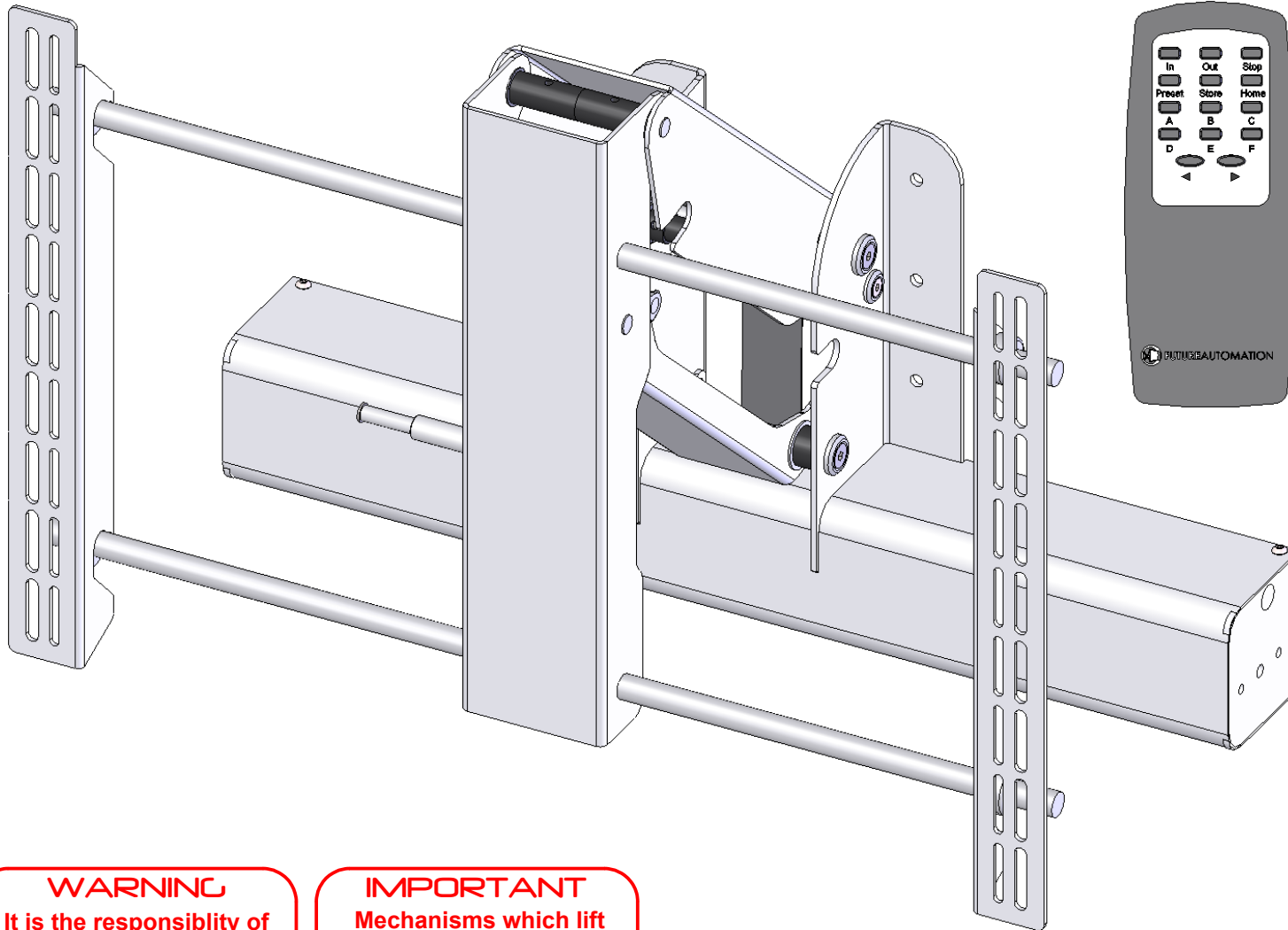




1 IR Remote Control



FUNCTION

A remote controlled mechanism that will advance and drop a screen while keeping it parallel to the wall.

SUITABILITY

SPECIFYING

The wall the mechanism is to be fixed to must be completely vertical.

CONTROL

Supplied with basic infrared remote. Can be learnt by many learning remotes.

Also has switch control so can be operated by relays, switches, Crestron/AMX or Lutron systems.

