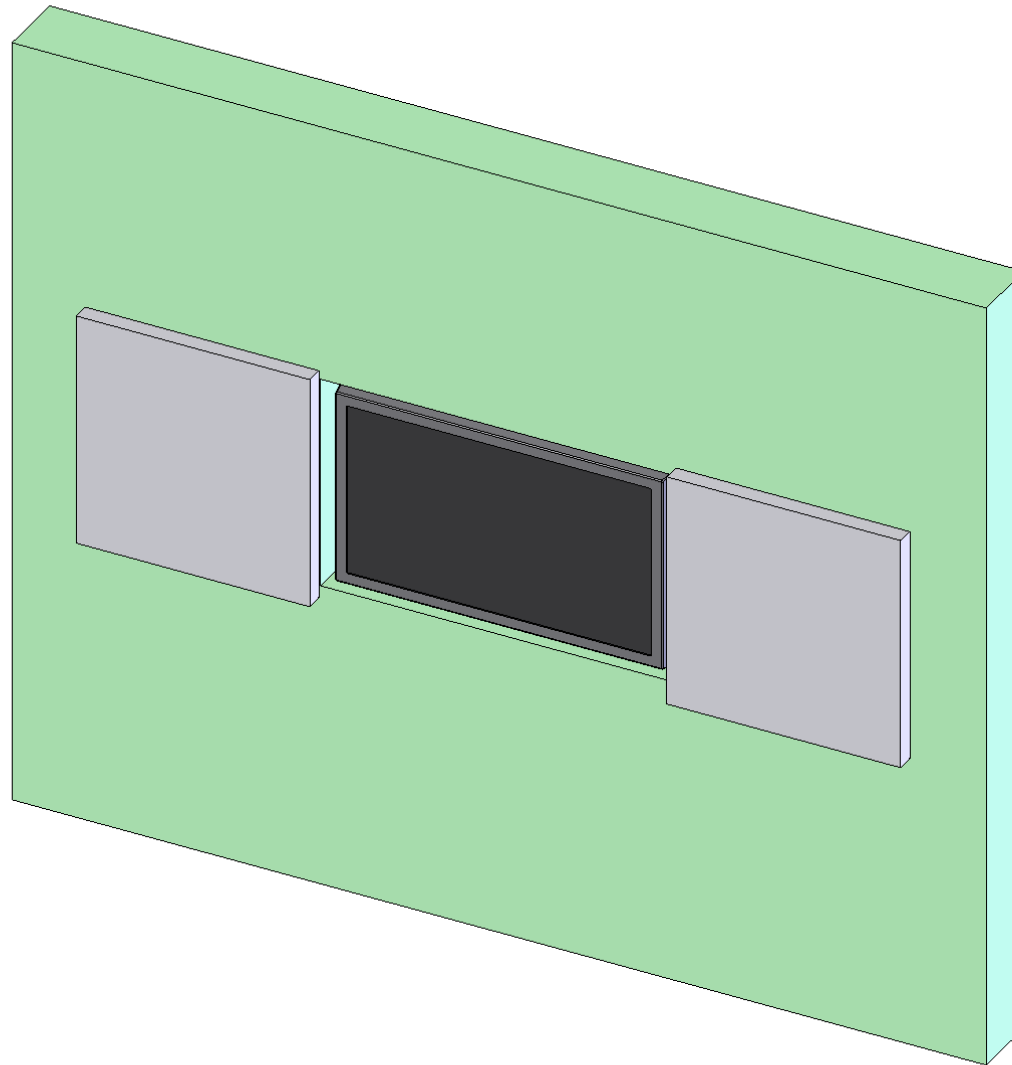


# PIC-S 42 Picture Splitter

Installation Instructions

ISSUE: 003  
[www.futureautomation.co.uk](http://www.futureautomation.co.uk)



