



Rollerdor

THE ROLLER GARAGE DOOR SPECIALISTS

RD2X2 Control Box

Installation guide for Roller Shutters with no vehicle/pedestrian access

Edition 2022/1





INSTALLING RECEIVER BOX

- 1** Carefully remove the cover by sliding it upwards from the enclosure, there is a membrane ribbon from the buttons on the box to the internal pcb board, please remove this from the pcb board by pulling carefully upwards.
- 2** Drill a 5mm hole in the wall roughly the centre of where you would like to fix the receiver box, then using the supplied fixings insert one of the 6mm wall plugs into the hole and screw one of the screws into this leaving approximately 10mm of screw head and thread showing.
- 3** Slide the rear of the receiver box flat against the wall and over the screw to hold in place and make sure it is level and square while you mark the remaining two fixings located at the bottom of the receiver box.
- 4** Remove receiver box from wall and drill 5mm holes into these two marks then place the remaining 6mm wall plugs into the holes.
- 5** Slide the receiver box back over the top screw and using fixing provided secure the bottom two lugs in place.
- 6** Remove the green 4 terminal motor connector from the board (**fig.1**) and you will see the letters on the board underneath.
- 7** If you have a safety brake with a cable then run the two core cable from the safety brake end across to the same end as the receiver box, making sure to securely fix the cable out of the way of the working mechanism.

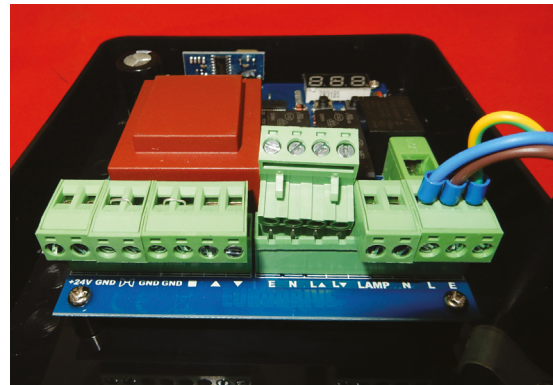


fig.1

8 Wiring as follows;

Pre wired Mains Power:

- N – Neutral / Blue power cable
- L – Live / Brown power cable
- E – Earth / Green/Yellow power cable

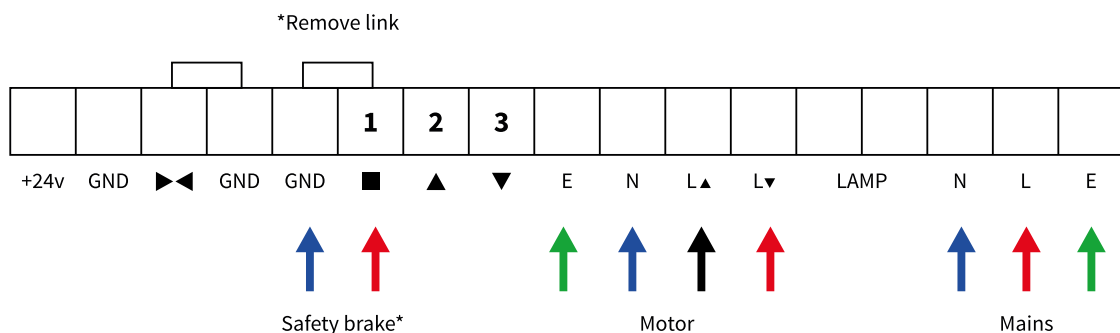
Motor:

- E - Green / Yellow motor cable
- N - Blue motor cable (4 core)
- L▲ - Brown motor cable (4 core)
- L▼ - Black motor cable (core)

Safety Brake:

- GND – Blue wire from safety brake cable
- - Brown safety brake cable

If no safety brake then link wire MUST stay in.



PROGRAMMING REMOTE CONTROL HANDSETS

- 1 Slide the black cover down on the remote control handset and you will reveal four buttons (fig.2).
- 2 Press and hold the left button (▲), then press and hold the right button (▼) if the barrel moves then the handset is already programmed in, please repeat with all other handsets if they are all programmed please proceed to 'Direction of rotation Section', if not then carry on to step 3.
- 3 With the handset in hand, locate button on the top right hand side of the board next to the digital display (fig.3) and press and release it so that the digital display will show "S.T.U".
- 4 Press and release the top button on the handset twice.
- 5 The S.T.U display will flash quickly to indicate success.
- 6 Repeat for all handsets.



fig.2

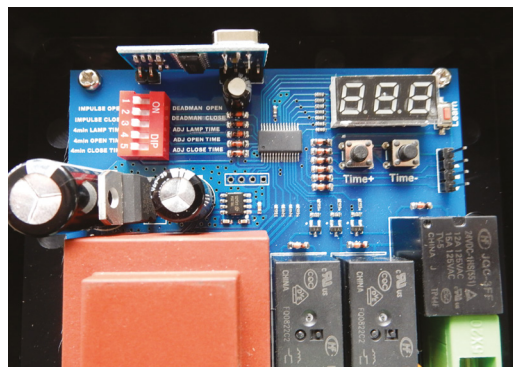


fig.3

DELETING REMOTE CONTROL HANDSET'S MEMORY

- 1 Located the red learn button on the top right hand side of the board next to the digital display (fig.2) and press and hold till the digital display comes up D.E.L then release.
- 2 Press and release the red learn button again and the D.E.L display should flash.
- 3 All handsets should now be deleted please test handset to see if this has worked.