WARNING

It is the responsibility of the installer to warn all potential end users of the dangers of interfering with mechanisms during operation

IMPORTANT

Mechanisms which lift or move weights need to be checked on a yearly basis for any damage which may result in an accident





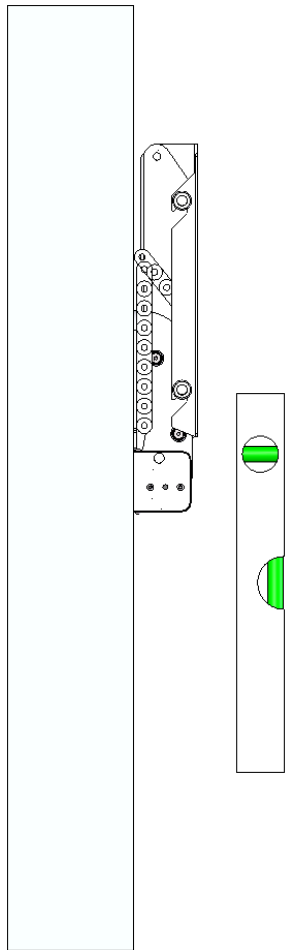
Fixing to Wall

Always use appropriate fixing types.

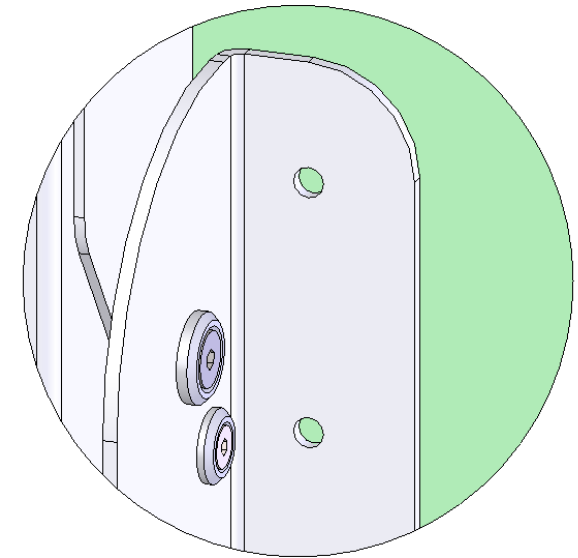
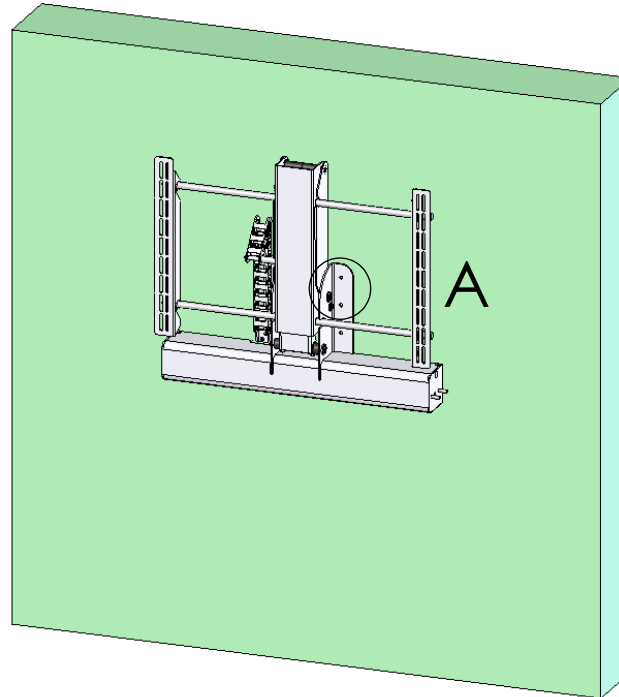
Suitability of wall fixings will depend on the type of wall the product is to be fixed to.

If unsure, please seek instruction from your supplying dealer.

Fitting The Mechanism To The Wall



The EAD must be completely vertical. Make sure with the use of a spirit level that the wall behind is vertical. If it is not, you will have to use washers / spacers behind the wall plates in order to make the mechanism completely vertical.