**FUTUREAUTOMATION**

# PIC-S 42 Picture Splitter

## Instruction Sheet

Sheet 1 of 10  
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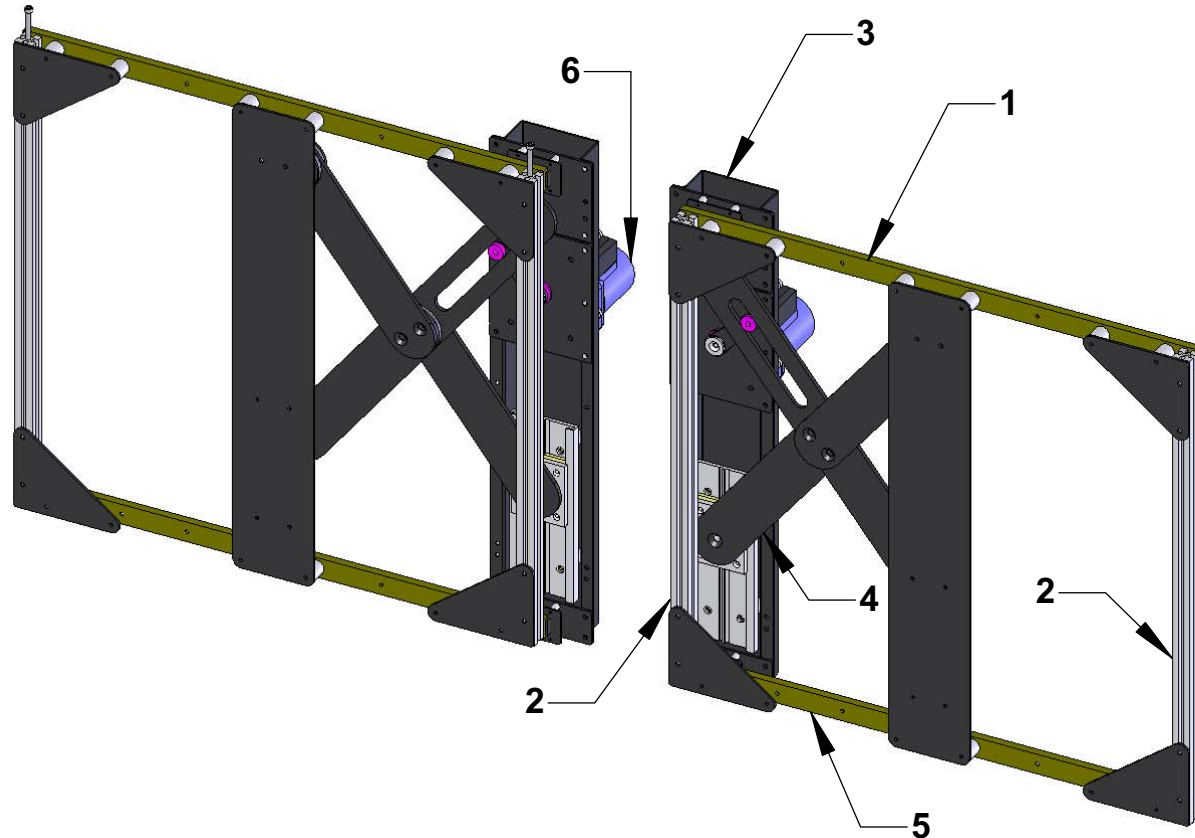


## Your Pack Should Contain

1 PIC-S 42

Picture Splitting  
Mechanism

Suitable for  
screens up  
to 43"

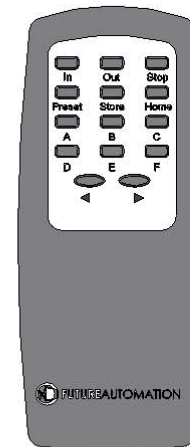


## PARTS

Throughout the following instructions, some parts may be referred to as below;

- 1 Upper Cross Members
- 2 Uprights
- 3 Trays
- 4 Scissor Mechanism
- 5 Lower Cross Members
- 6 Motors

1 IR  
Remote Control



**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

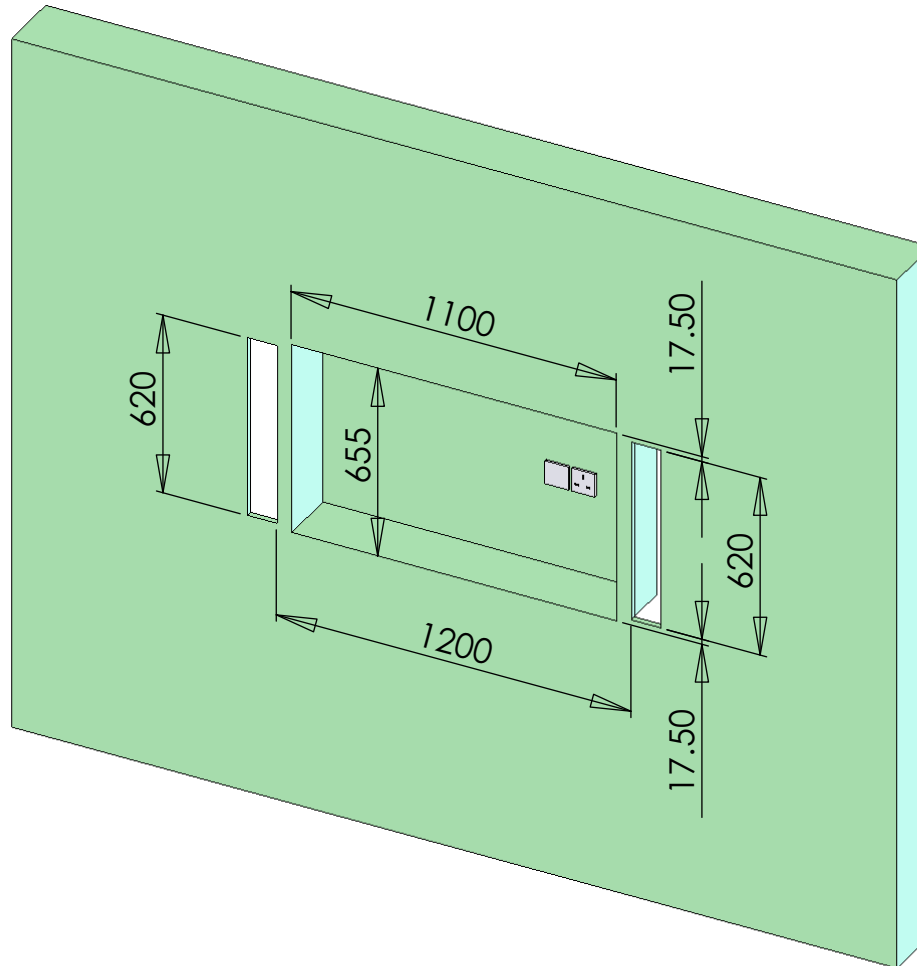


# FUTUREAUTOMATION



## Stage 1

Check the dimensions of the recesses



It is very important that the recesses in the wall are all cut to the dimensions shown below left.

