SETTINGS AND ADJUSTMENTS

The following section outlines the selectable options and features which are available to the user. The Control Box cover must be removed in order to access the components which control these features. Switch off power at power outlet - hinge down the light cover and remove the single retaining screw and then unclip the cover from its base.

9. Engaging & Disengaging the Opener

Always disengage the Opener with the door in the fully closed position. If disengaging from any position other than the door fully closed ensure that there are no persons and/or property near or directly under the path of the door.

To Disengage

- Pull down on the release cord until a click is "felt" and then release the cord

To Engage

- Pull down on the release cord once again until a click is "felt" and then release the cord

10. Transmitters – Learning & Deleting

A. Mass Learning

Function – Learns ALL 4 transmitter buttons as follows:
1. Run 2. Auto Close Override 3. Courtesy Light 4. Vacation Mode
To Learn – Press (red) Learn button (2) **–** LED (1) single blinks
Press any Transmitter (4) button twice – learn complete

B. Run A Function Learning

Function – Learns only Run button.
To Learn – Press (red) Learn button (2) twice **–** LED (1) double blinks.
Press desired Transmitter (4) button twice – learn complete

C. Run B Function Learning

Function – Door will not auto close when opened from this button.
To Learn – Press (red) Learn button (2) 3 times **–** LED (1) triple blinks
Press desired Transmitter button (4) twice – Learn complete

D. Courtesy Light On/Off Function Learning

Function – Turns courtesy light on/off
To Learn – Press (red) Learn button (2) 4 times **–** LED (1) quadruple blinks
Press desired Transmitter button (4) twice **–** Learn complete

E. Vacation Mode Function Learning

Function – Disables most opener functions
To Learn – Press (red) Learn button (2) 5 times **–** LED (1) quintuple blinks
Press desired Transmitter button (2) twice **–** Learn complete

F. Wireless Wall Switch

The wireless wall switch can be programmed in the same way as a transmitter. Select one of the methods outlined in parts A **–** G and Learn accordingly.

G. Deleting all Transmitters

Momentarily press (red) Learn button (2) **–** LED (1) single blinks
Press and hold (black) Run button (3) **–** LED rapid blinks
Transmitters deleted once LED ceases to blink

11. Door Travel Adjustment

When adjusting limits always ensure that the Opener is disengaged from the door and not connected to the power supply

Open Direction

- Move the door by hand to the fully open position.
- Remove the light cover to expose the Limit Cams.
- Slightly loosen the 3 lock screws so that the Cams can be rotated by hand with a firm push.
- Rotate the "Open" Cam in the direction of the limit switch until the switch is heard to "click".
- Once the switch "clicks" continue to rotate the cam a further 5 degrees **towards** the switch.
- Check adjustment by partially raising and lowering the door by hand. The switch should "click" approx 50mm **before** the door stoppers reach the track stoppers.
- If necessary adjust the Open Limit Cam accordingly - turn the cam **towards** switch to **decrease** door travel and **away** from the switch to **increase** door travel.

Close Direction

- Move the door by hand to the fully closed position.
- Rotate the "Close" Cam in the direction of the limit switch until the switch is heard to "click".
- Once the switch "clicks" rotate the cam by 5 degrees back away from the switch.
- Check adjustment by partially raising and lowering the door by hand. The switch should "click" approx 20mm **before** the door reaches the ground.
- If necessary adjust the Close Limit Cam accordingly - turn the cam **towards** switch to **decrease** door travel and **away** from the switch to **increase** door travel.

