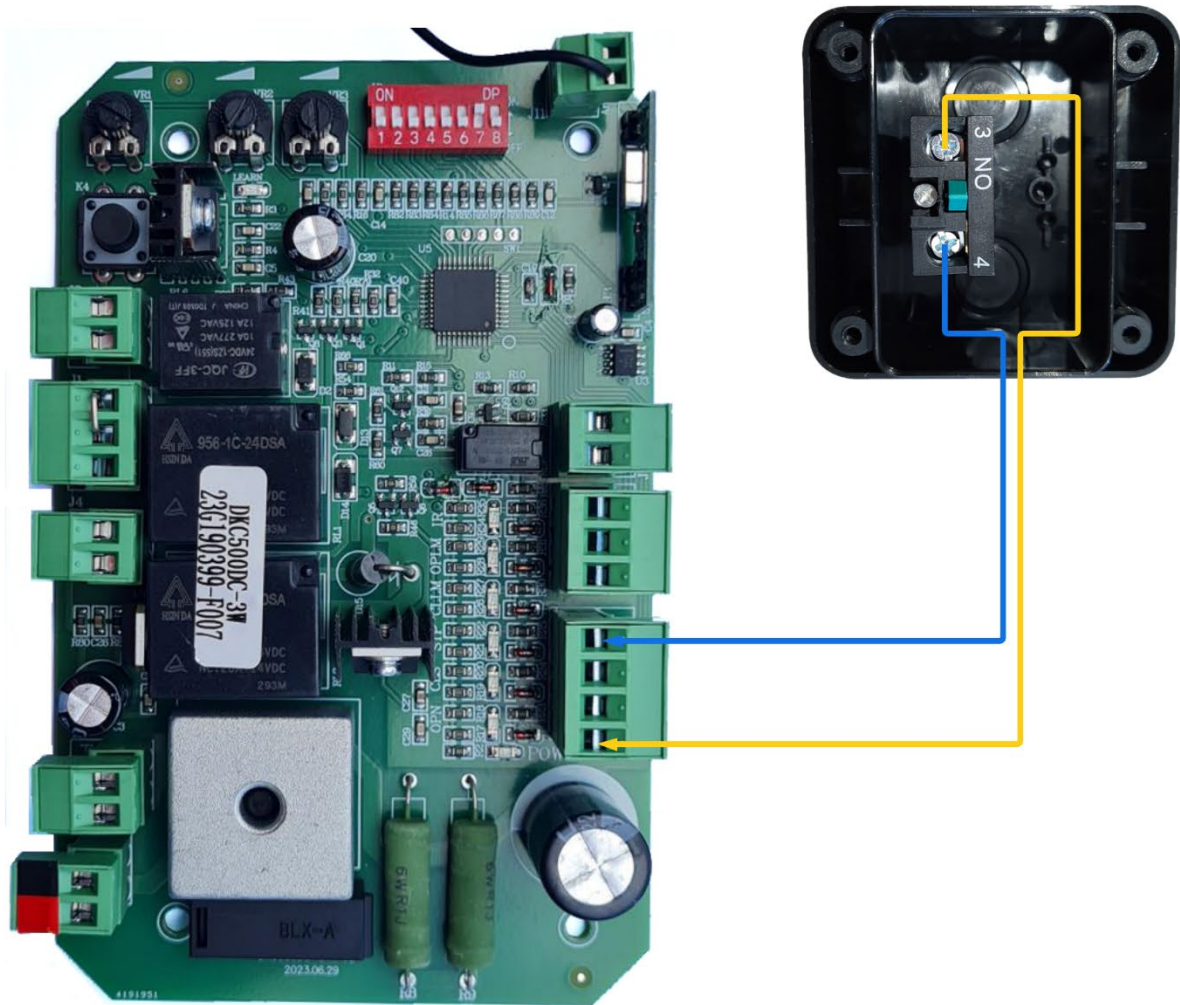
GTR202 Terminal 4 into Terminal 5 (COM)