All the edges should be as square as possible to ensure the panels appear square.

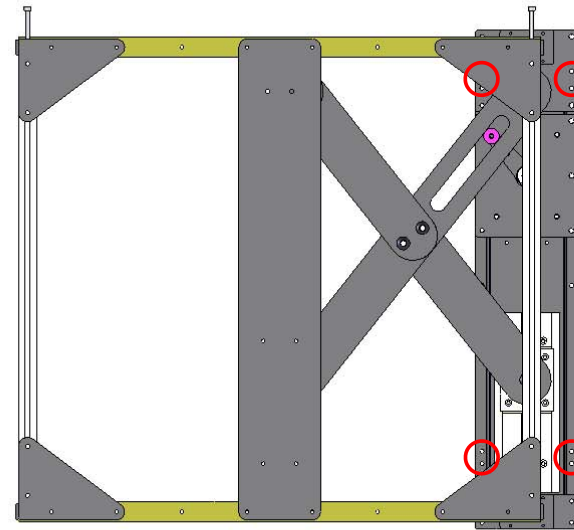
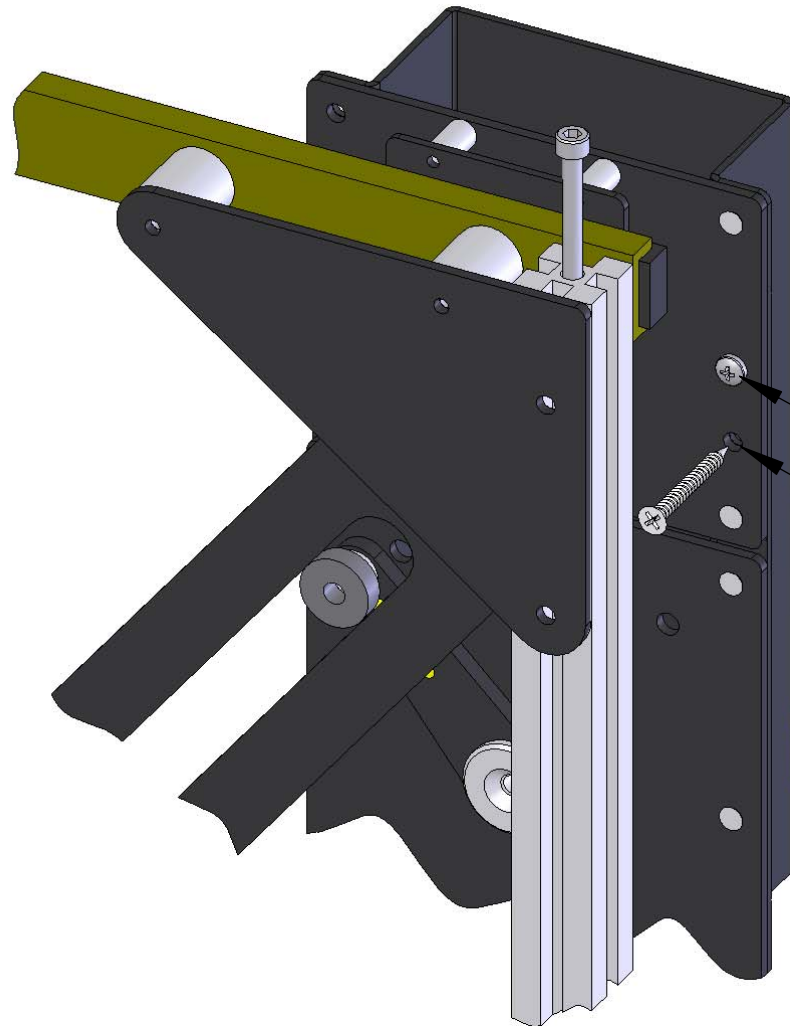
Also check that the wall itself is flat. If the wall is very uneven it may be very difficult to set up the sliding panels.





## Stage 2

*Getting the screws in the correct holes*



M6 x 8mm

Ø 6.0mm

### FIXINGS

There are pairs of holes in each corner of each of the trays. The upper hole is threaded and has an M6 x 8mm bolt in it. The lower hole is 6mm dia. and is for a suitable fixing to the wall behind.

In the diagram, left, a simple wood screw is shown, but this may not be suitable.

It is down to the installer to use the most appropriate fixings for the wall type.



