

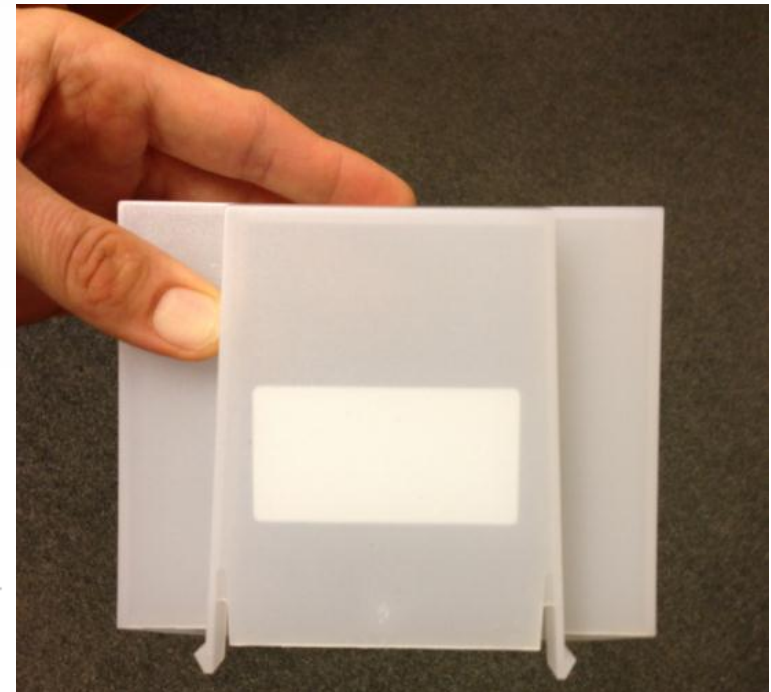
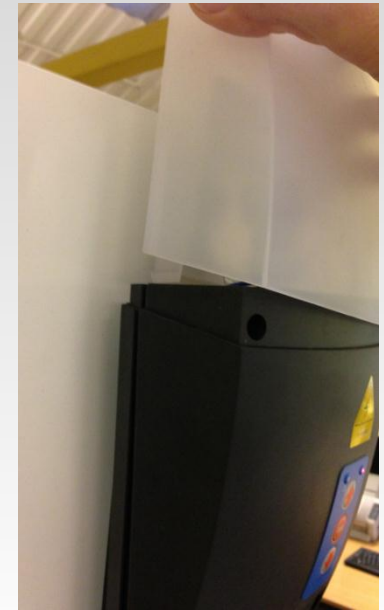


# Practical fitting exercise



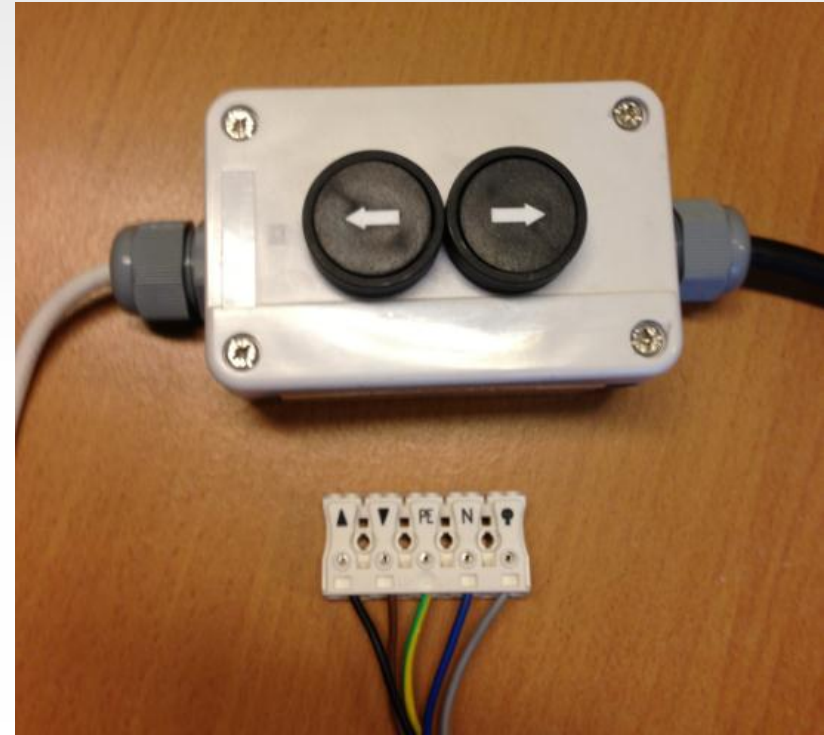
# Removing the light cover

- The light cover has two notches to ensure a tight fit, essential to protect the user from 240 volts
- Action
- Use both hands to push in the notched plastic on the left and right of the light
- Lift upwards NOT towards you
- Remove the grey cover and the ribbon cable

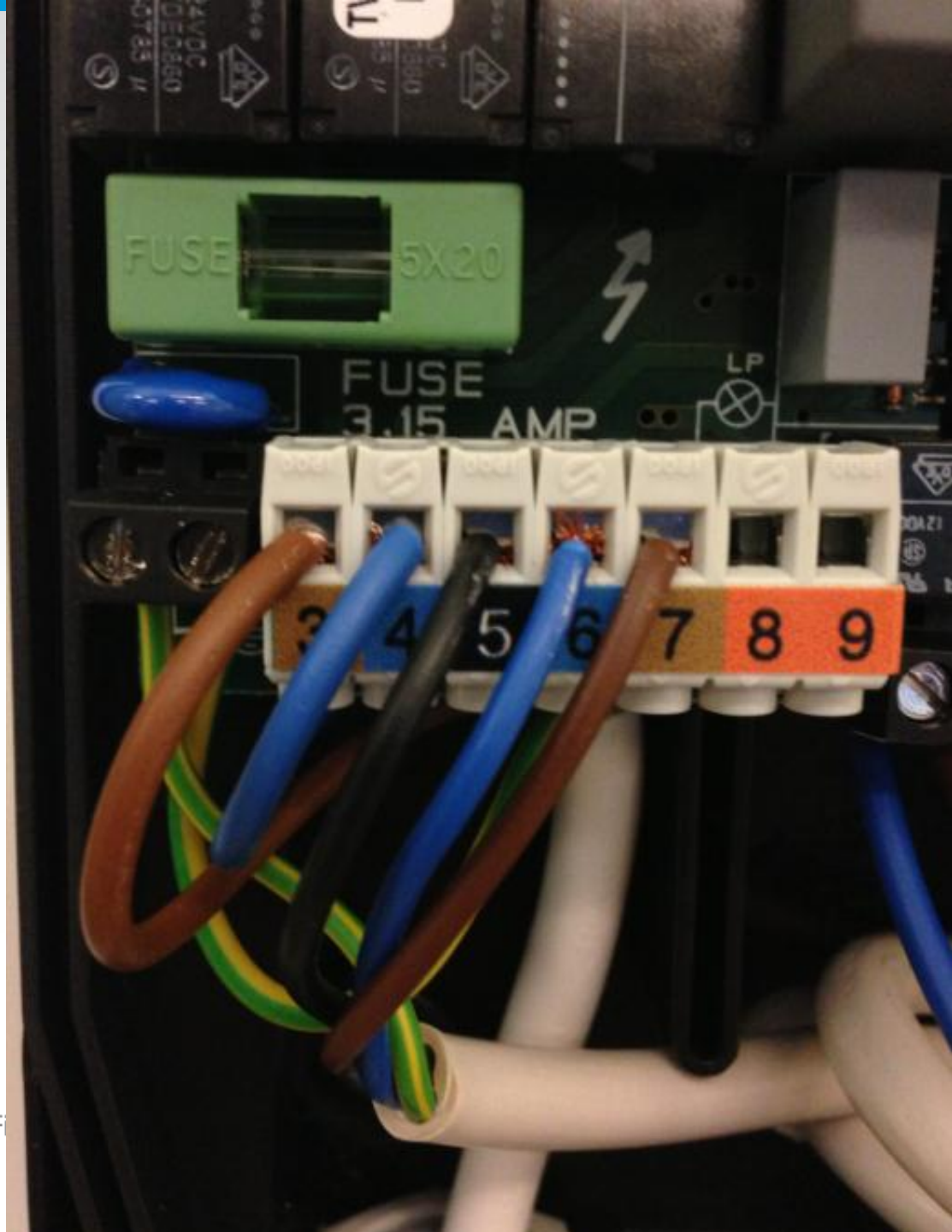


# Setting limits

- Using a test lead is best practice
- Safer
- Direct control of motor via one button
- More immediate feedback
- Action
- Connect motor test lead to motor cable
- Use test lead to set tension
- Set limits
- First operation is always up



