# Installer instructions

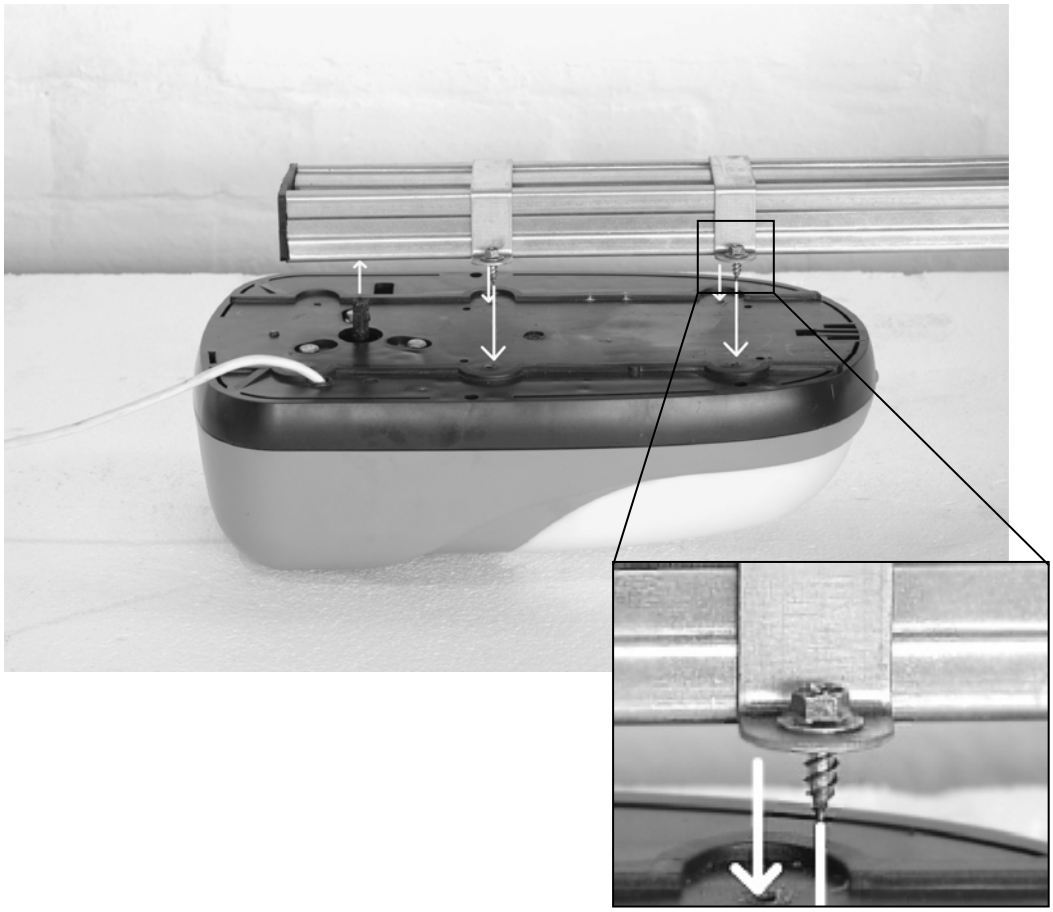
Remove this section on completion of the installation and leave the balance of the pages with the cover with the end user.