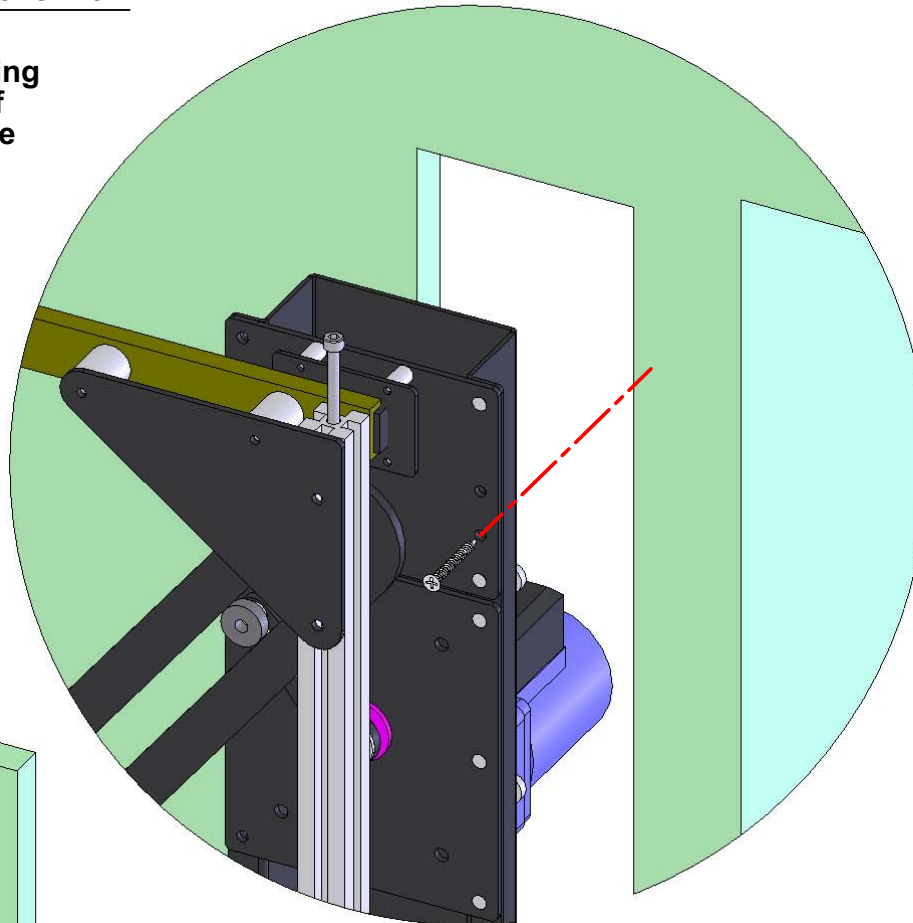
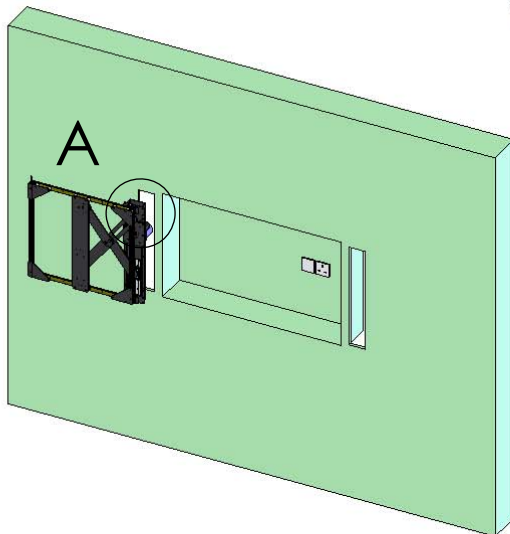


## Stage 3

### Partially fix the mechanisms to the wall

It is recommended that the first fixing point on the trays should be one of the top two screws. With one of the top two screws in place, it is then possible to get the mechanism level and square before marking up and screwing the other one of the top screws into the wall.

Then repeat this process with the other mechanism on the other side of the main recess.



DETAIL A  
SCALE 1 : 3

### FIXINGS

The fixings shown in these instructions are examples only. They are not any kind of recommendation.

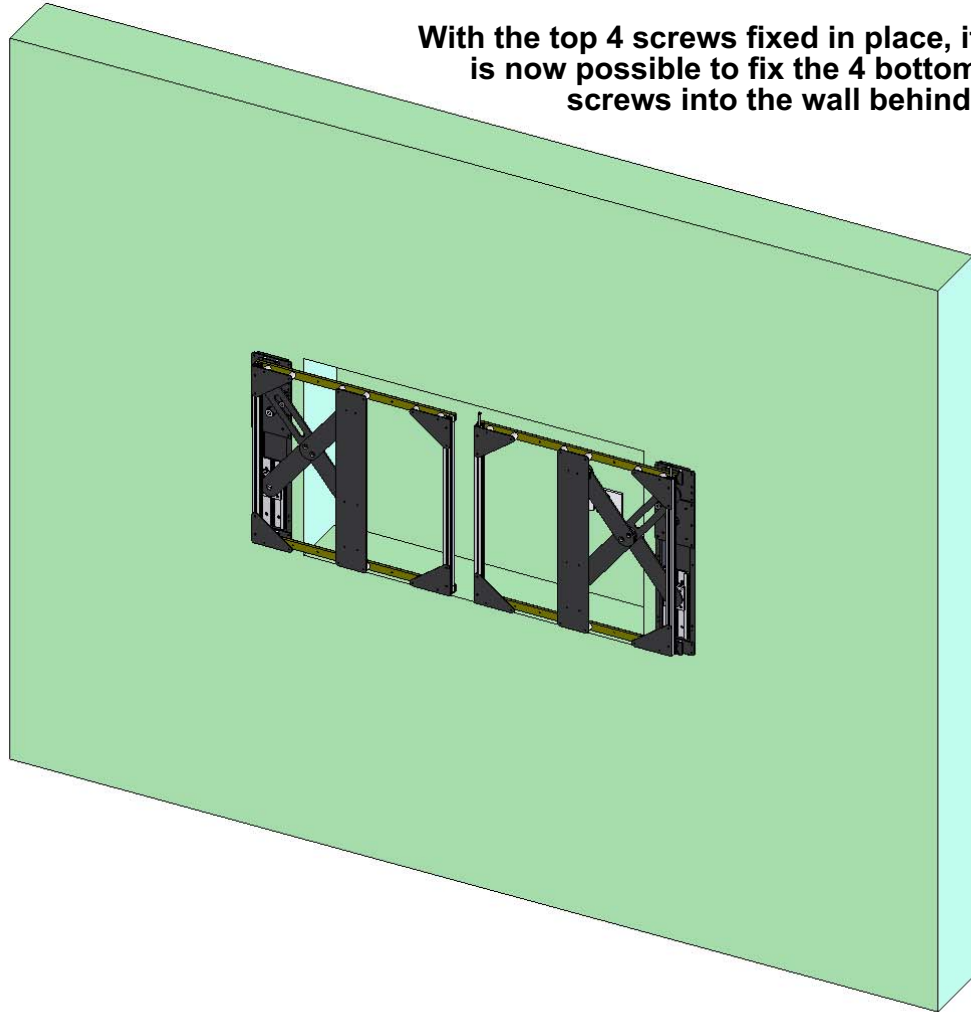
It is the job of the installer to decide on what type of fixings best suit the particular situation.