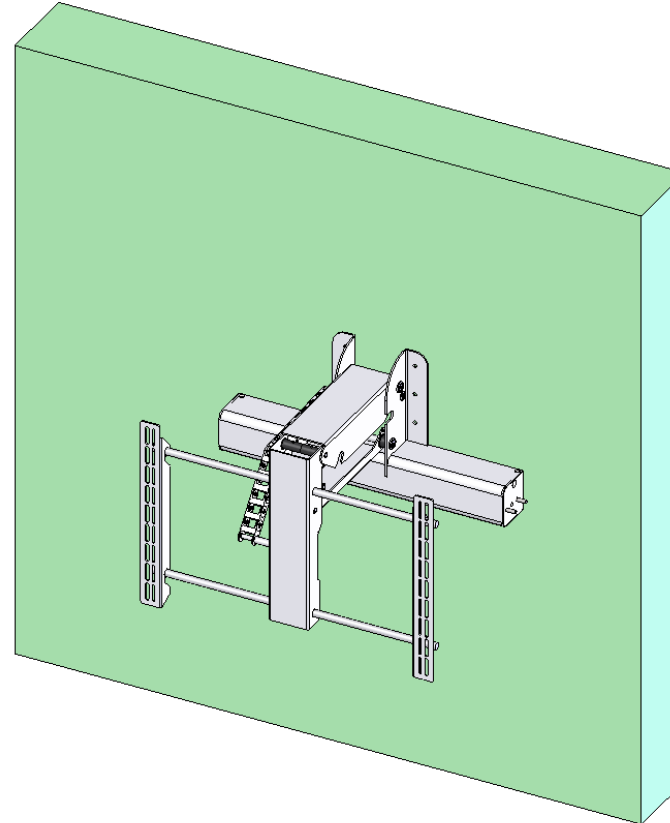
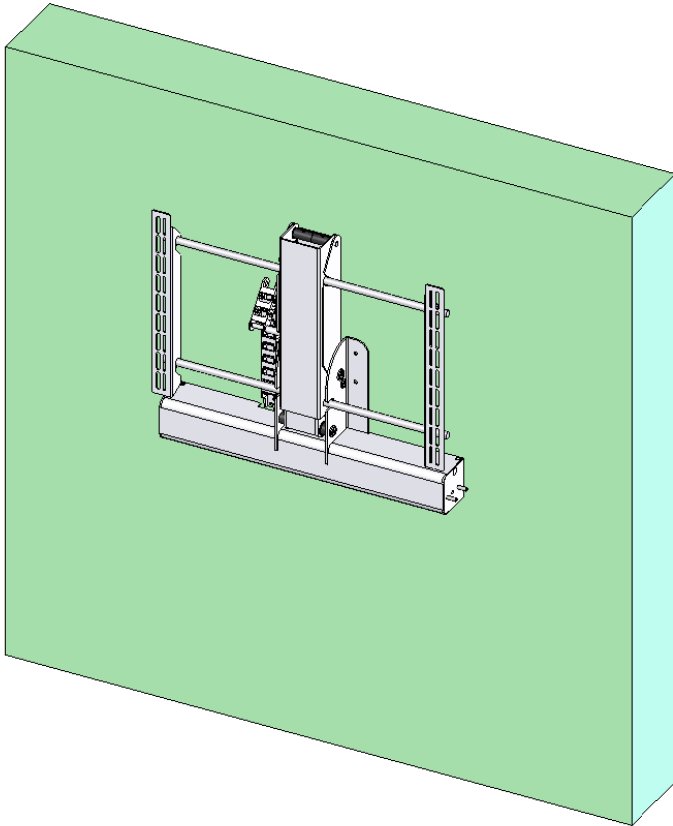


DETAIL A





Checking The Mechanism



Make sure the mechanism
CANNOT stay in this position
without motor power or assistance.

Movement

Once fixed to the wall, make sure the mechanism moves freely and with ease.

Be sure that the mechanism cannot sit back against the wall by itself.