## Revision May 2006

**Please note the following changes to the previous revision.**

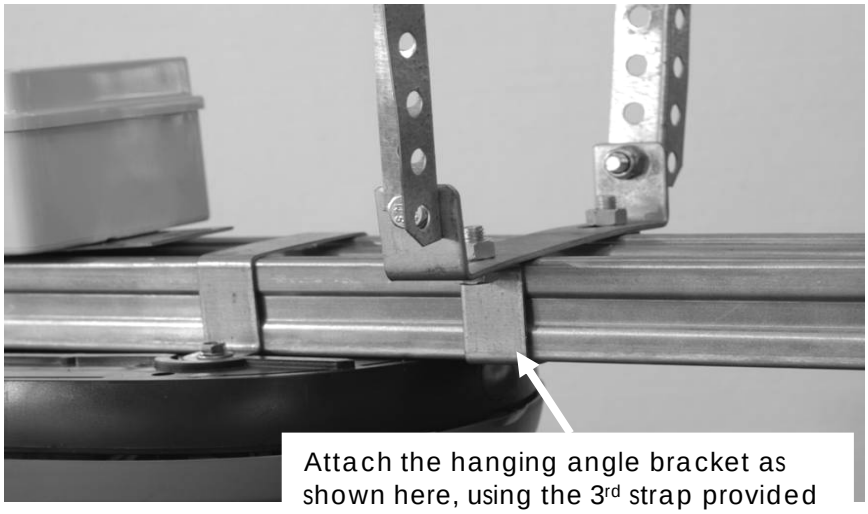
1. Increased receiver memory 25 locations for open/close BT and 6 locations for courtesy light L control
2. Added hands free master erase of receiver memory option, for when the plug point is across the garage.
3. Power fail indication: Buzzer beeps twice before opening.
4. Power failure will also disable the courtesy light relay to conserve battery power

**NB. Never run the motor head without the drawbar attached or move the bobbin position along the drawbar without the motor head attached. The internal limit switch assembly has been synchronized to the drawbar ex factory.**



1. While lining the splined shaft and socket up gently press the motor head and drawbar together. Use the base of the packaging to rest the motor head in while doing this so as not to damage it.
2. Swing the drawbar so that it lies evenly between the fastening points as above.
3. Fasten the mounting straps down using the 4 x tech screws supplied. Take care not to over tighten, as this will strip the mounting points.