DIRECTION OF ROTATION

- 1 Press and hold the right (▼) button on the handset and the barrel should start moving in the downward direction. Should the barrel be turning in the upwards direction press the stop button (■).
- 2 Swap the black and brown motor wires round in the green motor connection block.
- 3 Re-attach the membrane ribbon to the pcb board on to the 4 pins on the top right (fig.2)
- 4 Press and hold the down button and the barrel should start to close. Should the barrel be turning in the upwards direction press the stop button. Reverse the membrane ribbon on the pins.
- 5 Press and release the down button (▼). If the barrel continues in closing direction, press the stop button and in the top left corner is a bank of 5 dip switches (fig.1) flick the second from top dip switch to the right. You should now have to press and hold the down button for the barrel to move in the closing direction. Hold until the barrel stops moving.



OPTIONAL EXTRAS

HARD WIRED ROCKER / KEY SWITCH

WIRING AS FOLLOWS:

Receiver Box Green 4 Block Terminal (fig.4):

- ▲ – Up wire from switch
- ▼ – Down wire from switch
- – Common wire for the supply to the switch

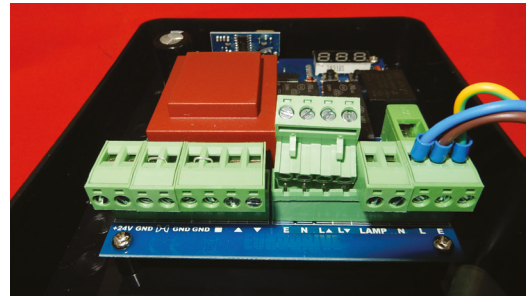


fig.4

Rocker Switch (fig.5):

- 4 – Up wire
 - 3 – Down wire
 - 5 – Common wire for the supply to the switch
- Fit Link wire from 5 to 2

To open rocker switch remove screws.

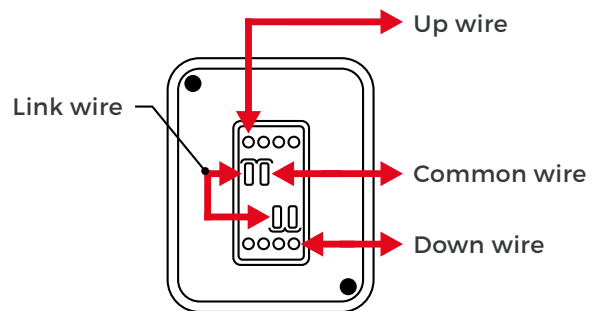


fig.5

Key Switch (fig.6):

- Right Block 13 – Up wire
- Left Block 14 – Down wire
- Right Block 14 – Common wire for the supply to the switch
- Left Block 13 – Right Block 14 Link wire between terminals

To open key switch remove screw then turn key a quarter turn.

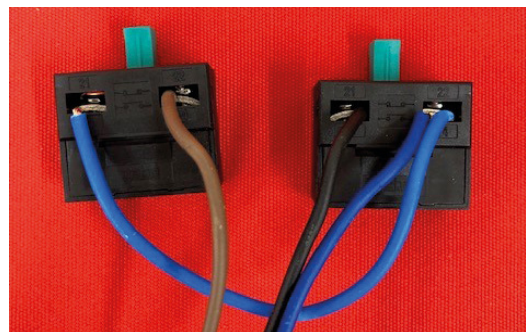


fig.6A

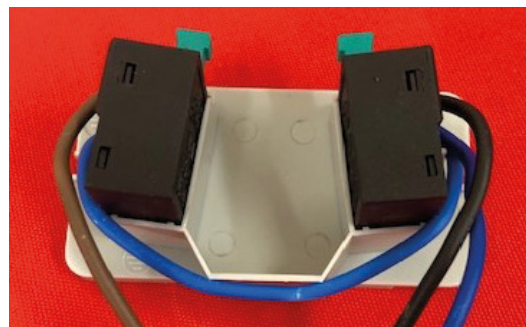


fig.6B

Rollerdor Ltd
10 & 12 Jarrold Way
Bowthorpe Employment Area
Norwich
Norfolk NR5 9JD

+44 (0)1603 743215
sales@rollerdor.net
www.rollerdor.net

Company Registration Number. 10676267

Registered Office Address:
Rollerdor Ltd, Bankside 300 Peachman Way,
Broadland Business Park, Norwich,
Norfolk, United Kingdom, NR7 0LB

Edition 2022/1