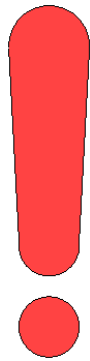
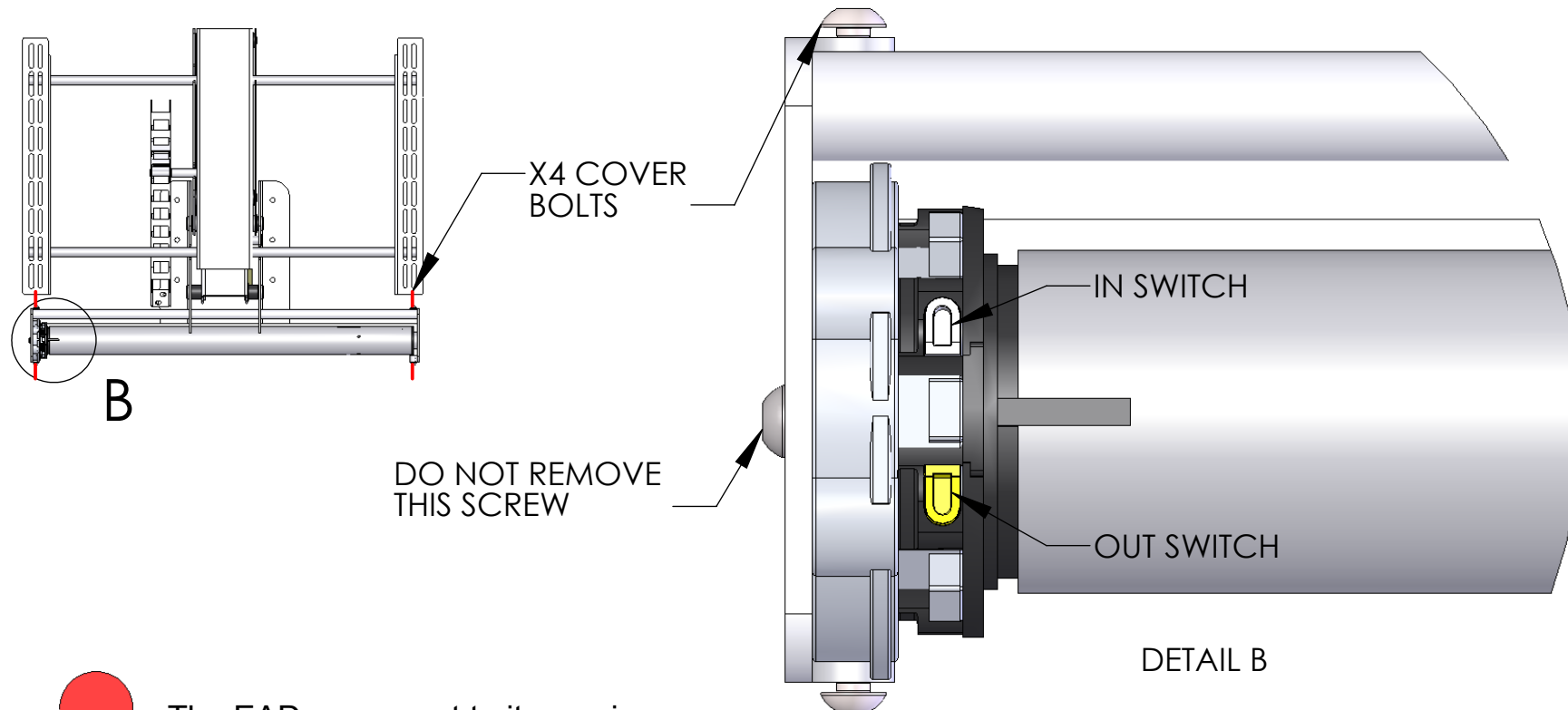
The mechanism operates by unwinding a long strap system within the casing.

If the mechanism is leaning back a lot, the mechanism may fail to release from the wall properly.





Adjusting Mechanism Limits



The EAD comes set to its maximum drop. Do not try to adjust it past its factory setting.

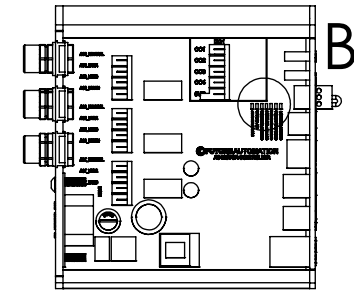
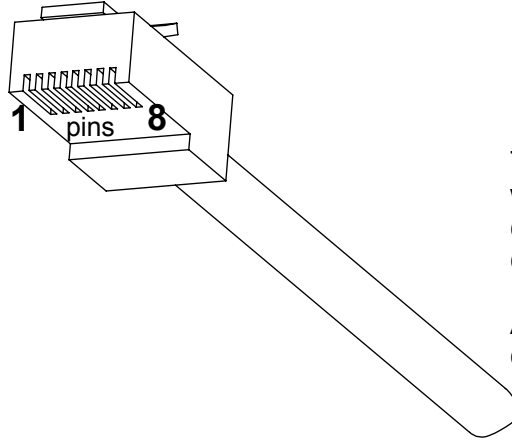
When the buttons are clicked out they are set. To adjust the positions push the buttons so they are clicked in, use the remote to get mechanism in the new positions. Press stop on the remote in the desired position and set by pressing the corresponding motor switch so it clicks out. The new position is now set.