## Mounting hanging angle bracket to drawbar

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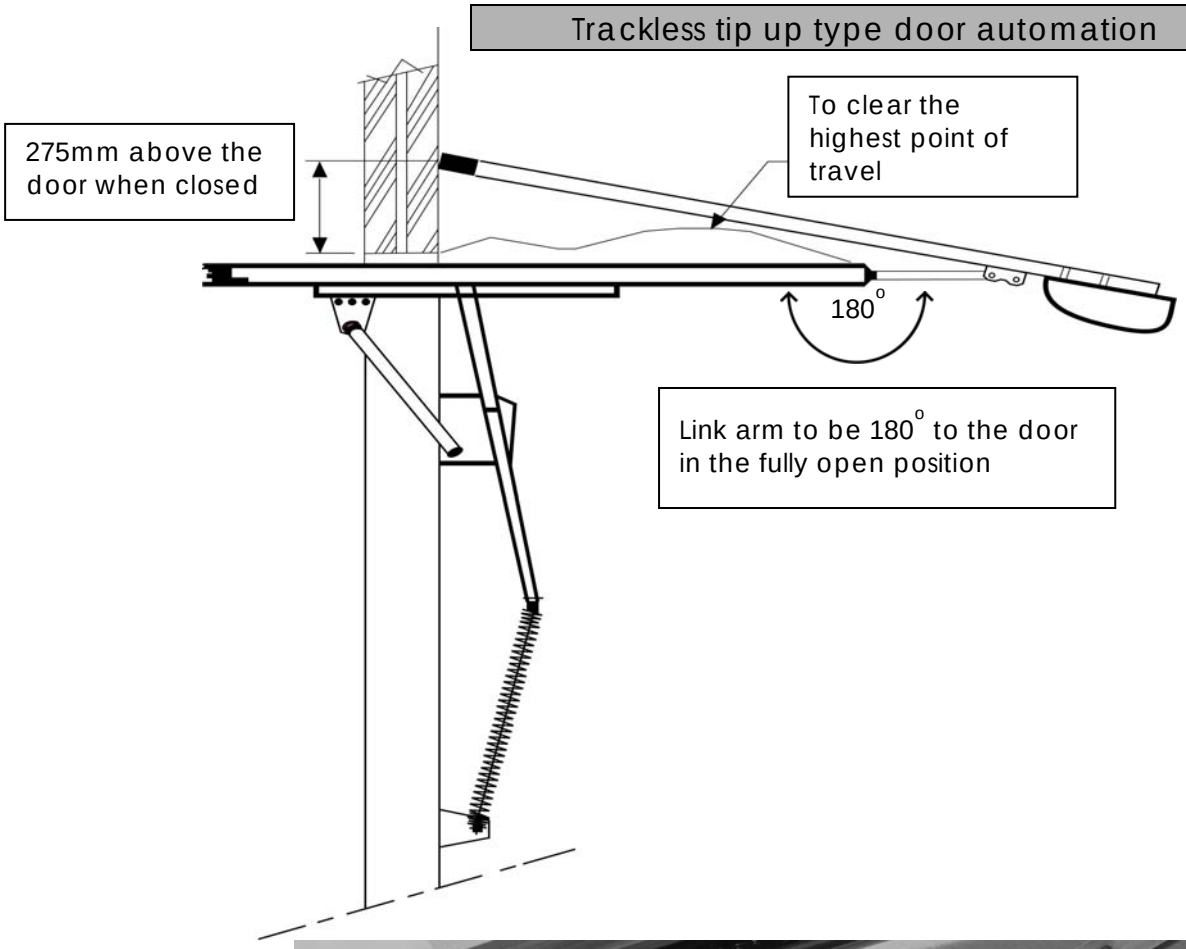