GTR156 or GTR212 slide motor connection



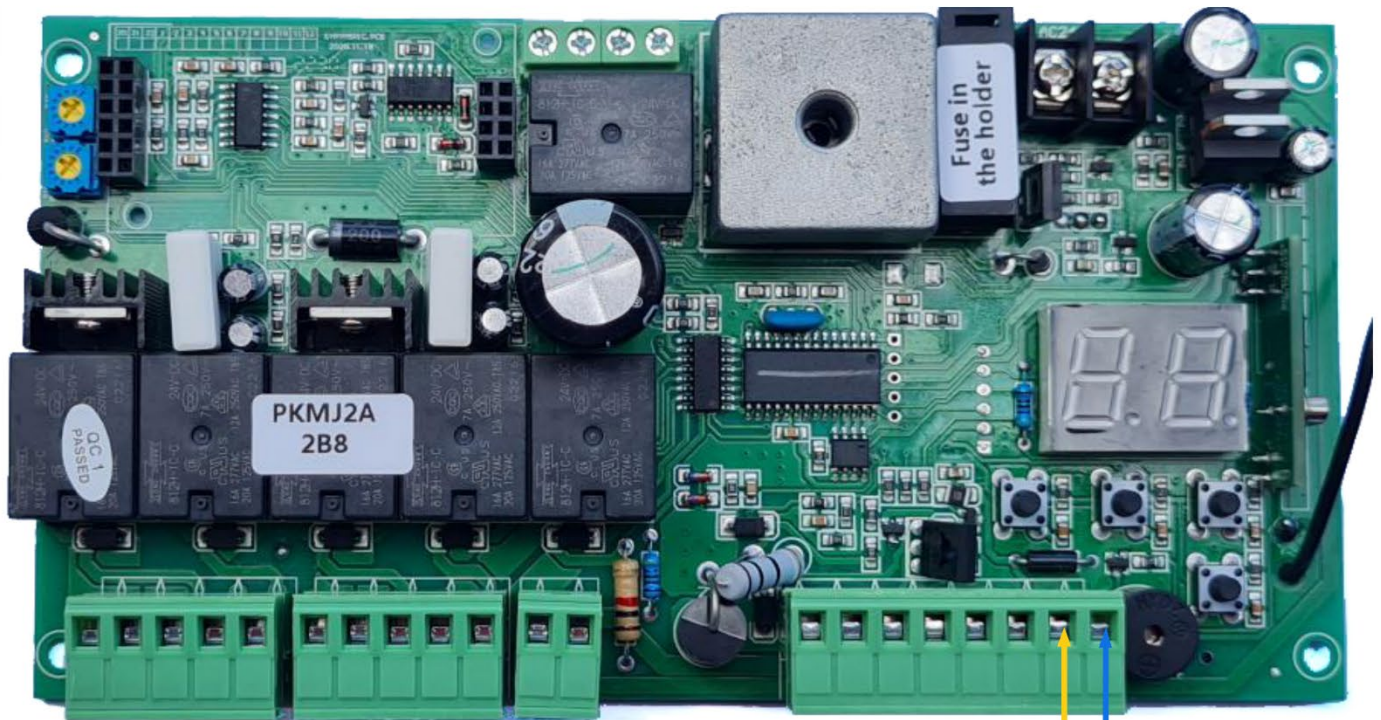
<u>GTR202 Terminal</u>	<u>GTR156/212 terminal</u>
Terminal 3	Terminal 4 (COM)
Terminal 4	Terminal 5 (O/S/C)
** No further settings adjustments needed *	