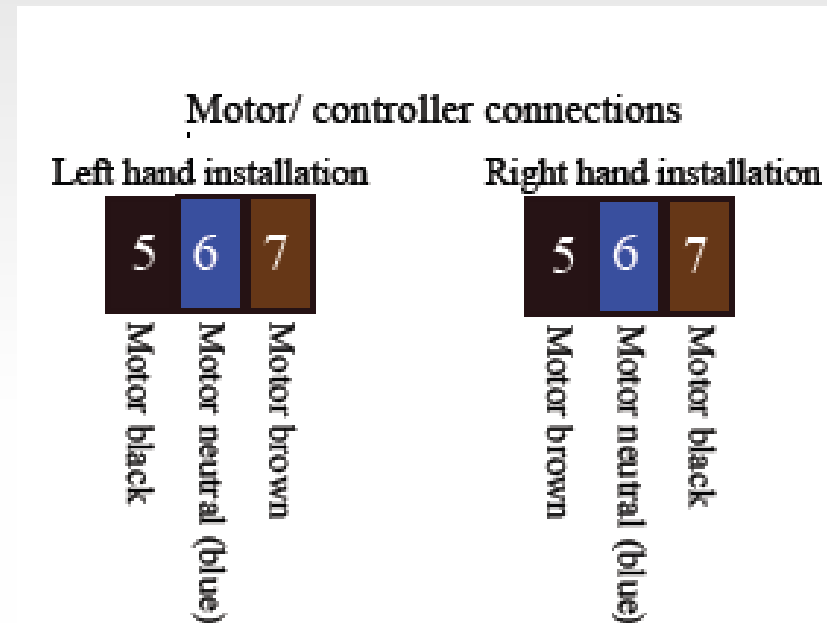
# Powering the board up



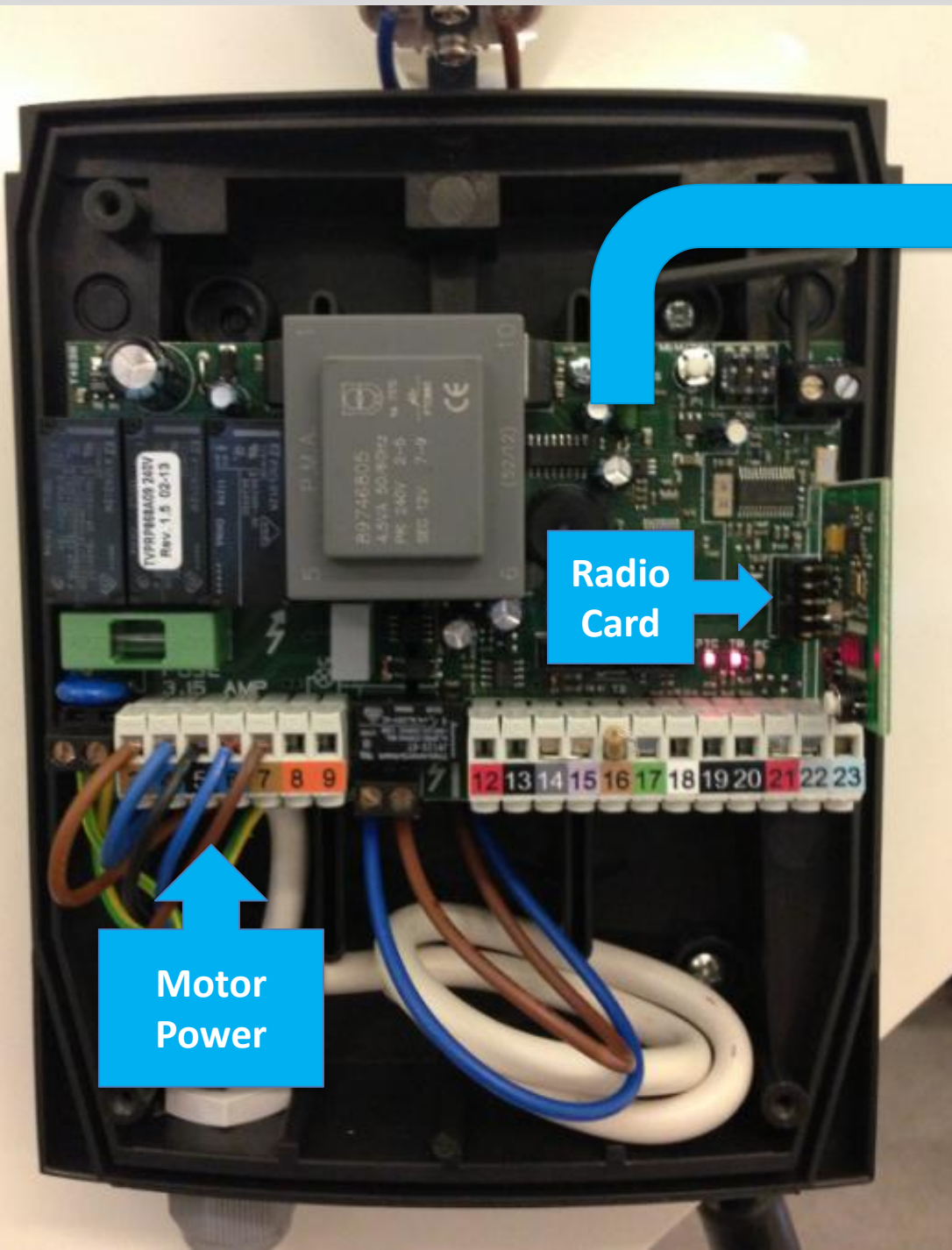
# Powering the board up

## Action

- Remove cable from test lead and switch the power on
- If the motor is traveling in the wrong direction - **Black** and **Brown** swap them round !