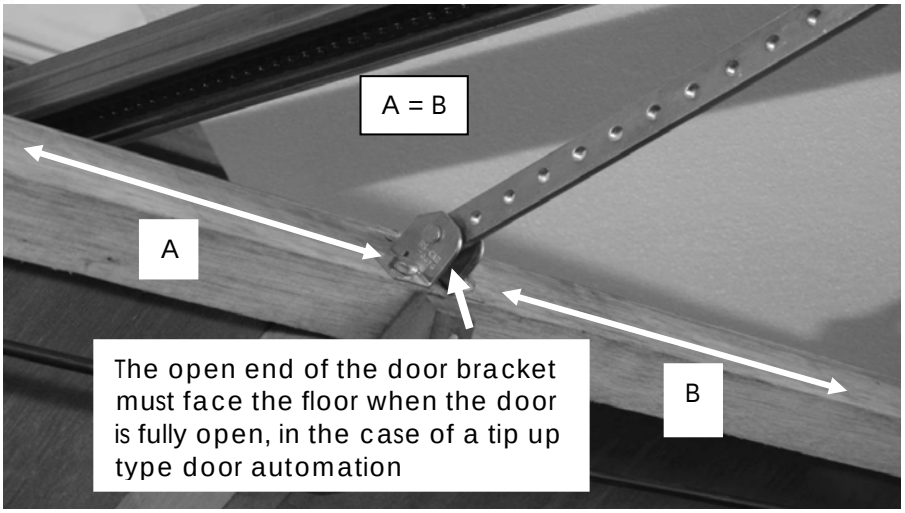
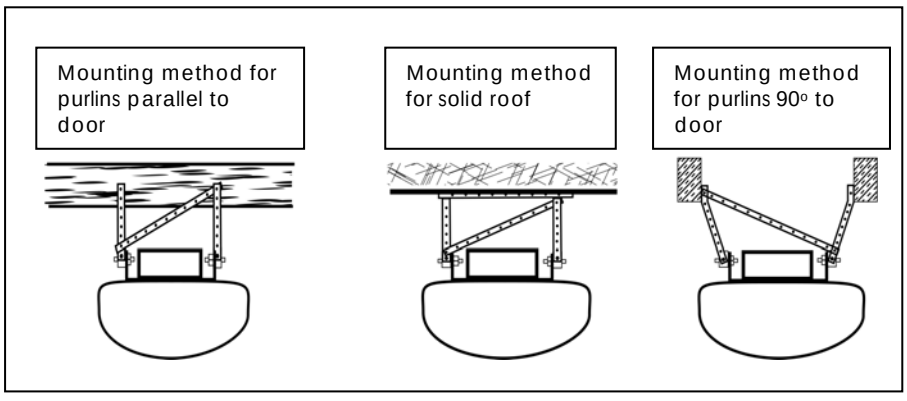
## Trackless tip up type door automation

