

RD1X2 Control Box

Installation guide for Roller Shutters with no vehicle/pedestrian access

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1. INSTALLING RECEIVER BOX

- 1 Remove the lid of the receiver box by squeezing each side at the bottom where the wires come into the box (**fig.1A**).
- 2 Place the Receiver box on the wall with the cable pointing downwards at a comfortable height to operate the push buttons, but out of the easy reach of children. Between 1500mm up from the floor and 300mm down from the roof/ceiling is recommended.
- 3 Making sure the box is square, mark the three fixings (one top and two bottom), then drill and secure with fixings (**fig.1B**).
- 4 Remove the green 4 terminal block in the bottom left corner and you will see letters printed on the circuit board.
- 5 Wiring as follows (**fig.2 & fig.3**);

Pre wired Mains Power:

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

Motor:

- L – Brown motor cable (4 core)
- R – Black motor cable (4 core)
- Earth – Earth connection motor cable (4 core)
- N – Blue motor cable (4 core)

Safety Brake:

Remove red link wire from G and S, wire 2 core cable as follows;

- G – Blue safety break cable (2 core)
- S – Brown safety break cable (2 core)

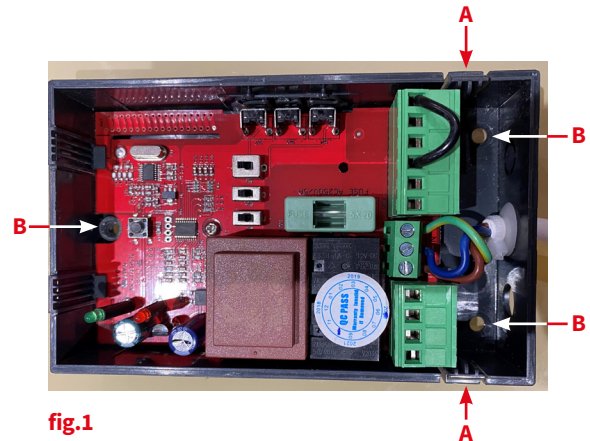


fig.1

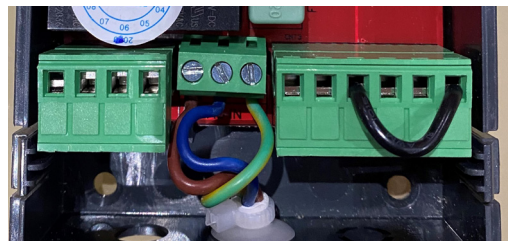


fig.2 (no safety brake)



fig.3 (safety brake)

DELETING REMOTE CONTROL HANDSET'S MEMORY

- 1 Press and release the black programming button located at the top middle of the receiver box just below the fixing screw, the green LED will start to flash (**fig.1**).
- 2 Press and hold the black programming button again and the green LED will start to flash faster. When this happens, release and press again one more time, the green LED will go out.
- 3 Test to see if remote operates barrel.

2. PROGRAMMING REMOTE CONTROL HANDSETS

- 1 Slide the cover down on the remote control handset and you will see there are four buttons (**fig.4**).
- 2 Press and hold the top left button (▲), then press and hold the top right button (▼), if the barrel moves then the handset is already programmed in. Repeat with all other handsets and, if all are programmed, proceed to 'Direction of Rotation Section', if not then carry on with step 3.
- 3 With the handset in your hand, press and release the black programming button located at the top middle of the receiver box just below the fixing screw (**fig.5D**). The green LED will start to flash.
- 4 Press and hold the bottom left programming button on the handset (●). The green LED will flash faster and go out.
- 5 Press and hold the top left button (▲), then press and hold the top right button (▼) to test. The barrel should move. Repeat with all other handsets that need programming.



fig.4

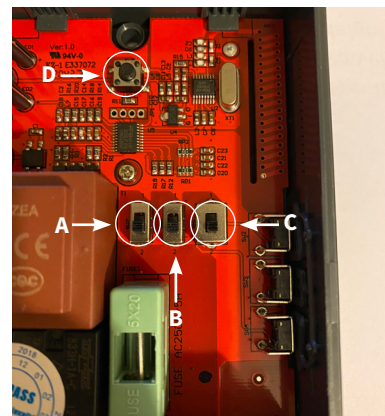


fig.5

DIRECTION OF ROTATION

- 1 Press and hold the top right button (▼) on the handset and the barrel should start turning in the downwards direction. Should the barrel be turning in the up direction, press the bottom right stop button (■) so the barrel stops and then move the right of the two dip switches up (**fig.5B**).
- 2 Press and hold the top right button (▼) on the handset, and the barrel should start turning in the downwards direction.
- 3 Press and hold the bottom button (▼) on the side of the receiver box and the barrel should start turning in the downwards direction. Should the barrel be turning in the up direction, press the middle button (■) on the side of the receiver box so the barrel stops and then move the single dip switch up (**fig.5C**).
- 4 Press and release the down button (▼), if the barrel continues in closing direction, press the middle button (■) and flick the left of the 2 dip switches up (**fig.5A**), You should now have to press and hold the down button (▼) to rotate the barrel in the close direction.



3. OPTIONAL EXTRAS

HARD WIRED ROCKER / KEY SWITCH

WIRING AS FOLLOWS:

Receiver Box Green 6 Block Terminal (fig.6)

- U – Up wire from switch
- D – Down wire from switch
- G – Common wire for the supply to the switch



fig.6

Rocker Switch (fig.7):

- 4 – Up wire
- 3 – Down wire
- 5 – Common wire for the supply to the switch
- 5 – 2 Insert Link wire between terminals

To open rocker switch remove screws.

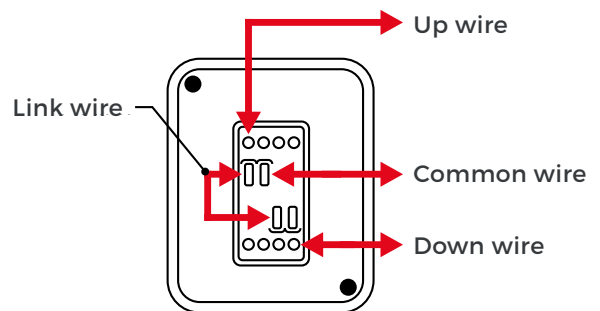


fig.7

Key Switch (fig.8):

- 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.

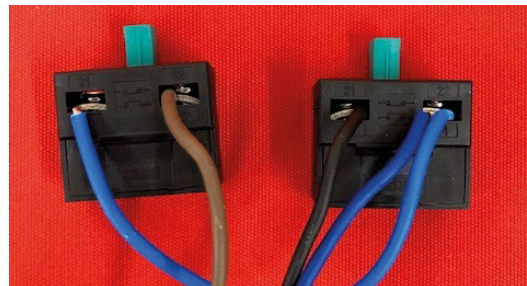


fig.8A

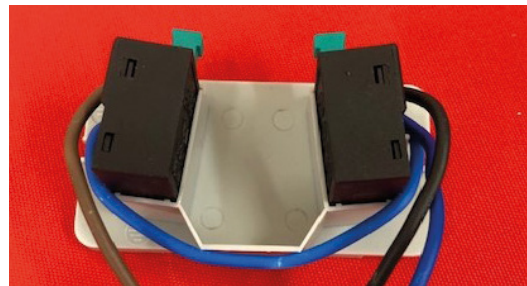


fig.8B

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