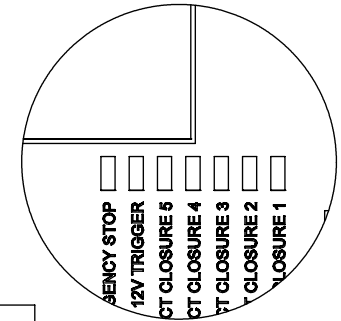
Contact Closure

Use an RJ45 connector in the CC1 socket on the control box to operate via contact closure.



There are a number of LEDs which will light up when the corresponding contact closure connections are shorted together.

A red LED will light up when the emergency stop link is removed.



DETAIL B

PIN	568 A	568 B	DESCRIPTION	ACTION
1	W/G	W/O	12V SUPPLY CURRENT LIMITED	
2	G	O	12V LATCH	When 12V is attached, device will go OUT. When 12V is removed, device will go IN.
3	W/O	W/G	GROUND	
4	BL	BL		
5	W/BL	W/BL	DEVICE IN LATCHED	When shorted to ground, device will go OUT. When short removed, device will go IN. CC4
6	O	G	DEVICE STOP	When shorted to ground, stops device in current position. CC3
7	W/BR	W/BR	DEVICE OUT	Momentary short to ground will make device go OUT. CC2
8	BR	BR	DEVICE IN	Momentary short to ground will make device go IN. CC1





RS232

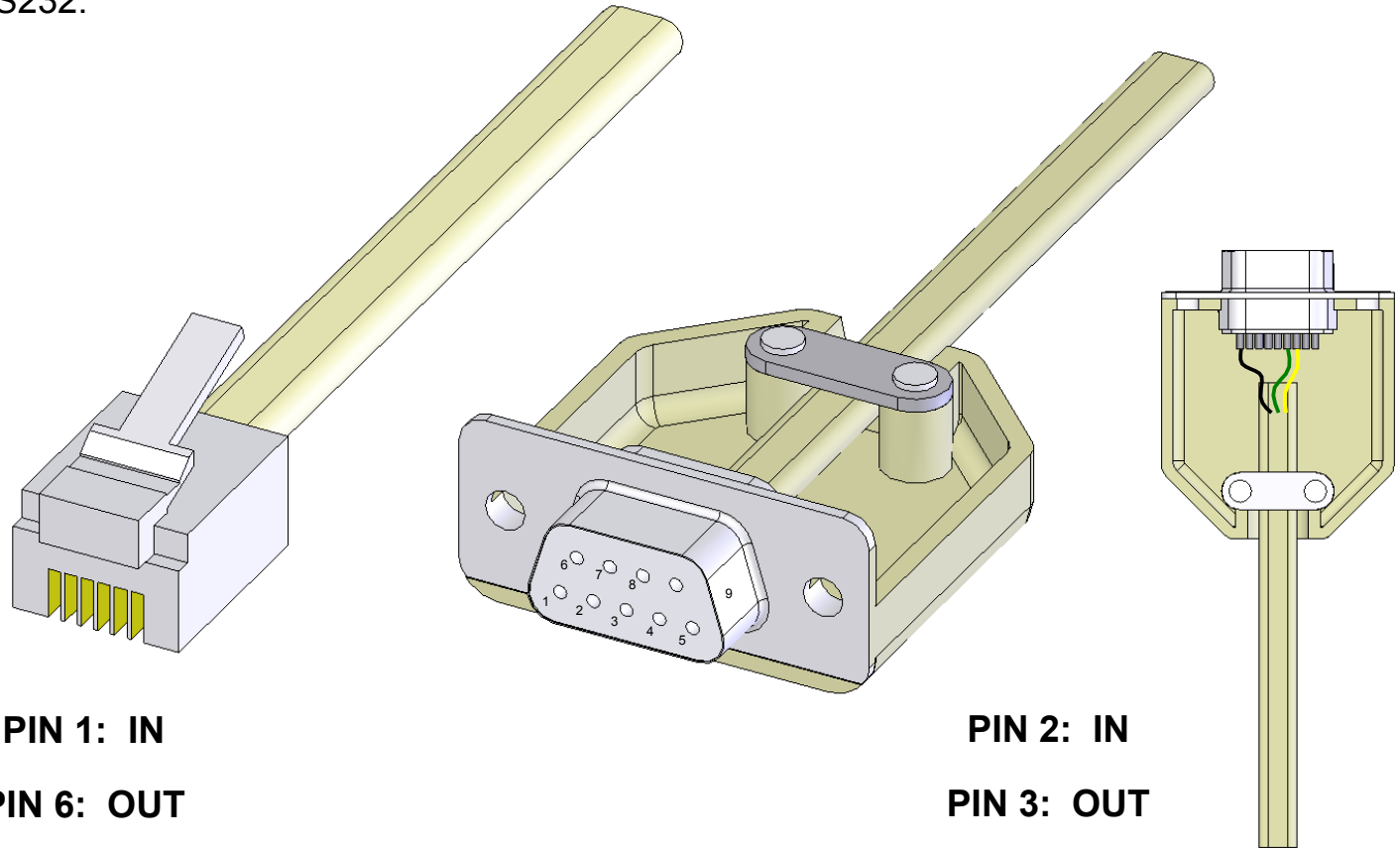
Use an RJ11 connector in the socket marked RS232 on the control box to operate using RS232.