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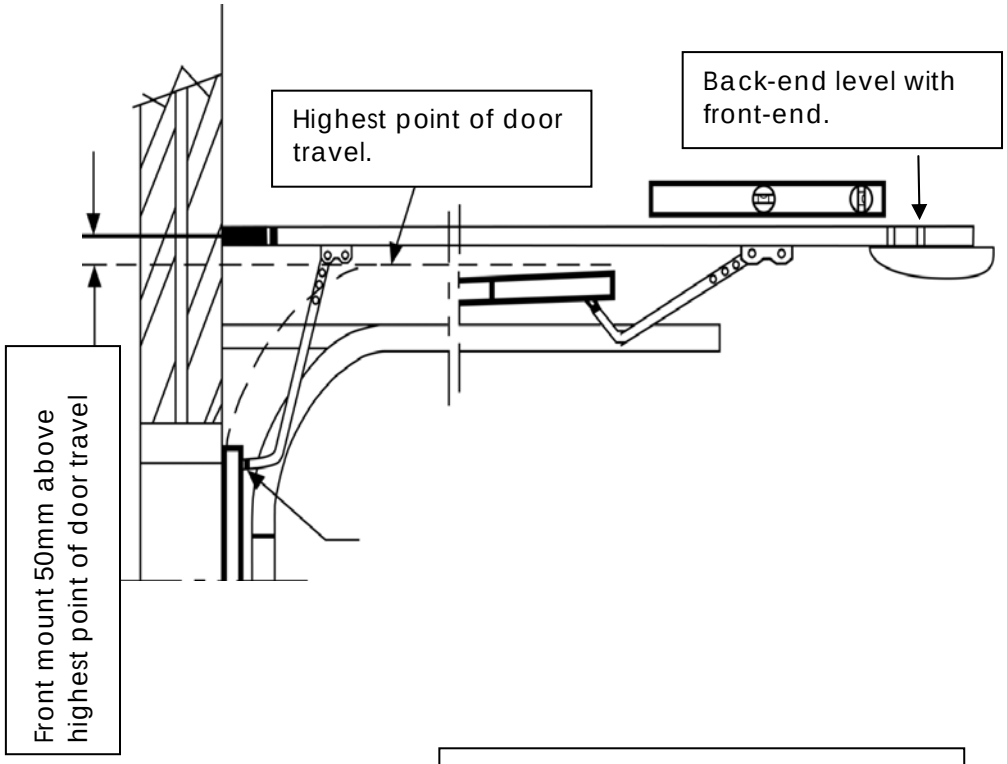
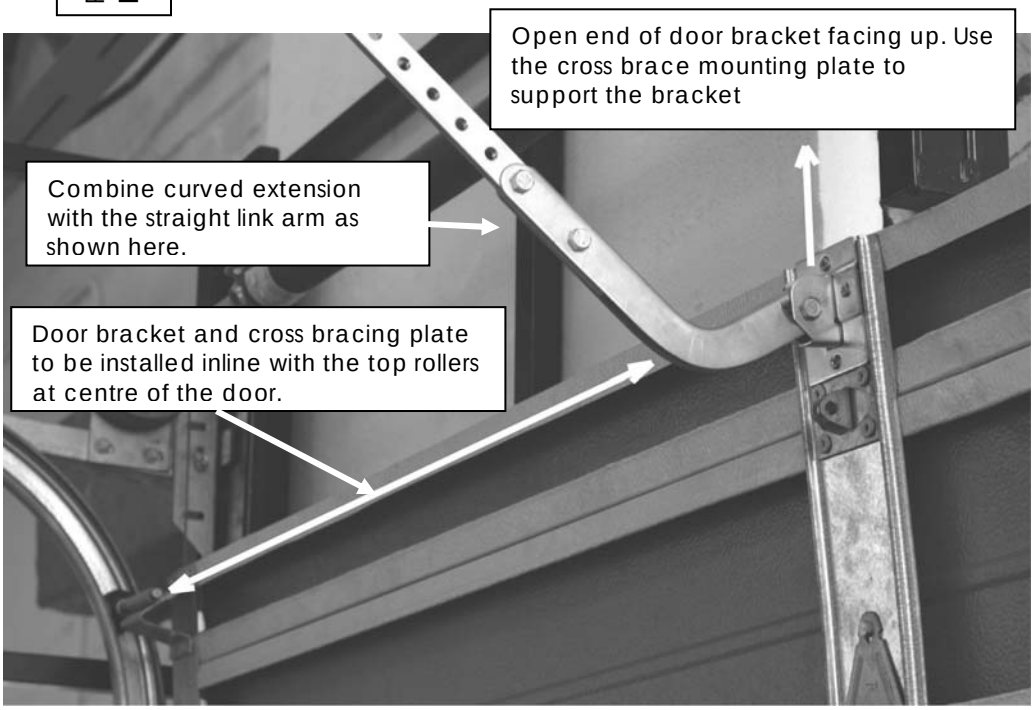
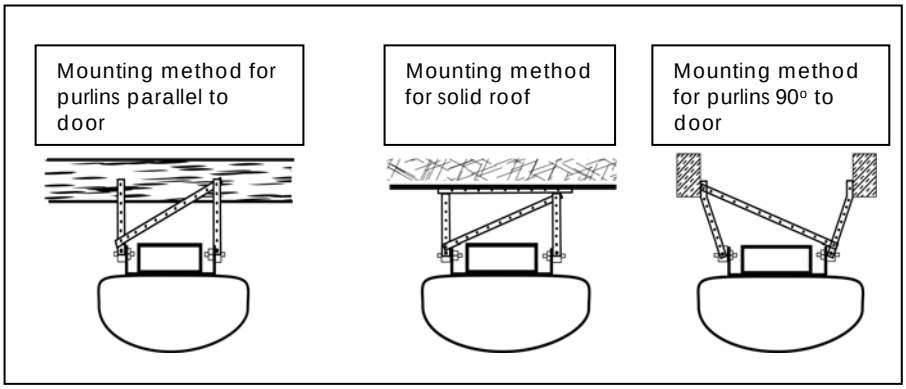
# Overhead sectional door type automation