SETTINGS AND ADJUSTMENTS

12. Safety Reverse

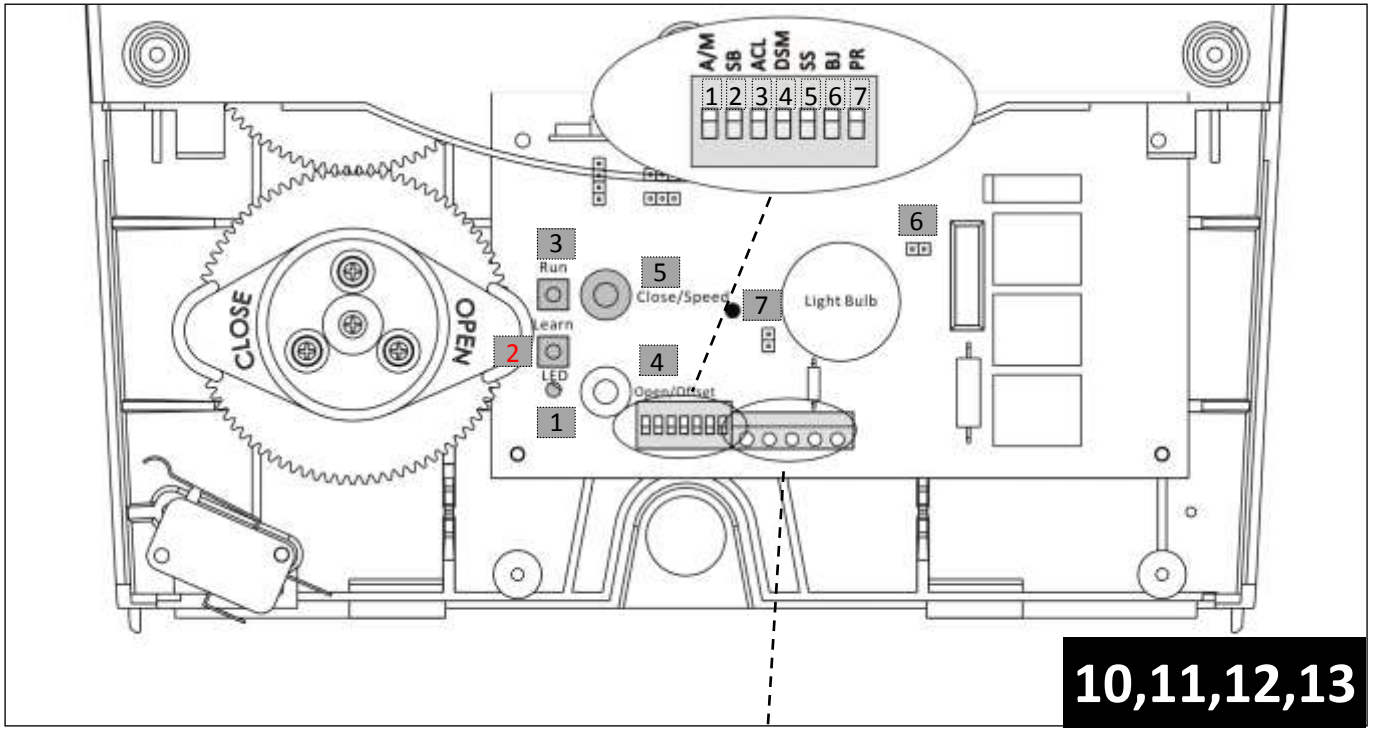
During a closing movement Auto Reverse ensures that the garage door will stop and reverse (Auto Reverse) when it encounters an obstruction thus ensuring the safety of people and property. During an opening movement the garage door will stop (Safety Stop) when it encounters an obstruction. The amount of force required to make the garage door Safety Reverse or Safety Stop can be adjusted. A low force value ensures maximum safety, but requires a very well sprung and installed door in order to avoid ghosting (false safety reversing or stopping). A high force value ensures that even a badly sprung or worn door will work without ghosting. The following details the correct force value set up and adjustment procedure.