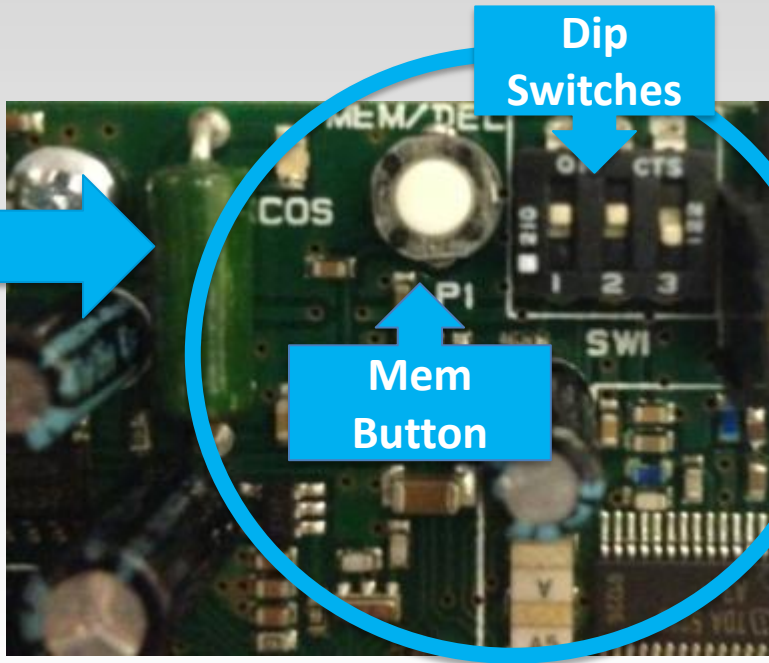






Motor Power

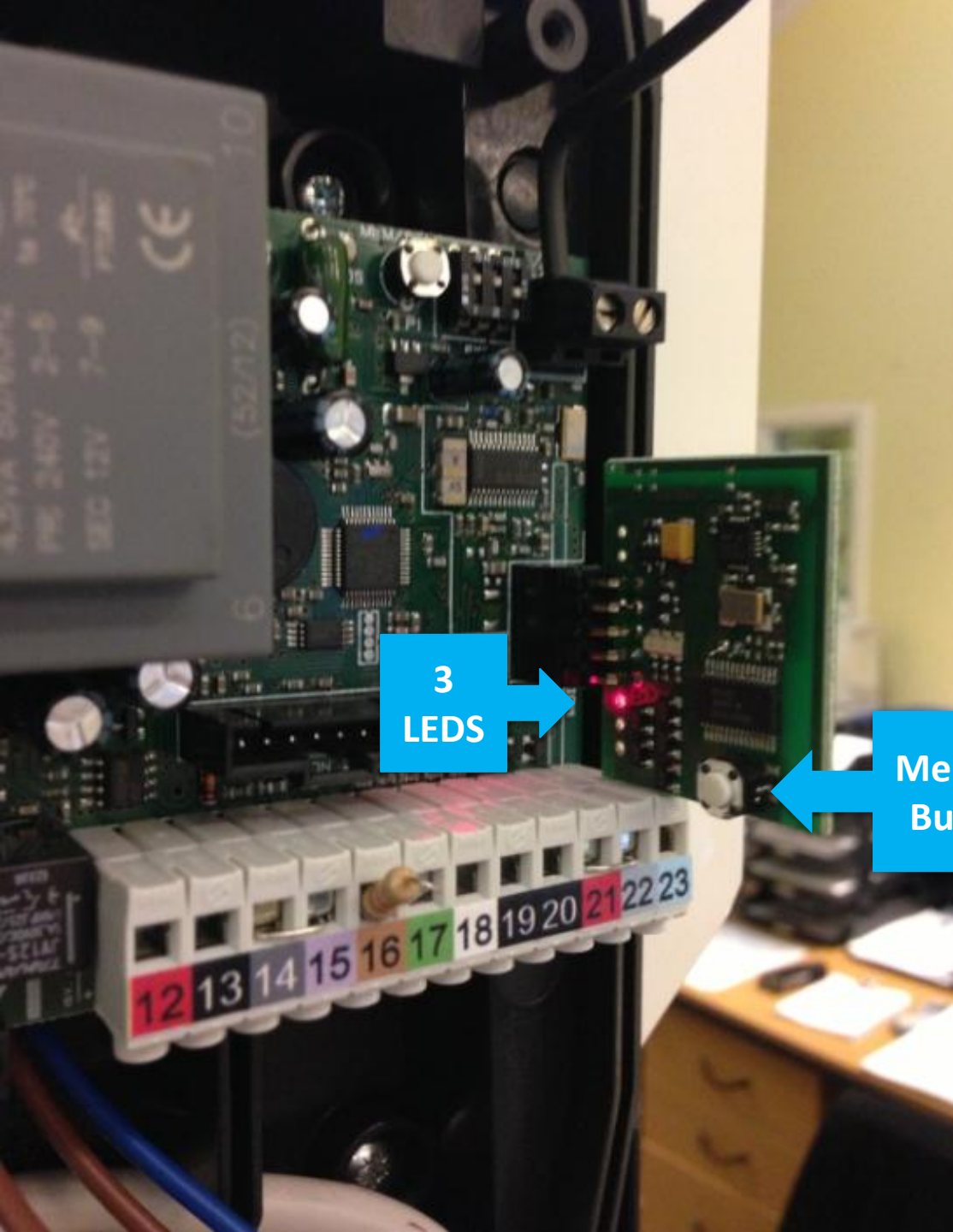
Radio Card



Mem Button

Dip Switches

Knowing your way around the Receiver



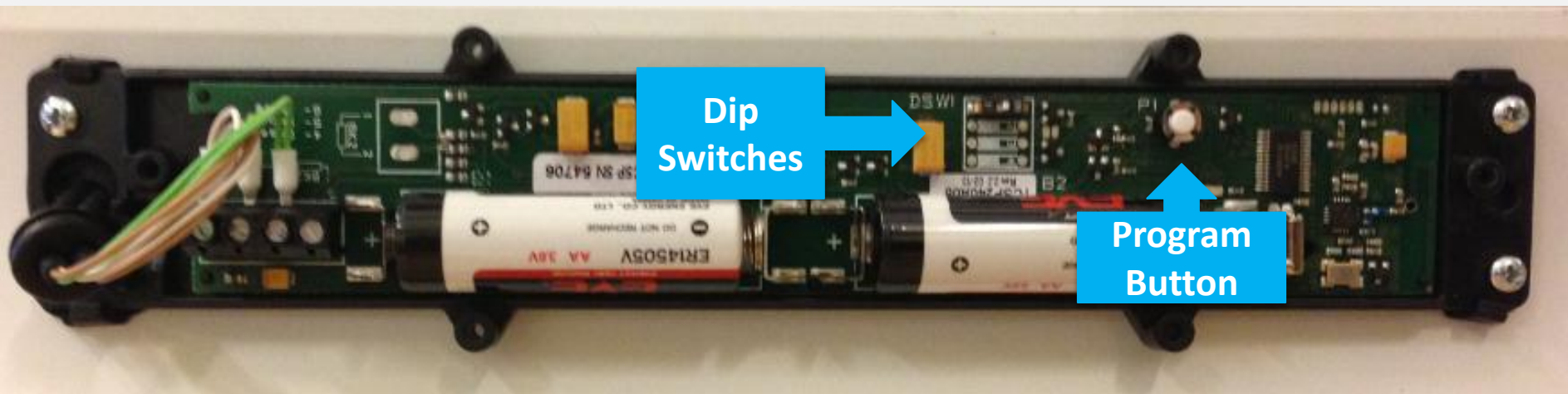
# Radio card

3  
LEDS

Memory  
Button

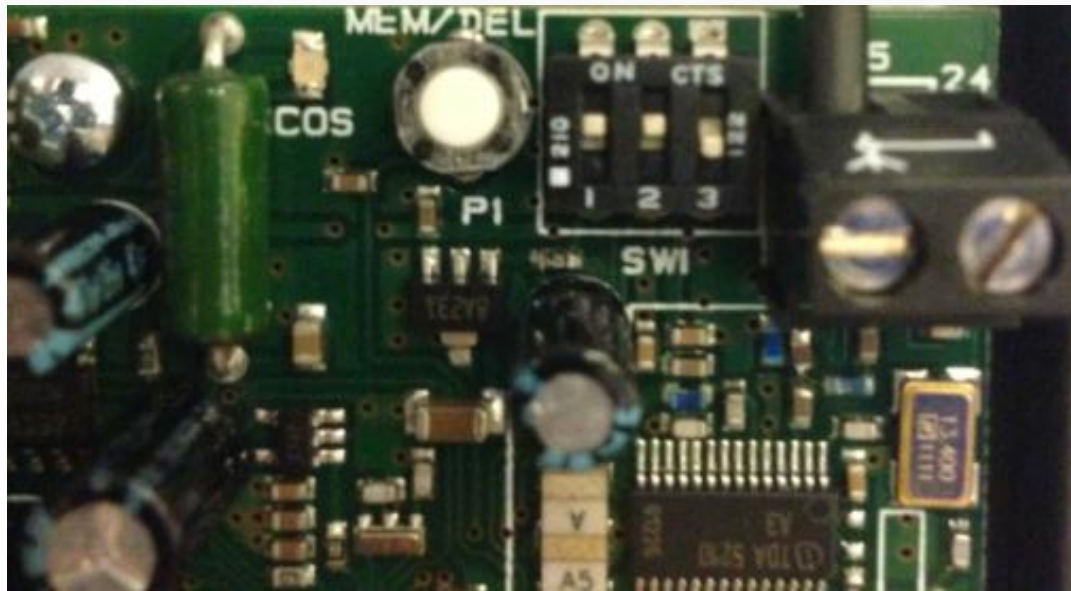


# Bottom Slat Transmitter



# Dipswitches on receiver

- The receiver has three dip switches
- Dip switch 1 and 2 should always be on (in the up position)
- Dip switch 3 is user settable (auto return time on/off)

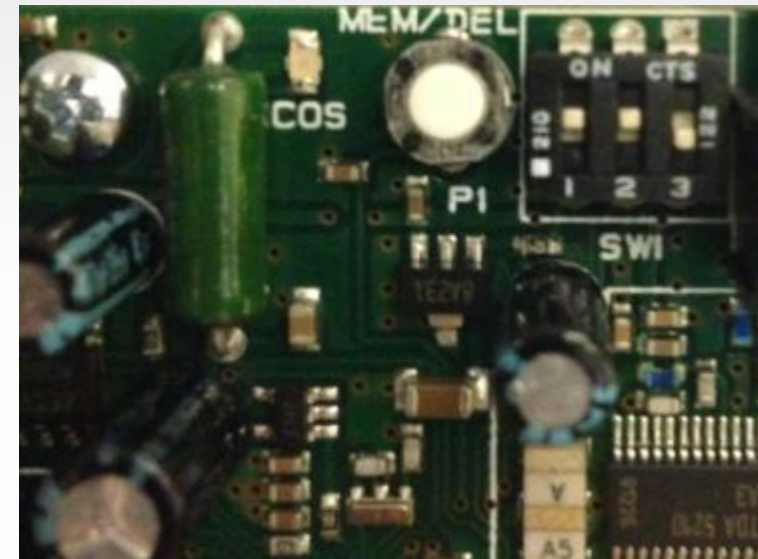


# Dipswitches on receiver

- Dip switch 1
- **On** = wireless edge
- **Off** = wired edge
- Important
- Switch power off to unit *before* moving dipswitches to required position
- Press and hold the “Mem” button for **5** seconds to confirm the setting