GTR061 or GTR207 slide motor connection

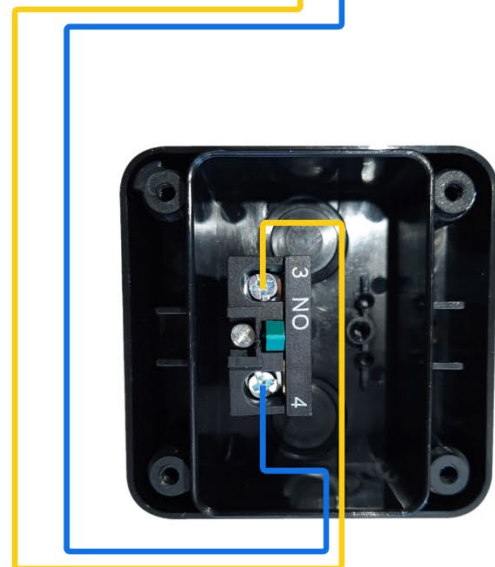


<u>GTR202 Terminal</u>	<u>GTR061/207 Terminal</u>
Terminal 3	Terminal 1 (O/S/C)
Terminal 4	Terminal 4 (COM)
** No further settings adjustments needed *	

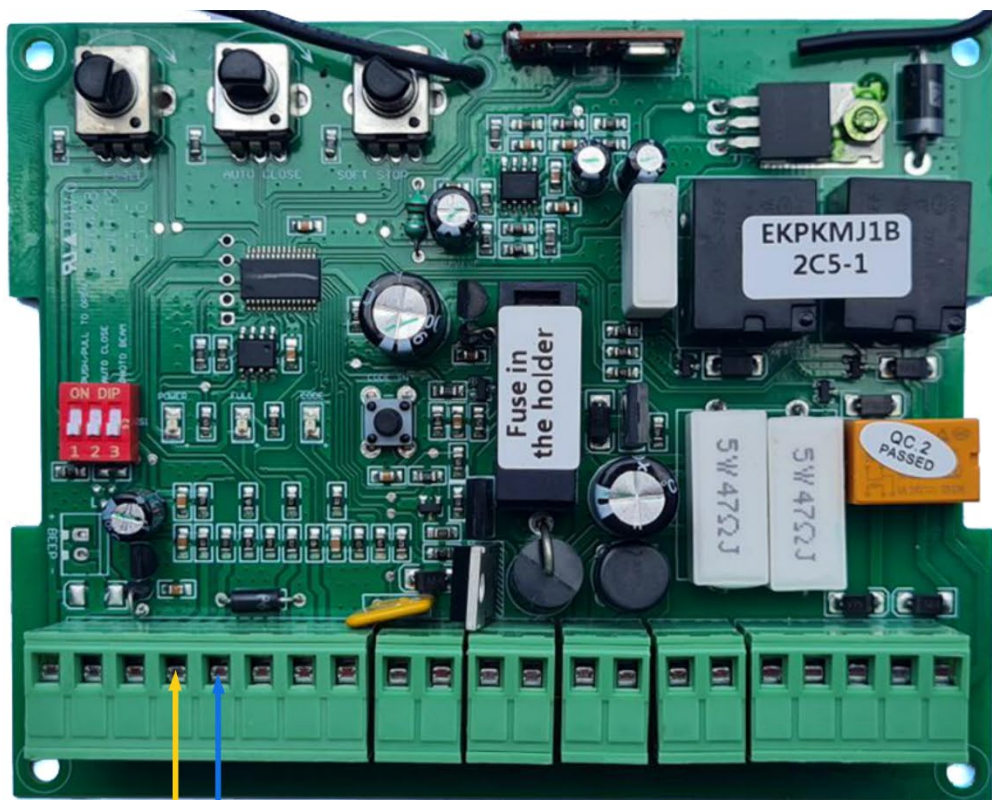
GTR058 double swing connection



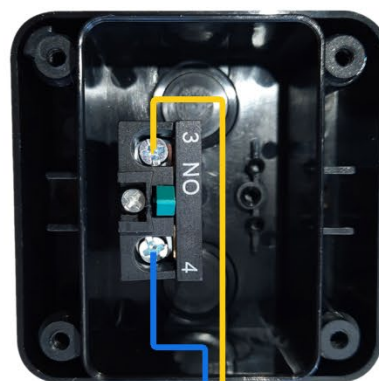
<u>GTR202 Terminal</u>	<u>GTR058 Terminal</u>
Terminal 3	Terminal 19 (O/S/C-1)
Terminal 4	Terminal 20 (O/S/C-2)
** No further settings adjustments needed *	