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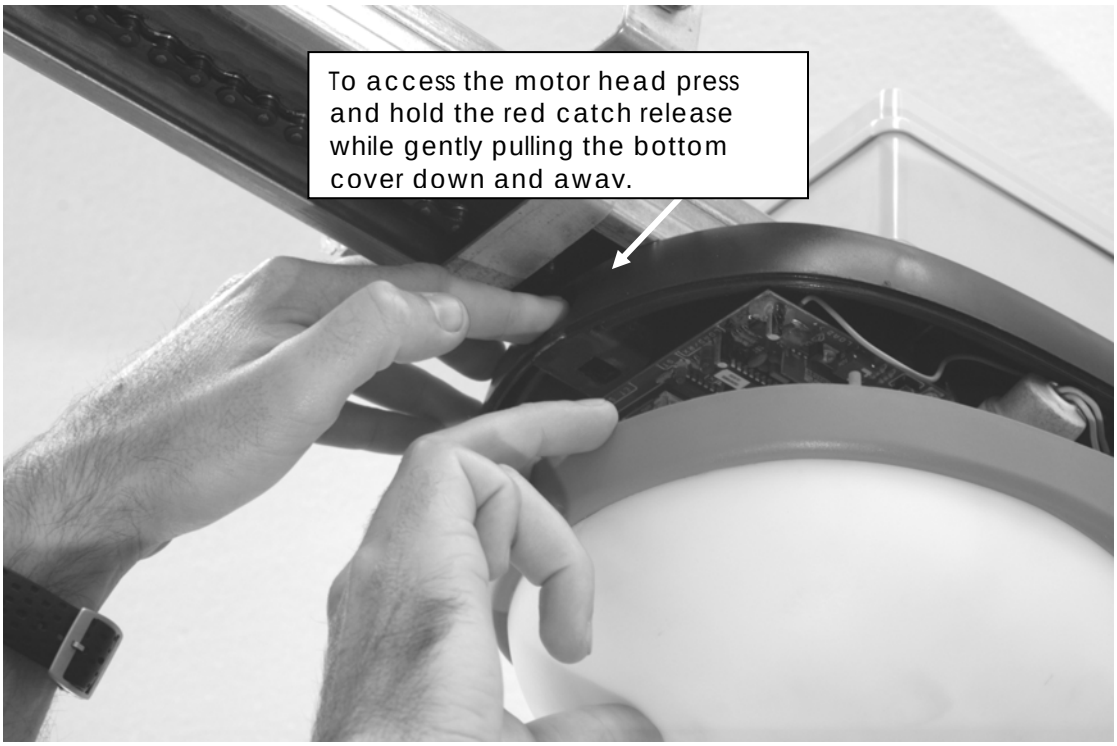
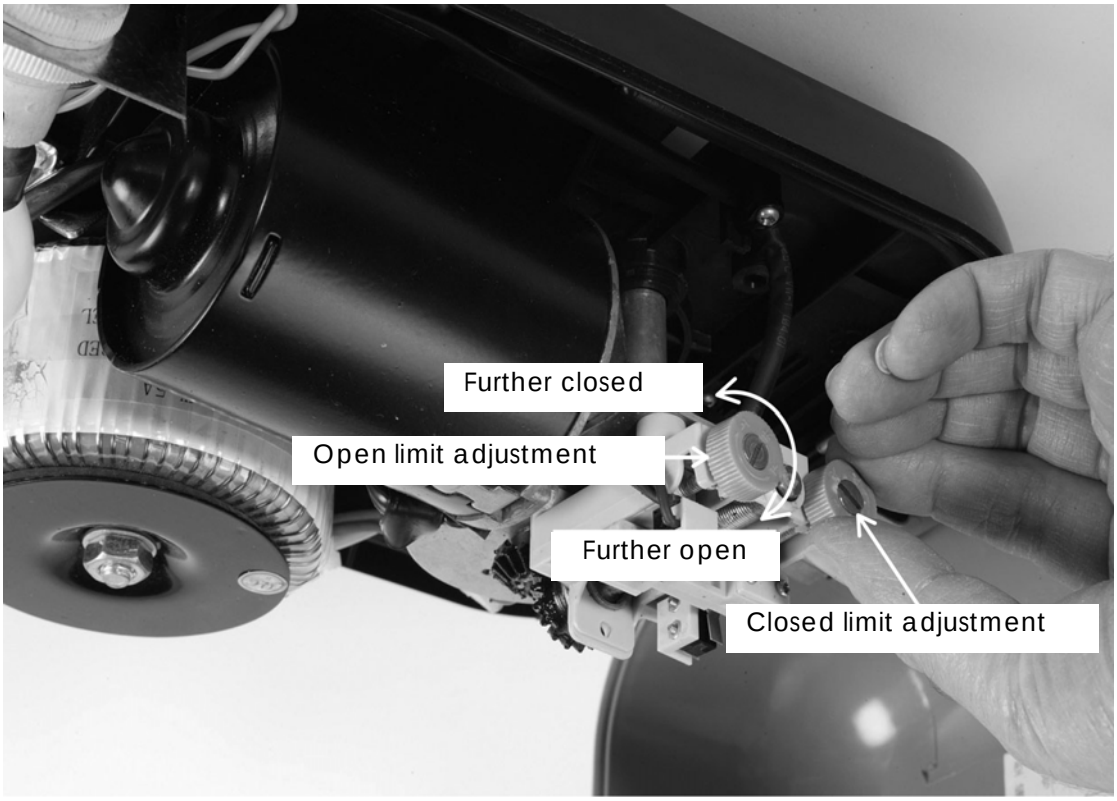