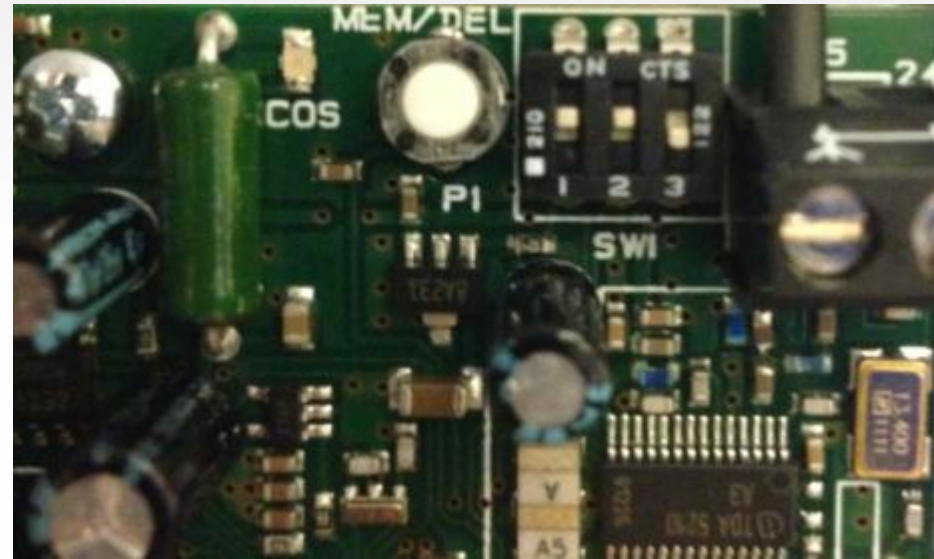
## Verification

- **6 beeps** = programmed for wired edge
- **7 beeps** = programmed for wireless



# Dipswitches on receiver

- Dip switch 2
  - **On** = Impulse operation
  - **Off** = Deadman operation
- Dip switch 3
  - **On** = Autoclose activated
  - **Off** = Autoclose deactivated



# Dipswitches on Bottom slat transmitter

- Only 1 dipswitch which should ALWAYS be on
- Dip switch 1
- **On** = wireless edge on
- **Off** = used for a different safety edge system





So.....

Board has power !

Limits have been set!

Now what?

- 2 very simple tasks!
- Pair the bottom slat transmitter to the receiver
- Code in your transmitters

# Pairing the bottom slat transmitter

## Action

- Press “P” button on radio card for 2 seconds
- Press “P” button on bottom slat transmitter for 2 seconds