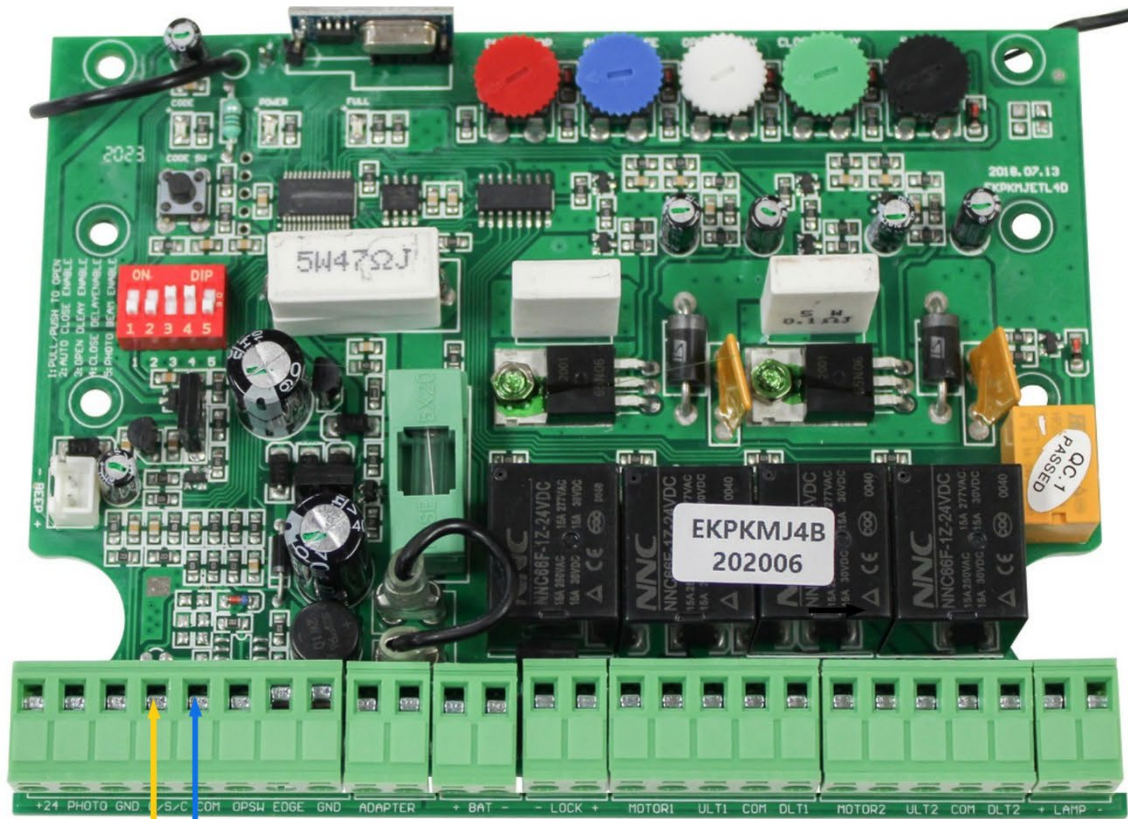
GTR099 single swing connection



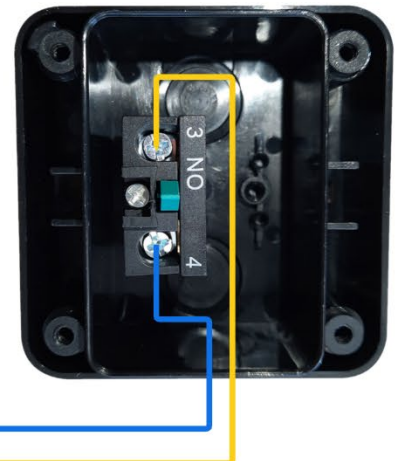
<u>GTR202 Terminal</u>	<u>GTR099 Terminal</u>
Terminal 3	Terminal 4 (O/S/C)
Terminal 4	Terminal 5 (COM)
Connect Terminal 24 to Terminal 12 inside the push button.	
** No further settings adjustments needed *	