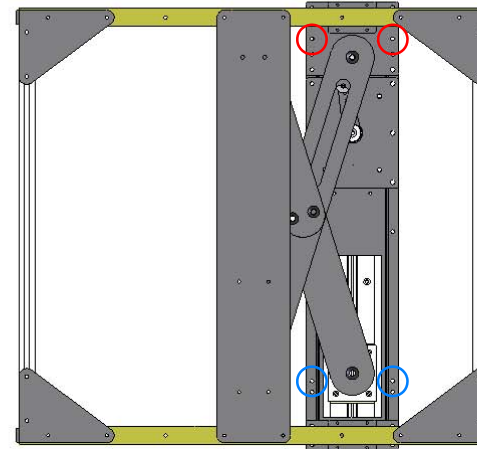


## Stage 4

### Complete fixing and adjustment of mechanisms



With the top 4 screws fixed in place, it is now possible to fix the 4 bottom screws into the wall behind.



For example, by screwing the top bolts (red) all the way in and the bottom bolts (blue) all the way out, the top of the mechanism can be tilted out away from the wall.

### ADJUSTMENT

It may be the case that with all 8 screws screwed all the way in, pulling the trays flat against the wall, the mechanisms line up perfectly and square.

You can check this by manually sliding the panels together, shown far left, and using a level to check how level and square the mechanisms are.

If they are not perfect, then adjustment can be found with the M6 x 8mm bolts above the screws.

Simply loosen the necessary screws and screw the M6 bolts through out the back of the trays, so they push back against the wall behind. By using the bolts to push and the screws to pull, it is possible to alter the position of the sliding panels.

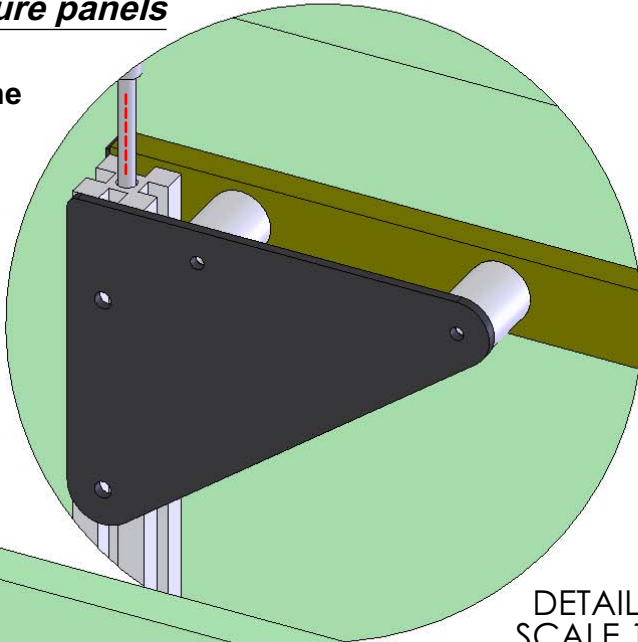




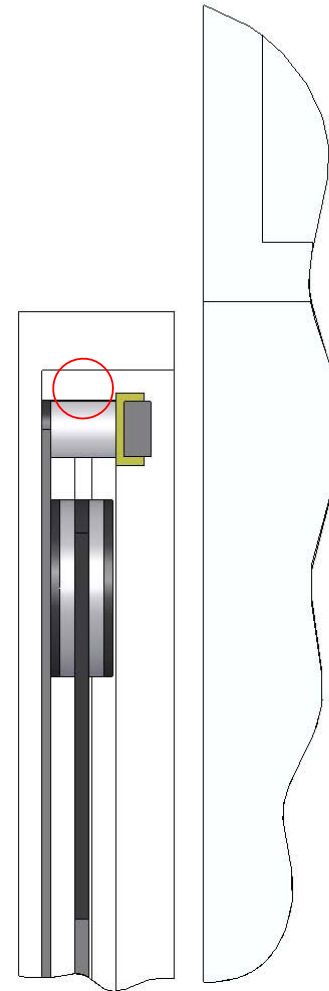
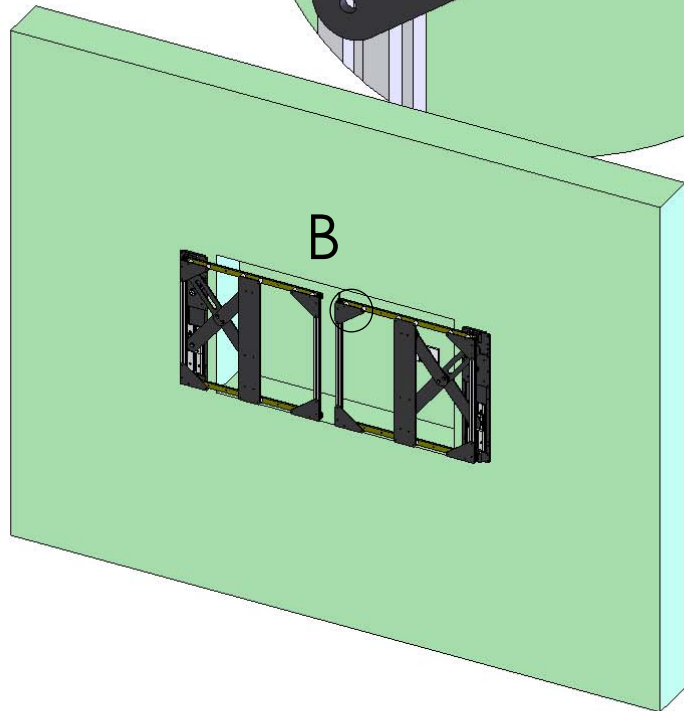
## Stage 5