## You are now ready to adjust the limit switch positions

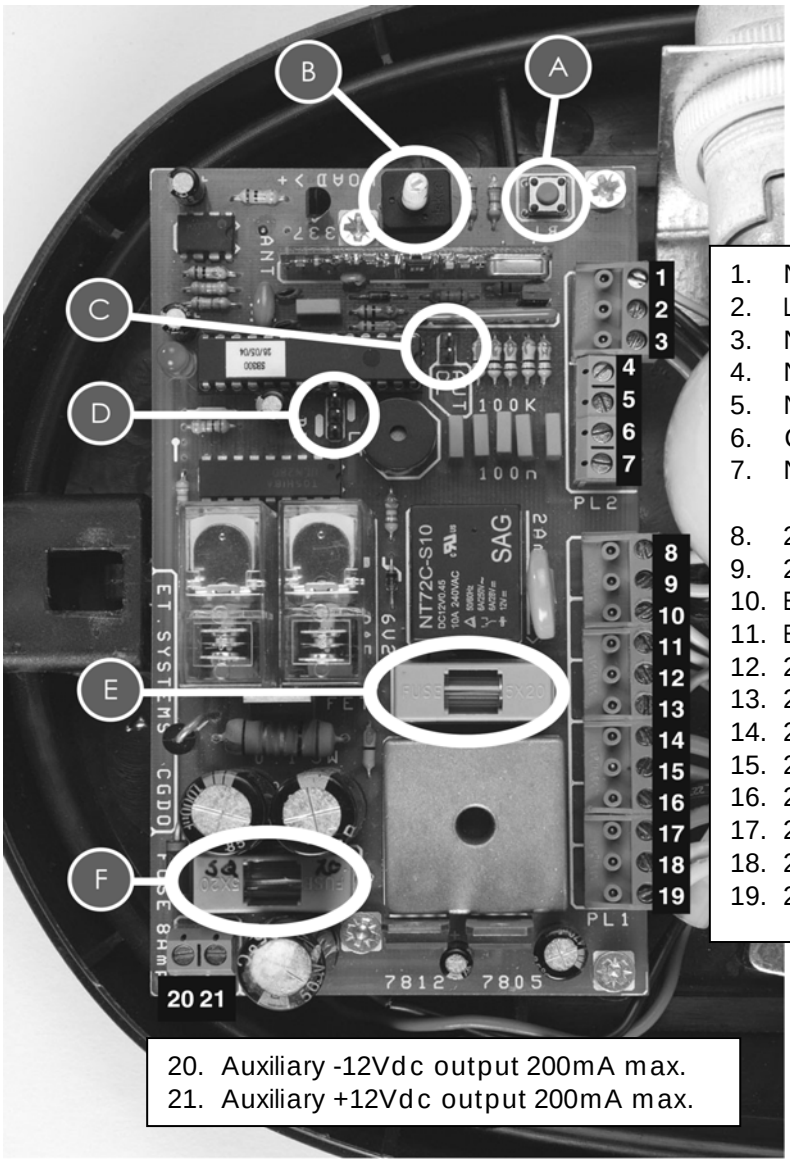



1. **Setting closed limit**: If the door stops short of the fully closed position turn the closed limit adjustment (on right above) anti-clockwise.
2. If the door closes hard and automatically re-opens (Obstruction sensing) then fine adjust the same thumbwheel clockwise.