## Verification

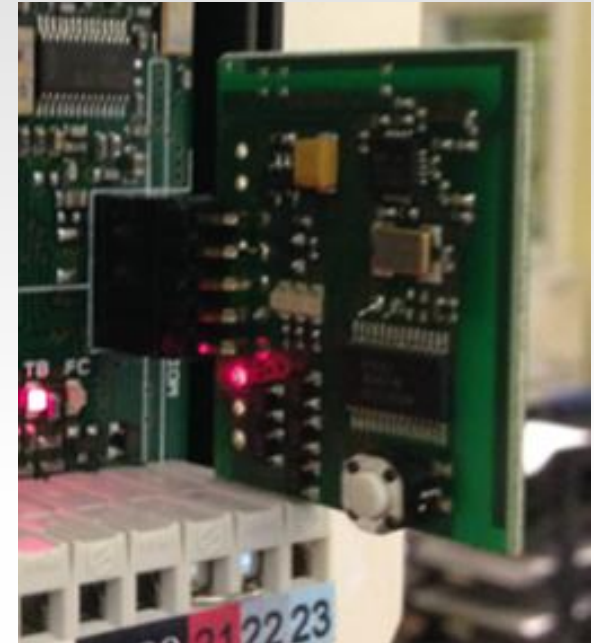
- middle light on radio card will flash

## To check if its paired

Press and hold the “P” button on bottom slat transmitter

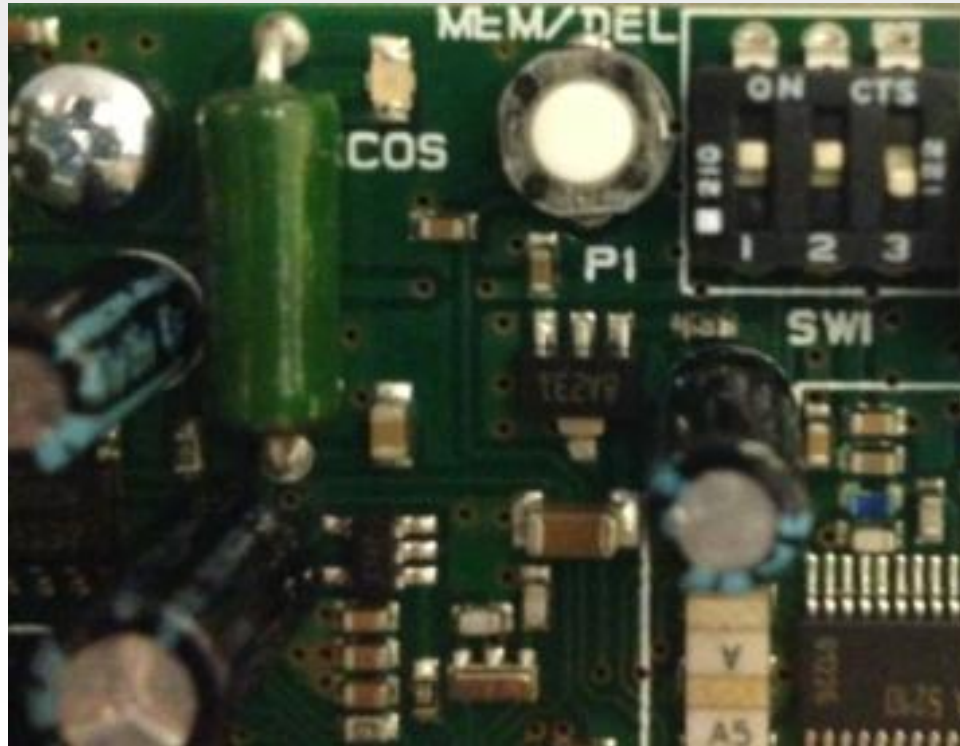
Solid red LED on the BST = Paired

Flashing LED on the BST = Not paired



# Your new best friend..... The “Mem” Button !

- Mem button is used to add and delete transmitters and accessories
- 5 different modes



# Your new best friend.....

## The “Mem” Button !

- Mode 1 - **1 press** = Up/stop/Down
- Mode 2 - **2 presses** = Up on one channel/Down on another channel
- Mode 3 - **3 Presses** = Toggle lights on and off
- Mode 4 - **4 presses** = deleting a single channel
- Mode 5 - **5 presses** = deleting all channels

# Transmitters

- Transmitters can operate the door in two ways

Either

- Up/stop/down all on the same button

Or

- Up on one button and down on another (there is no stop channel)

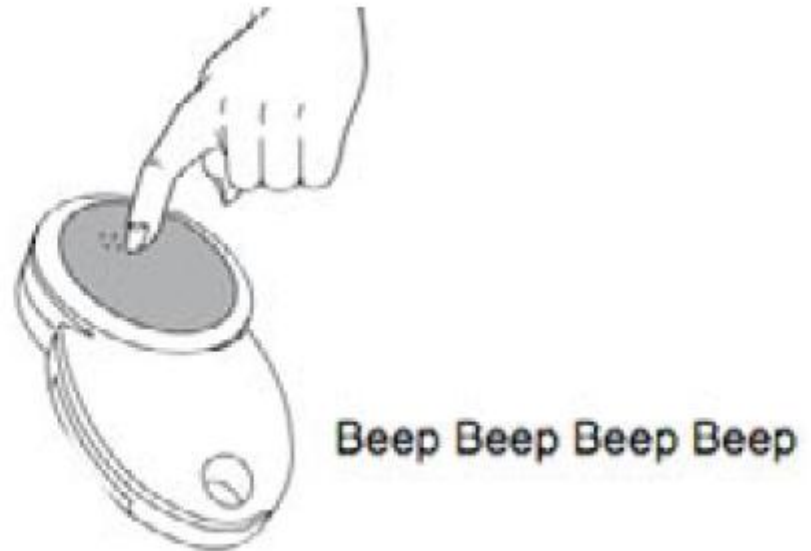
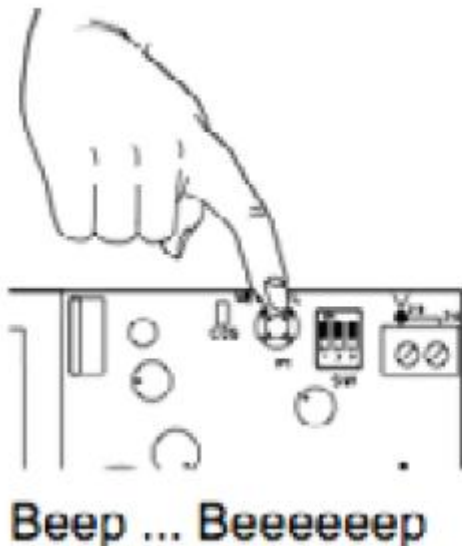


# Adding a transmitter

- Mode 1 - Up/stop/down

## Action

- Press “P” button on receiver once and hold (long beep)
- Press button on transmitter (short beeps)

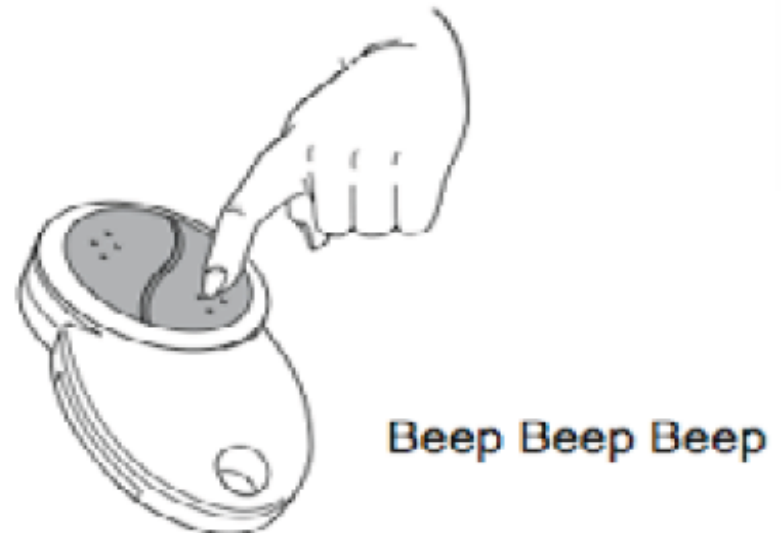
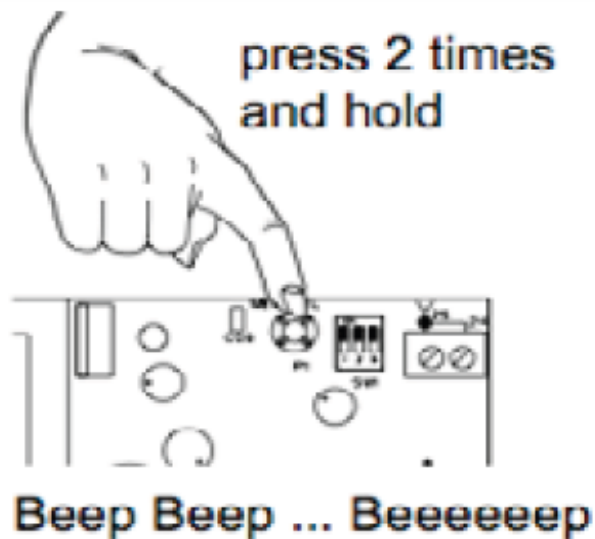


# Adding a transmitter

- Mode 2 - Up on one channel/Down on another channel

## Action

- Press “P” button on receiver twice and hold on the second press (long beep)
- Press button on transmitter (short beeps)