### Fitting the picture panels

At each end of the uprights are an M5 bolt. These are for placing the picture panels on.



DETAIL B  
SCALE 1 : 2



Screw the bolts up or down keeping them both level.

Then simply place the picture panel on the mechanism so that the top edge sits on the bolts on the top of the uprights.

Then check the panel itself is square using a level.

Once level, gently screw out the bolts on the bottom of the uprights until they are gently pushing on the inside of the bottom edge.

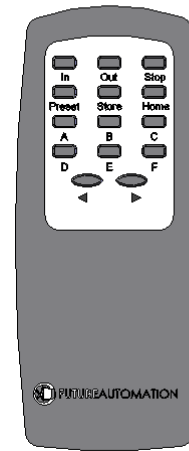
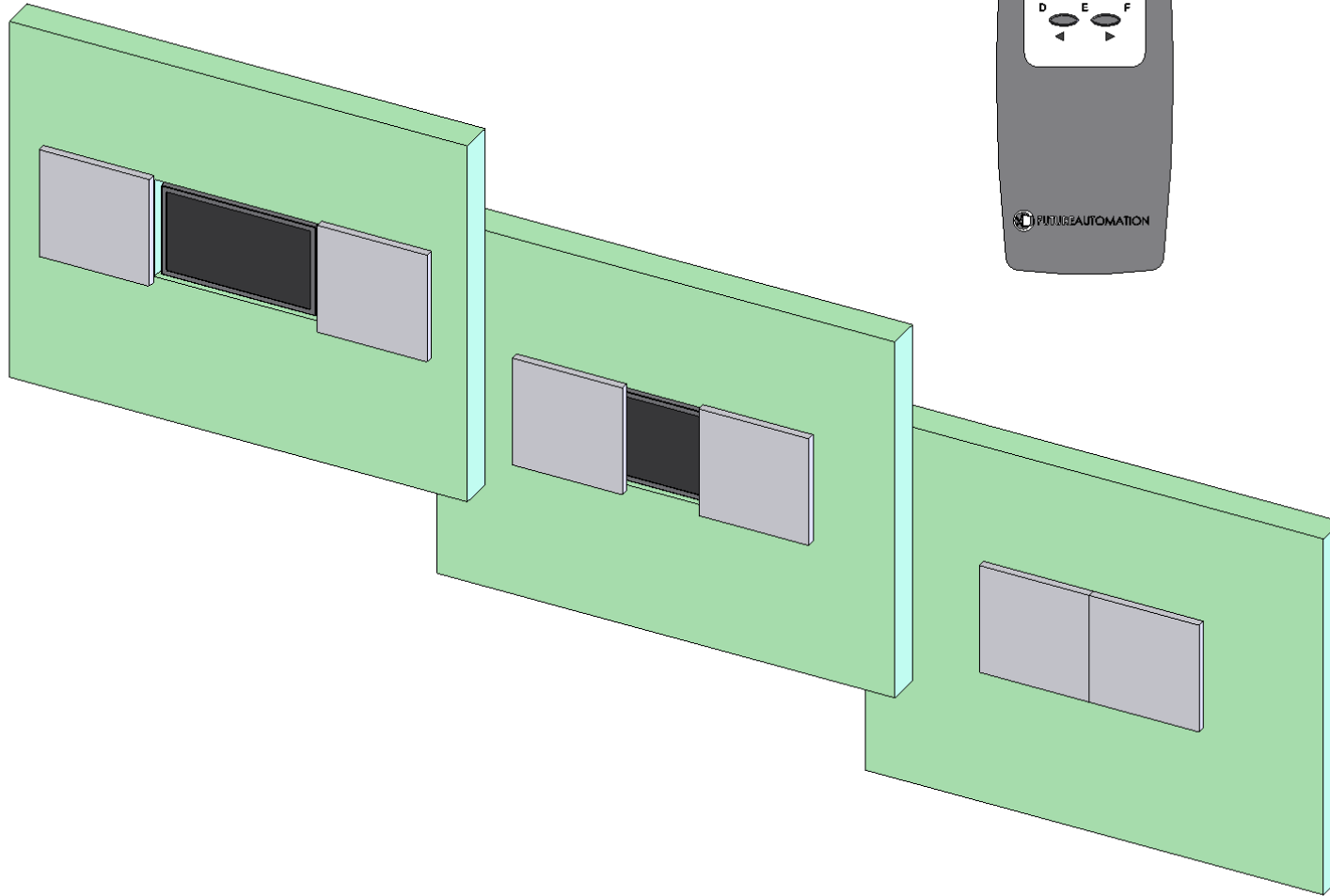
This should provide a secure enough fixing for the lightweight picture panels used.