3. **Setting open limit**: If the door stops short of the fully open position, turn the open limit adjustment thumbwheel (on left above) clockwise.
4. If the door reaches the fully open position and stops before activating the open, limit (Obstruction sensing); turn the thumbwheel anti-clockwise.

**If the unit is allowed to stop in the open position on obstruction sensing and not the limit switch, mechanical damage can occur. I.e. fiber glass doors being ripped.**

## Electronic wiring and programming




1. N/O Open limit input (Lo)
2. Limit common output (C)
3. N/O Closed limit input (Lc)
4. N/O Safety beams input (Bm)
5. N/O Light control input (L)
6. Common output (C)
7. N/O Button trigger input (Bt)

8. 220Vac Light output (LMP)
9. 220Vac Light output (LMP)
10. Earth (E)
11. Earth (E)
12. 220Vac Neutral input (N)
13. 220Vac Live input (L)
14. 220Vac to transformer primary
15. 220Vac to transformer primary
16. 24Vdc motor output (MOT)
17. 24Vdc motor output (MOT)
18. 24Vac from transformer secondary
19. 24Vac from transformer secondary

20. Auxiliary -12Vdc output 200mA max.
21. Auxiliary +12Vdc output 200mA max.

A. **Test Button**: Will operate door as though using a remote button.

B. **Load sensing P.O.T**: Used to adjust the amount of obstruction sensing is necessary to initiate the automatic safety routine. When closing the door will stop and reverse on sensing an obstruction and on opening the door, will stop and wait for the next trigger to reverse. Turn clockwise to make the operator less sensitive to obstructions.

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C. **Auto-close link**: A jumper placed across these two pins will allow the door to close automatically, after 20 seconds once it has reached the full open position.

D. **Receiver programming pins**: Max BT (Button trigger) = 25. Max L (Light) = 6

**To master erase: (It is recommended that this be done on first time set up)**

1. Remove all power
2. Short middle and BT receiver pins and place a wire short between terminal 6 and 7 (CM + BT ) of connector block
3. Re-apply power. Buzzer will begin 1 second beeps.
4. When buzzer emits 1 continuous tone remove shorts and power
5. Re-apply all power.

**Programming new Transmitters into memory**

1. Press and hold required TX button,
2. While holding the TX button short the middle pin to the required channel pin (BT or L)
3. When buzzer beeps release TX button and remove short.
4. Repeat 1 to 3 above for further TX's

E. **AC supply fuse**: If blown replace with a 2A fast blow fuse only.

F. **Motor output fuse**: If blown replace with an 8A fast blow fuse only. This fuse will blow if the maximum overload is exceeded.

## Advanced onboard receiver features.

1. **Adding remotes via an existing remote:** This feature allows the installer to guide his client through the adding of remote controls to the Bt (Button trigger) channel without accessing the control card, using a previously programmed remote that has control of the L (light) channel.

    a. Open door fully,
    b. Press and hold the remote button that controls the (L) light channel, until the onboard buzzer emits a continuous tone,
    c. Press and release the button on the new transmitter before the buzzer tone stops. If the tone stops before pressing a transmitter button then restart from (b).
    d. The onboard buzzer will indicate whether or not the programming was successful by one of the following;

        i. **No beeps** = unsuccessful – contact supplier.
        ii. **2 beeps** = successful – repeat steps (a) to (c) for more remote programming.
        iii. **10 beeps** = successful however the previous remote in memory location has been deleted due to the memory being full. – Contact supplier.

2. **Remote controlled holiday lock-out:** This feature allows for any of the remotes programmed into the L (light) channel to lock-out all use of the unit. i.e. disallow housekeeper from gaining access when the owner is away.

    a. Close door fully,
    b. Press and hold the remote button that controls the L (light) channel, until the onboard buzzer emits three rapid beeps.

    Any Bt (Button trigger) attempt will now result in the onboard buzzer repeating the three rapid beeps.

    c. To unlock repeat (b) above, this time however the onboard buzzer will emit three long beeps to indicate unlock status.