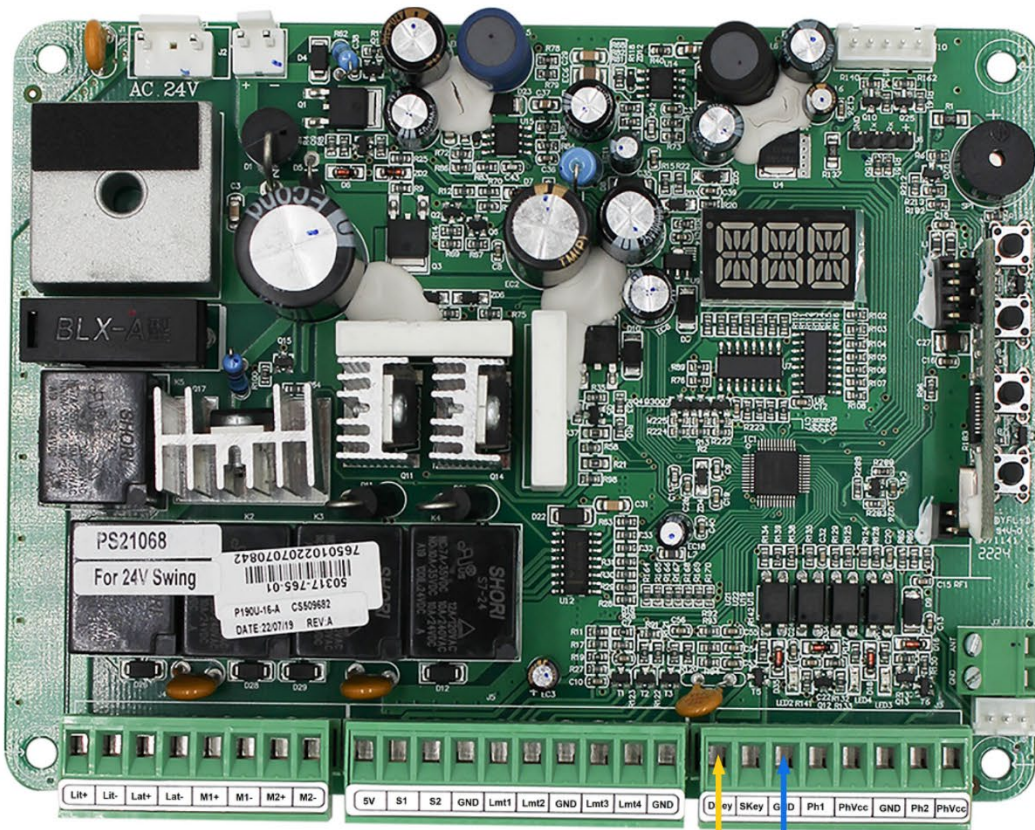
GTR062 or GTR078 solar swing connection



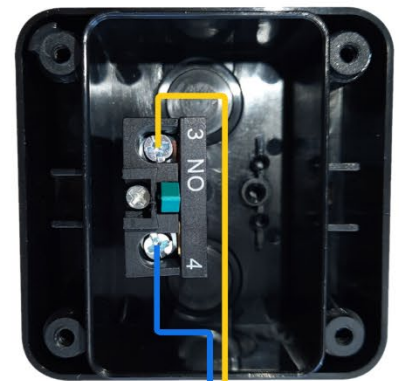
<u>GTR094 Terminal</u>	<u>GTR062/078 Terminal</u>
Terminal 23	Terminal 4 (O/S/C)
Terminal 11	Terminal 5 (COM)
Connect Terminal 24 to Terminal 12 inside the push button.	
** No further settings adjustments needed *	