## Stage 6

### Operating the mechanism

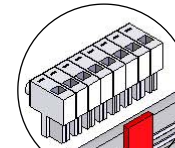


### CONTROLS

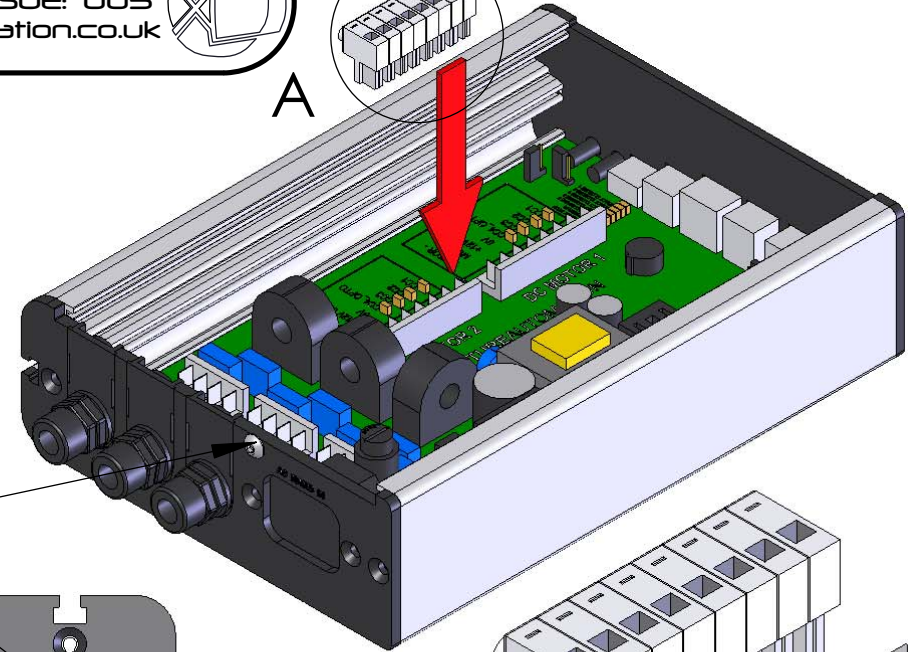
The Picture Split Mechanism can be operated by use of the supplied IR remote control.

- IN:** Closes panels to cover screen
- OUT:** Opens panels to reveal screen
- STOP:** Stops mechanism





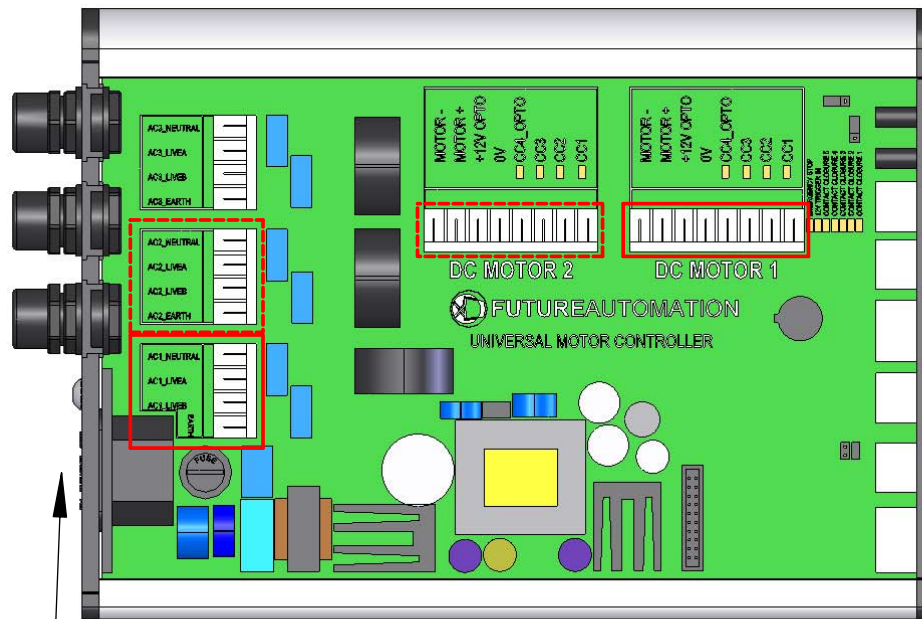
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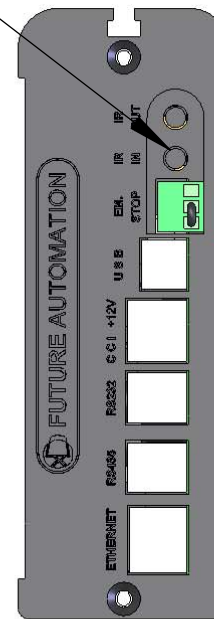
## Electrical Connections

The PIC-S 42 mechanisms must be connected as pairs to one AC and one DC block of connections. The left mechanism can be connected to the AC1 and DC1 block connections. The right mechanism can be connected to the AC2 and DC2 block connections.