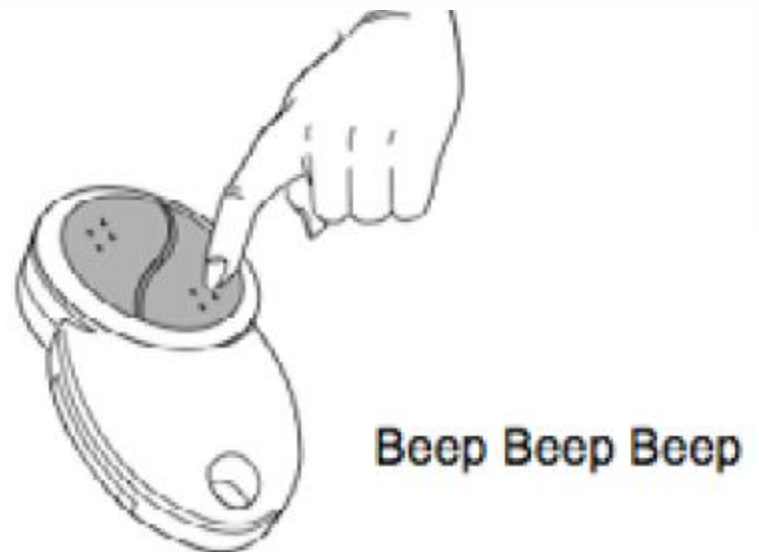
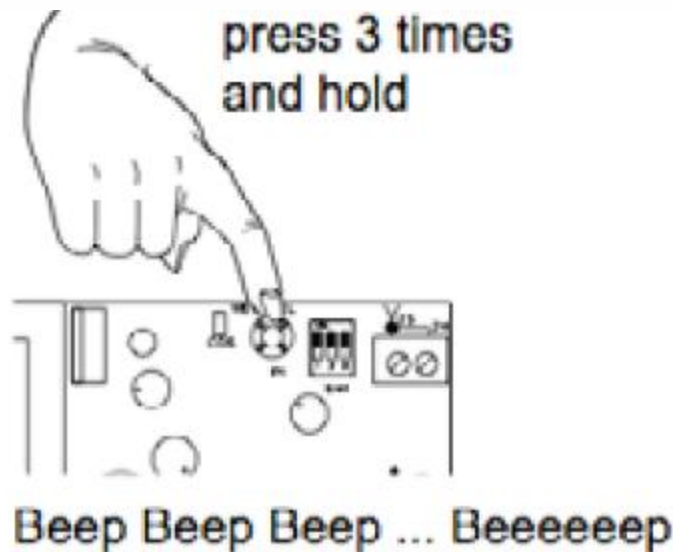


# Programming the light

- Mode 3 – Toggle light on and off

## Action

- Press “P” button on receiver Three times and hold on the third press
- Press button on transmitter

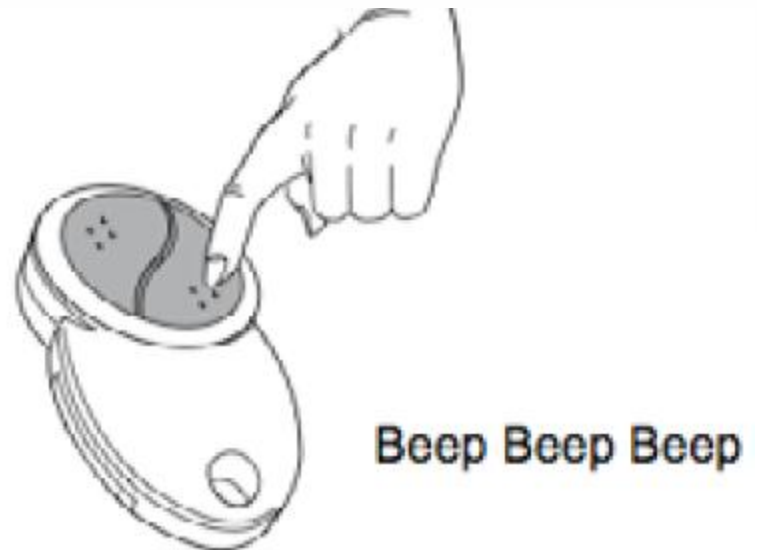
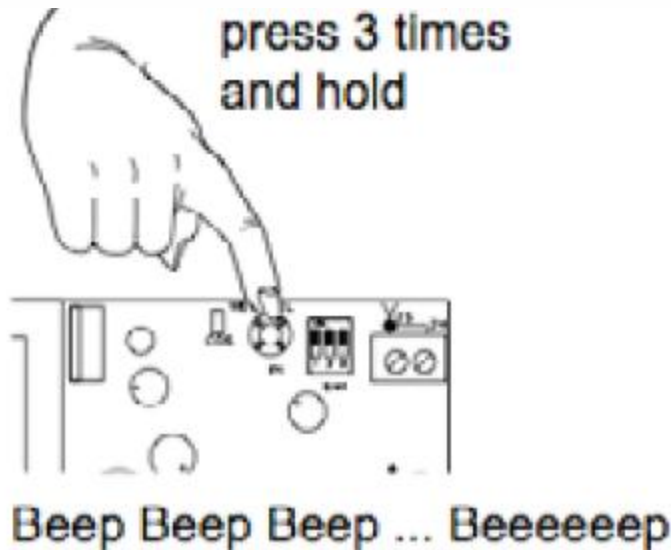


# Deleting a channel

- Mode 4 – Delete a single channel

## Action

- Press “P” button on receiver four times and hold on the fourth press (three beeps)
- Press relevant button on transmitter to delete that channel (long beep)

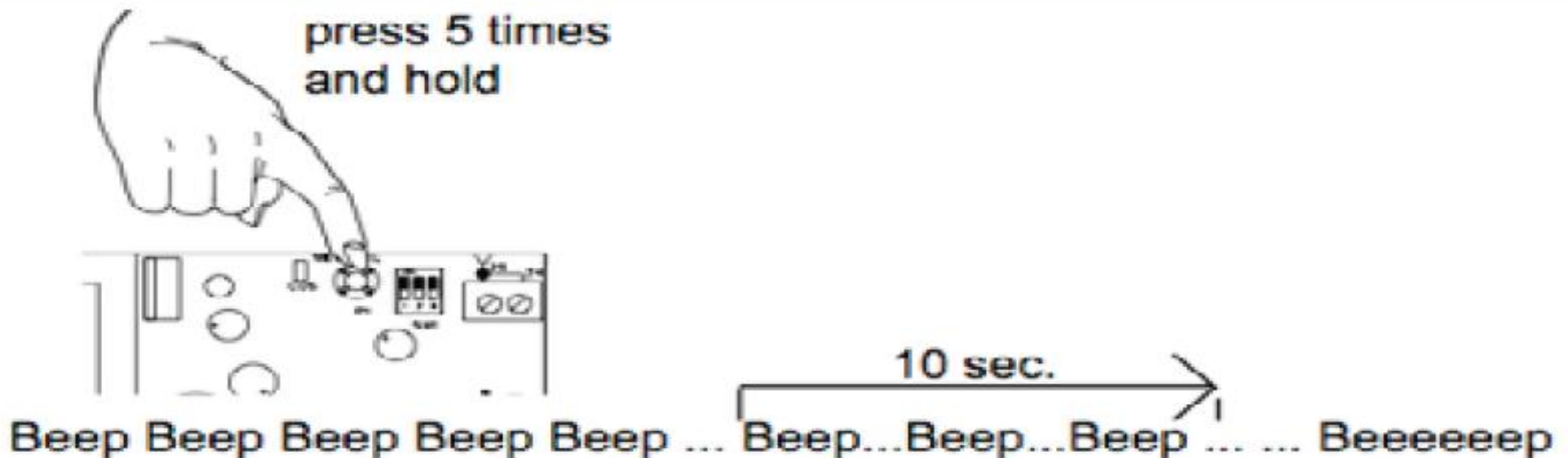


# Deleting all channels

- Mode 5 – Delete a single channel

## Action

- Press “P” button on receiver five times and hold on the fifth press (short beeps for 8 seconds long beep for 2 seconds)
- Release your finger after the long solid beep stops (aprox 10 secs)