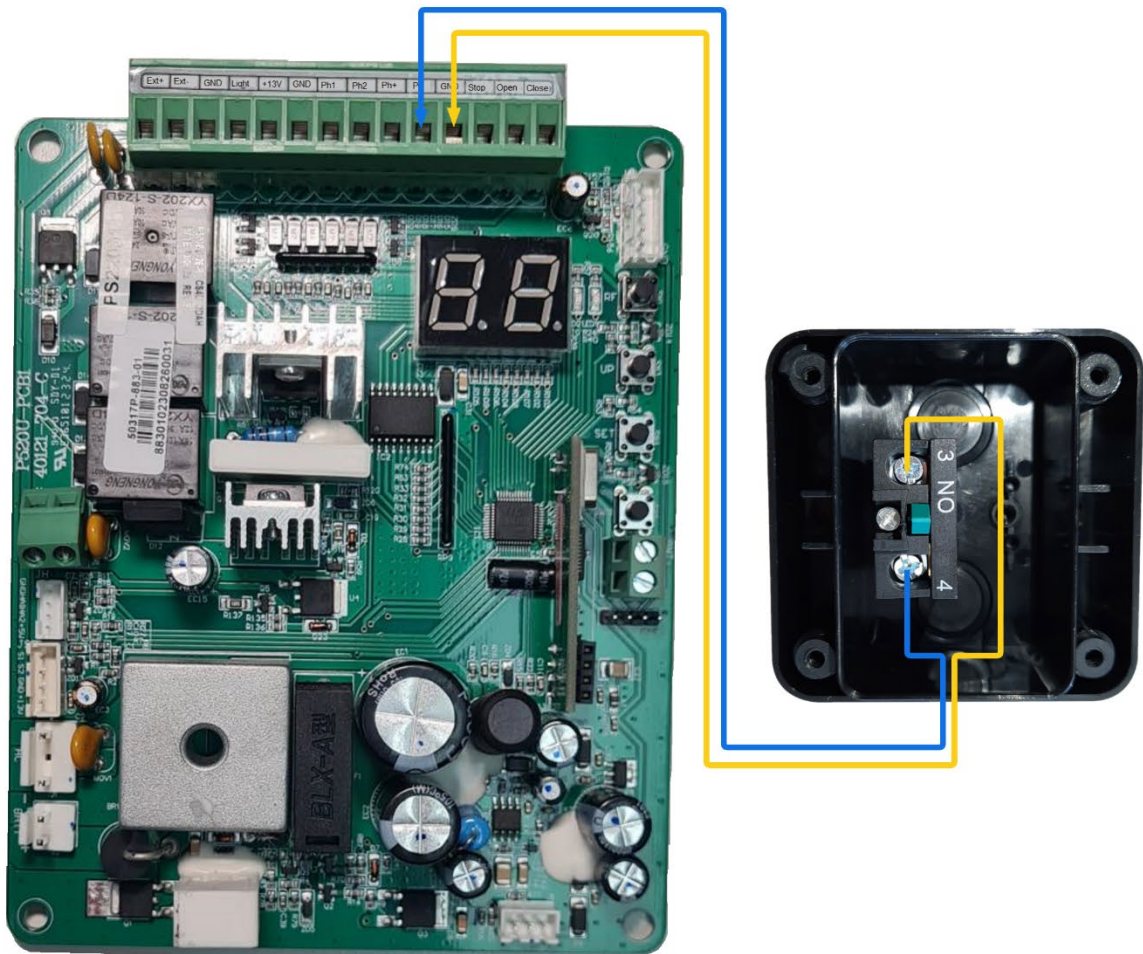
GTR500 to GTR503 swing and articulated connection



<u>GTR094 Terminal</u>	<u>GTR500-GTR503 Terminal</u>
Terminal 23	Terminal 19 (DKEY) or Terminal 20 (SKEY)
Terminal 11	Terminal 21 (GND)
** No further settings adjustments needed *	
** No further settings adjustments needed * DKEY & SKEY terminals can provide extra functions. Read 'FT' and 'FU' in the installation manual for further detail.	



GTR500 to GTR503 swing and articulated connection



<u>GTR094 Terminal</u>	<u>GTR500-GTR503 Terminal</u>
Terminal 23	Terminal 19 (DKEY)
Terminal 11	Terminal 21 (GND)
** No further settings adjustments needed *	