DETAILS

Band rate: 9600
Stop bit: 1
Parity: None
Databits: 8

PROTOCOL

ASCII
fa_in ← = Device IN
fa_out ← = Device OUT
fa_stop ← = Device STOP
← = Carriage Return



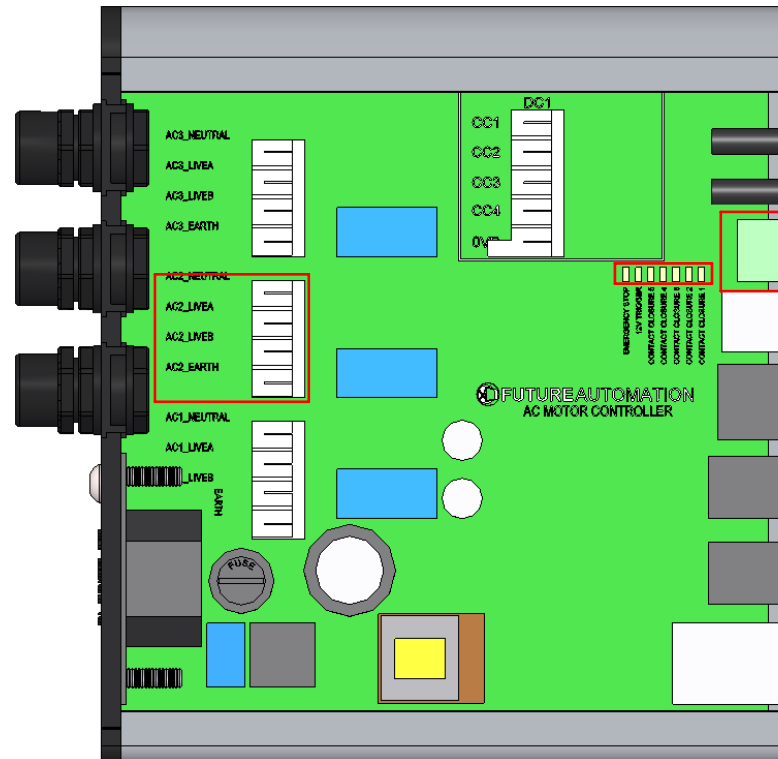
PIN 1: IN
PIN 6: OUT
PIN 3&4: GROUND

PIN 2: IN
PIN 3: OUT
PIN 5: GROUND





Operation Details



Contact Closure LEDs

To show the contact closure operation is working correctly. LEDs are on when connections are shorted together.

EMERGENCY STOP

This connection will stop all functions of the mechanism once broken / removed. Red LED will also be on.

AC2

Gives an output of 240V(or 110V) to control the Electric Tilt motor.

Outputs stay live for 60 seconds after the OUT or IN functions are selected.