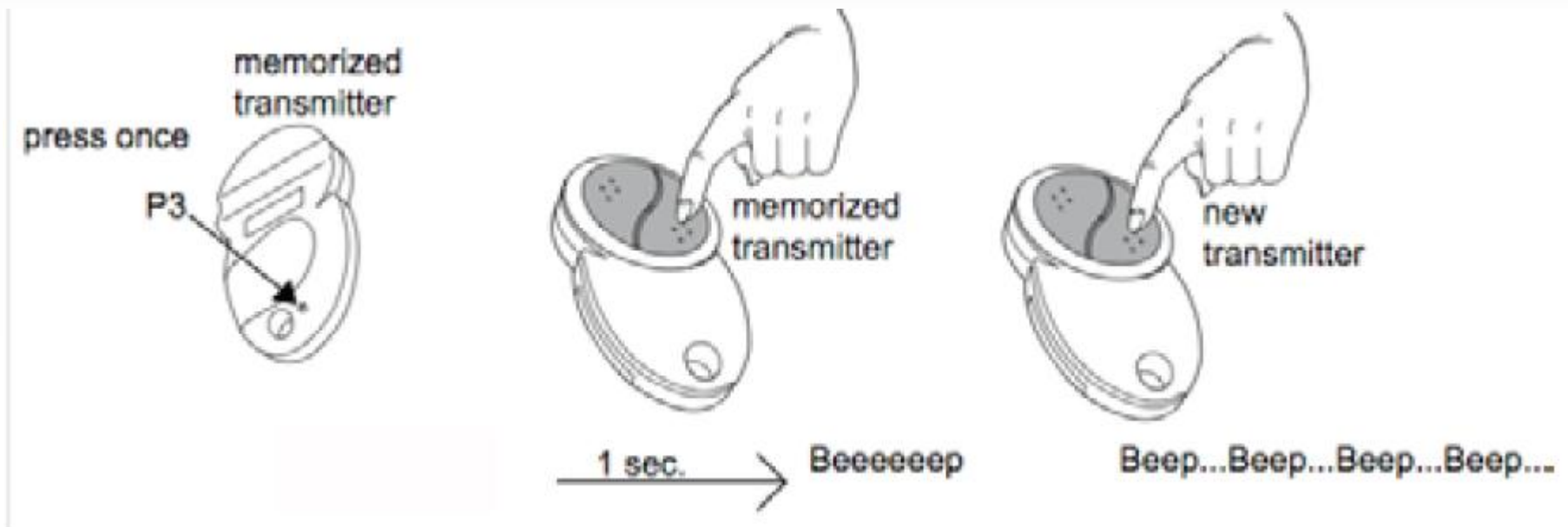




# Programing one remote from another

## Action

- Press the back of the transmitter "P3" with a paperclip once, then release (long beep)
- Then press the channel on the front of the same transmitter (long beep)
- Now press a button on your new and unused transmitter (short beeps)

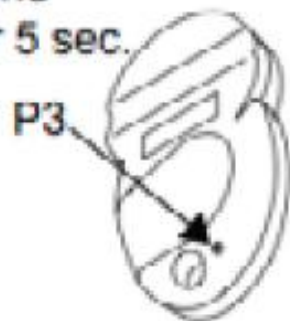


# Programing Autoclose

## Action

- Put Dip switch **3** on
- Switch the power off and back on again
- Within **30** seconds start the following sequence
- Press and hold the “P3” button on the back of the transmitter until it beeps
- Now press it **8** times in quick succession (8 short beeps one on each press)
- Wait for **2** beeps
- Press “P3” again to start the timer (single beep)
- Wait your required time (min 5 secs, max 90 sec)
- Press “P3” to stop the timer (single beep)
- Note : The door needs to be fully open in order to autoclose

press and hold for 5 sec.



press 8 times



5 sec.

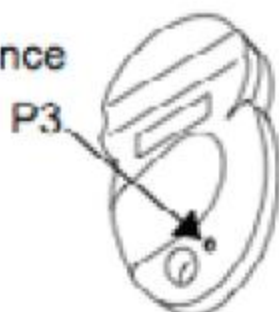
Beep



wait 5 sec.

Beep 1 Beep 2

press once

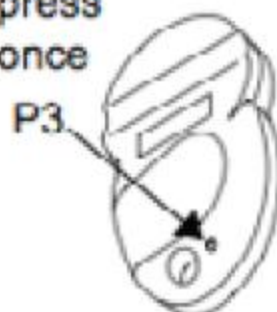


start time count

Beep



press once



Stop and memorize the time

Beep

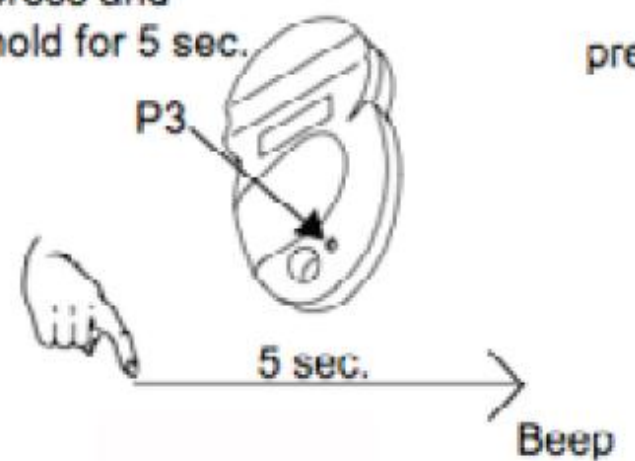


# Programing light timer

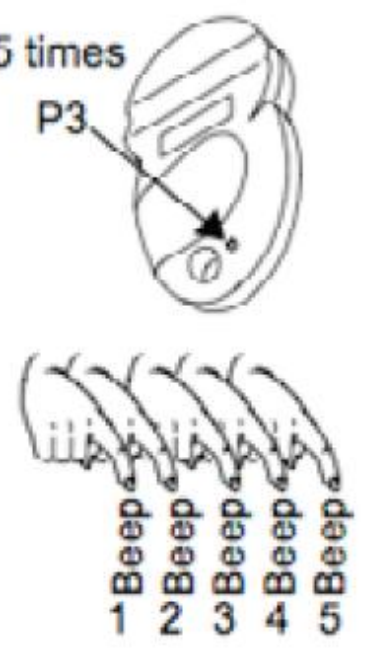
## Action

- Switch the power off and back on again
- Within **30** seconds start the following sequence
- Press and hold the “P3” button on the back of the transmitter until it beeps
- Now press it **5** times in quick succession (5 short beeps, one on each press)
- Wait for **3** beeps
- Press “P3” again to start the timer (single beep)
- Wait your required time (min 60secs, max 12 hrs)
- Press “P3” to stop the timer (light switches off)

press and hold for 5 sec.