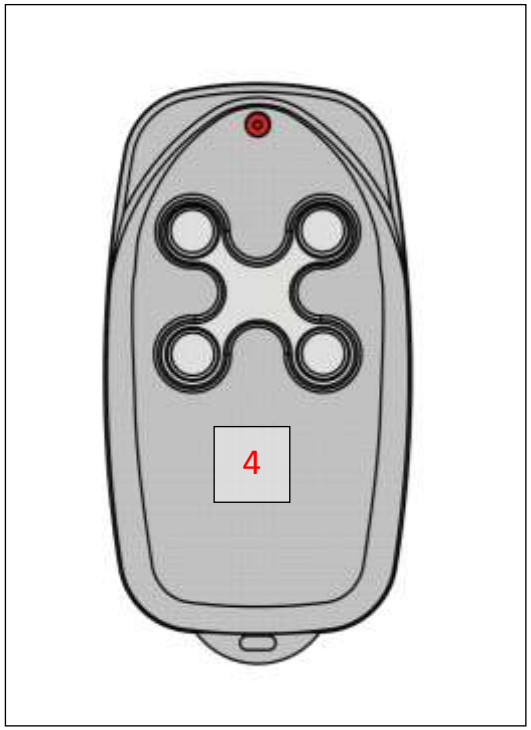
A MODE

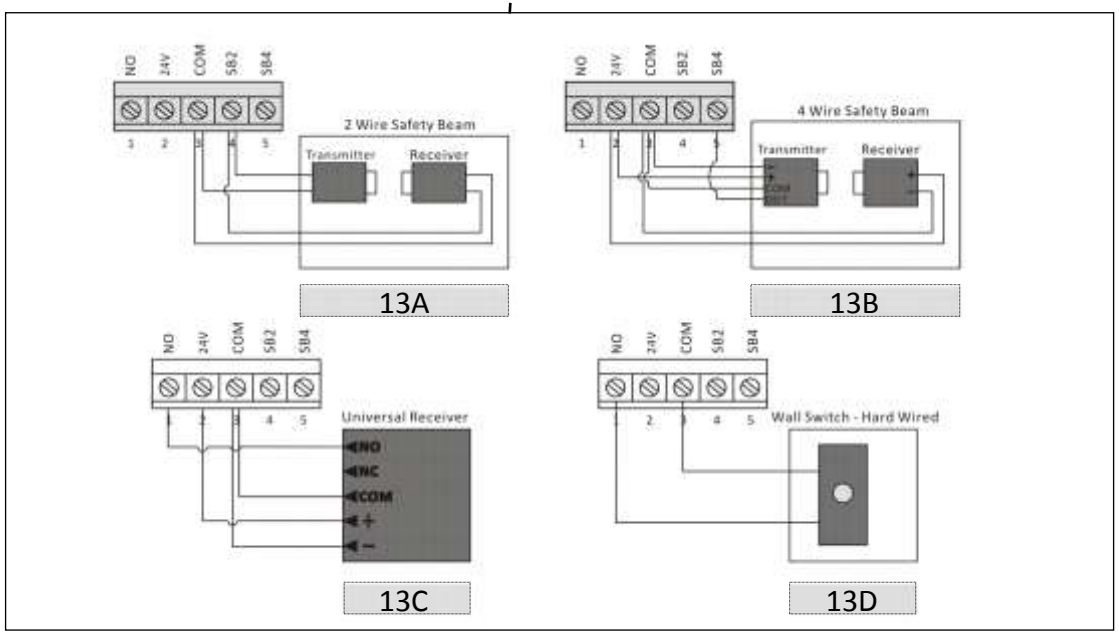
- **Description**
  The most sensitive system best suited for use on new well sprung doors - automatically compensates on each and every cycle for door wear ageing and seasonal temperature change for the lifetime of the door.
- **Function** – During a closing movement the Opener will stop and commence to Safety Reverse upon encountering an obstruction.
- **Enabling**
  Switch power off at power outlet.
  Remove the light cover.
  Select Dip 1 to "ON" position.
- **Learning**
  In order to Learn Safety Reverse and Safety Stop values the Opener will be required to complete 6 (transmitter or run button (3) initiated) uninterrupted open and close cycles. During the learning process the LED (1) will rapid blink. Once learning has been completed the LED will extinguish.
- **Adjustment**
  Rotate the green "Offset" Adjust Pin (4) in a clockwise direction (towards Max) to increase the amount of force required to make the garage door Safety Reverse or Safety Stop and in an anti clockwise direction (towards Min) to decrease the amount of Force required to make the garage door Safety Reverse or Safety Stop.
- **Testing Open Direction**
  During an open cycle apply some firm downward force to the garage door. If the Safety Stop value is correct the Opener will stop upon sensing the resistance. If too little or too much force is required to make the opener stop turn the green "Offset" Adjust Pin (4) 5 degrees in the appropriate direction – clockwise to increase the amount of force – anti clockwise (Min) to decrease the amount of force – and then repeat the test.
- **Testing Close Direction**
  Ensure that the garage door is resting firmly against the ground. Open the door and place a 35mm thick block of wood on the ground under the path of the door. Now close the door – if the drive force value is correct the opener will stop and reverse direction upon encountering the block of wood. If too little or too much force is required to make the opener reverse direction – turn the green "Offset" Adjust Pin (4) 5 degrees in the appropriate direction – clockwise (towards Max) to increase the amount of force – anti clockwise (towards MIN) to decrease the amount of force – and then repeat the test.
- **Forced Learn**
  May be initiated by holding down the red "Learn" Button (2) for 3 sec – LED Indicator (1) will begin to rapid blink. Cycle the opener through 6 complete uninterrupted strokes in order for it to complete the learning process. The LED Indicator will extinguish once learning has been completed.
- **Automatic Re-Learn**
  A re-learn of drive force parameters will be automatically initiated immediately subsequent to either one of the following 3 occurrences:
  a. Run time deviation becoming excessive.
  b. Safety reversing on 3 consecutive occasions.
  c. safety stopping on 3 consecutive occasions.
  During this re learn the LED indicator will rapid flash.

M MODE

- **Description**
  A less sensitive Safety Reverse system more suited for use suited for use on large, heavy or badly worn doors.
- **Function**
  Features conventional one time force adjustment. – during a closing movement the Opener will stop and commence to Safety Reverse upon encountering an obstruction.
- **Enabling**
  Switch power off at power outlet.
  Remove the light cover.
  Select Dip 1 to "OFF" position.
- **Adjustment**
  Press and hold down the red "Learn" Button (3) for 2 sec LED Indicator will commence a paused double blink. Force adjustment may be carried out while LED Indicator is "paused double blinking".
  Rotate the green "Open" adjust pin (4) to adjust open direction Safety Stop value
  Rotate the red "Close" adjust pin (5) to adjust close direction Safety Reverse value – clockwise to increase the amount of force and anti-clockwise to decrease the amount of force. To close out the adjustment mode momentarily press "Learn" (4) button or alternatively the mode will close out automatically after 10 min.
- **Testing**
  Follow the procedures outlined in **A Mode Testing**


A/M SB ACL DSM SS BJ PR
1 2 3 4 5 6 7
CLOSE
OPEN
3
Run
Learn
2
LED
1
5
Close/Speed
4
Open/Offset
7
Light Bulb
6
10,11,12,13


4


NO 24V COM SB2 SB4
2 Wire Safety Beam
Transmitter
Receiver
13A
4 Wire Safety Beam
13B
Universal Receiver
NO
NC
COM
13C
Wall Switch - Hard Wired
13D