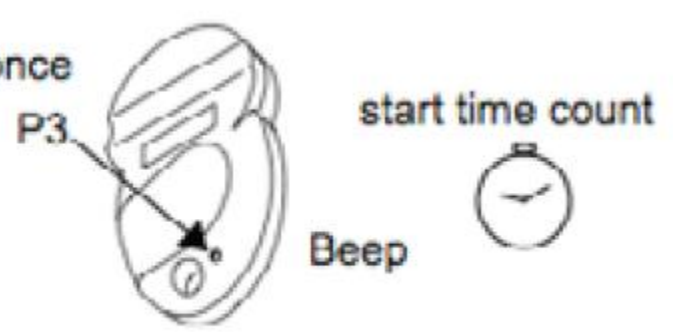
press 5 times



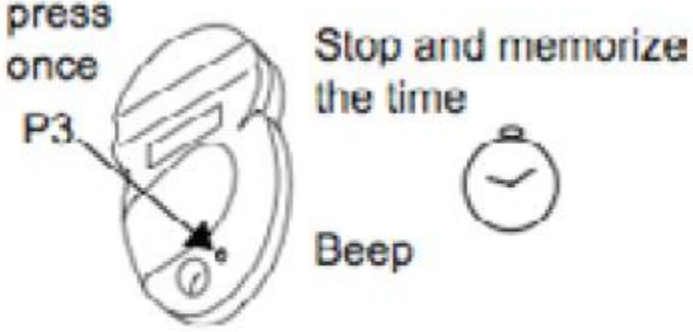
wait 5 sec.



press once

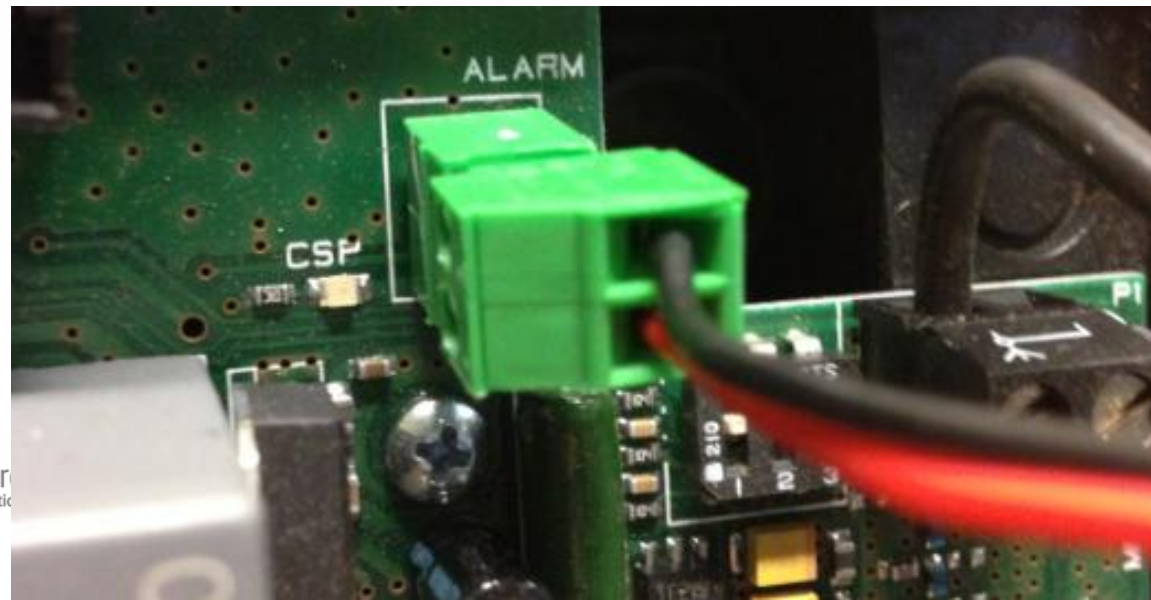
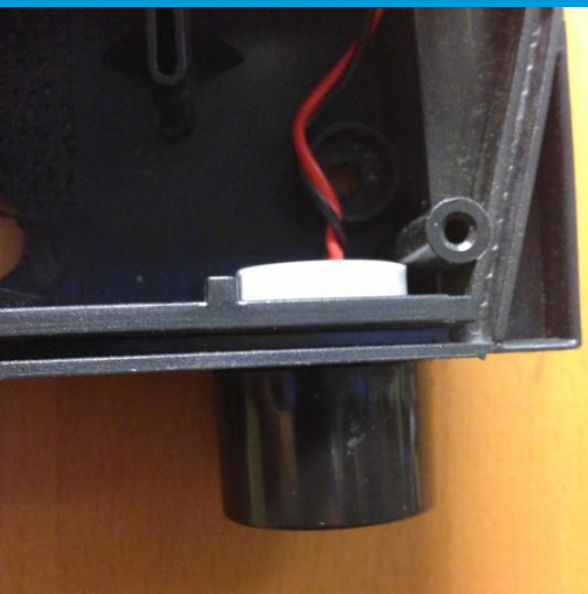


press once



# Alarm

- The receiver will come pre wired as shown





# Alarm

- Screw the sensor into the bottom slat on the opposite side to the bottom slat transmitter, not the centre of the door.





# Toggle light/alarm

## Note

- Mode 3 sets either the alarm or the light

## Action

- Switch the power off and back on again
- Within **30** seconds start the following sequence
- Press and hold the “P3” button on the back of the transmitter until it beeps
- Now press it **3** times in quick succession (3 single beeps one on each press)
- Wait for **5** seconds
- Listen to the beeps (3 = light is active/5 = alarm is active)

# Programming wall transmitter

## Note

- A wall transmitter is nothing more than a fancy looking transmitter

## Action

- Press and hold the “Mem” button on the receiver with either one press or two depending how you want your switch to operate, then press the top button on the wall transmitter

## Note

- The wall transmitter can be used to operate the door in up/stop/down or up on one button and down on another.
- The lights can also be operated on the wall transmitter

**\*Practical demonstration\***

# Programming keypad

## Note

- The keypad operates off a 5 digit code
- Factory code is 12345
- To operate the door press the code and then number 1

## Action

- To program the keypad to the door.....
- Enter the factory code **12345**
- Press and hold the “Mem” button on the receiver
- Press **1** on the keypad (series of short beeps)
- To program the light, press the “Mem” button three times then press the “B” button on the keypad

# Changing keypad code

## Note

- The keypad operates off a 5 digit code
- Factory code is 12345

## Action

- Remove the back cover
- Enter the factory code **12345**
- Press the white button on the back of the keypad
- Enter your new 5 digit code
- Re enter your 5 digit code

# Programming two doors/multichannel

## Note

- All receivers and remotes are multichannel by default

## Action

- Press the “Mem” button on door A, press the relevant button on the transmitter
- Press the “Mem” button on door B, press a different button on the same the transmitter

\*Practical demonstration\*

# Troubleshooting

- 1 beep - Bottom slat transmitter is too far away from the receiver
- 2 beeps - Check that the motor is connected
  - Check that the wiring is correct
  - Check that both limits have been set
- 3 beeps - Check that link between terminal 14/15 is secure
  - Check the FTC LED is lit
  - Error on FTC input (FTC is activated)

# Troubleshooting

- 4 beeps
  - Check that the resistor in terminal 16/17 is secure/undamaged
  - Is the bottom slat transmitter (BST) correctly wired
  - Make sure the batteries in the BST are located correctly
  - Check that all ten pins on the radio card are correctly located
  - Check the optical eye cables for damage
  - Check dip switch 1 on BST and in receiver are both set to on
- 5 beeps
  - Is the bottom slat transmitter (BST) correctly wired
  - Make sure the batteries in the BST are located correctly
  - Check dip switch 1 on BST and in receiver are both set to on
  - Look for damage to the cables as they enter the BST housing



# Troubleshooting

- A series of short rapid beeps – Bottom slat transmitter batteries are going flat
- No beeps and door is unresponsive – check link is present between terminals 21 and 22
- COS light is on (on the left of the MEM button) – Resistor is loose or faulty

# Changing the optical eyes

## Note

- You may need to do this if the eyes have a fault or if the bottom slat rubber has pulled out of the bottom slat
  
- \*Practical demonstration\*