Remove this screw to release the lid  
Connect the Infrared Sensor here



Connect the IEC Power Lead Here



DETAIL A  
SCALE 1.2 : 1



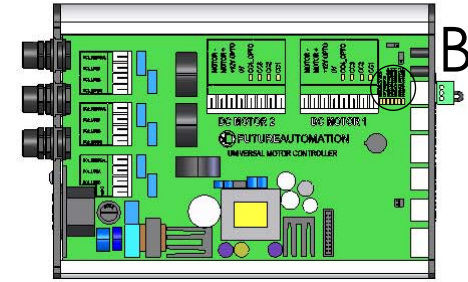
It is **VERY** important that when all of the electrical connections are made, the connector blocks are connected in the way shown above, with all the wires coming directly out the top of the connector blocks.



# PIC-S 42 Picture Splitter

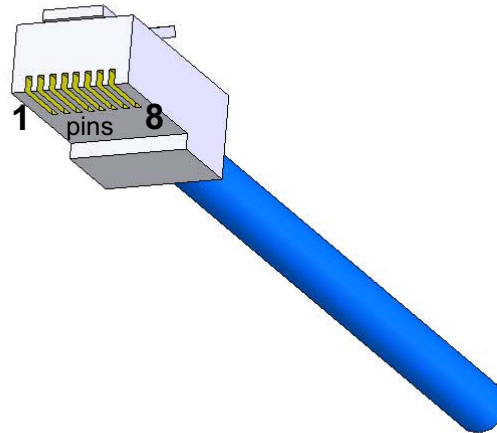
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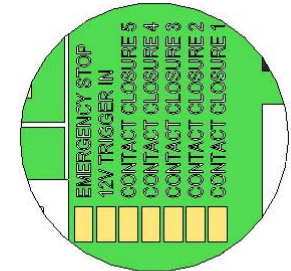
### Contact Closure

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  
 SCALE 1.5 : 1

PIN	568 A	568 B	DESCRIPTION	ACTION
1	W/G	W/O	12V SUPPLY CURRENT LIMITED	
2	G	O	12V TRIGGER	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	DEVICE TOGGLE	Momentary short to ground will switch the device between states of IN / OUT. CC5
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 IN	Momentary short to ground will make device go IN. CC2
8	BR	BR	DEVICE OUT	Momentary short to ground will make device go OUT. CC1



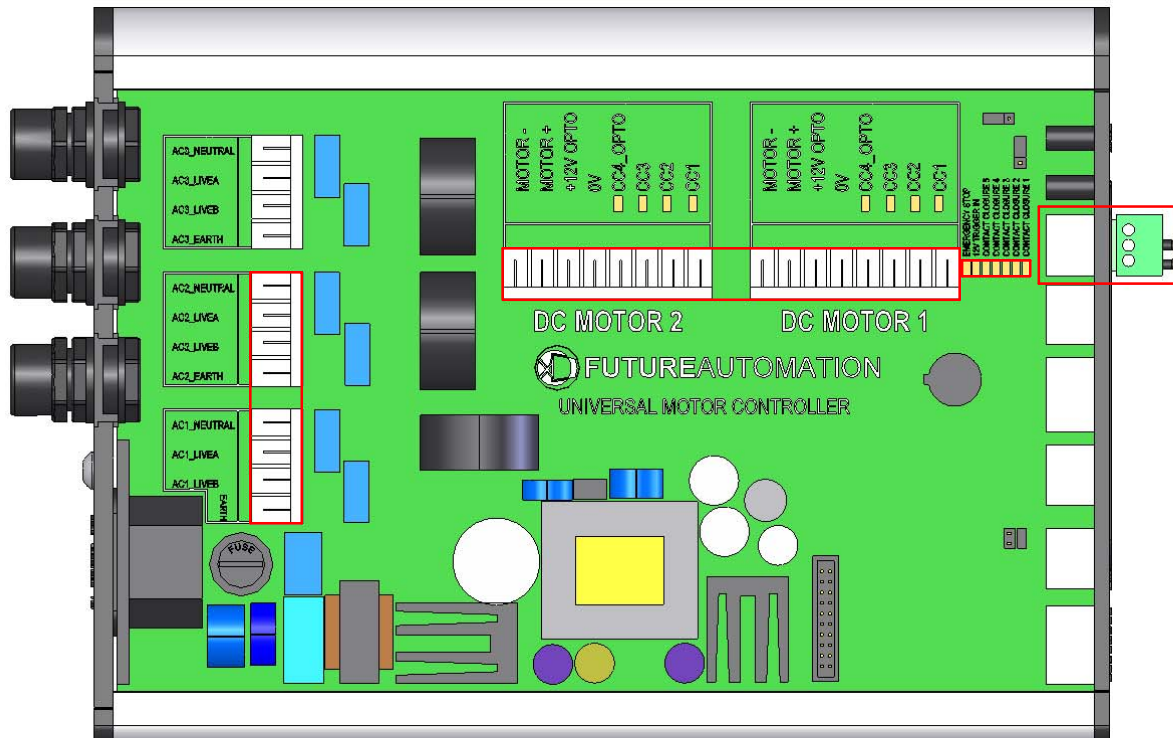
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## Operation Details

### DC1 / DC2

A low voltage connection for the in / out stop switches in the mechanism. This must be re-connected if you extend the cables. When a switch falls onto the flat of a cam, the connection between CC1 or CC2 and ground is broken, the LED goes off and the panel stops moving.



### 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.

### AC1 / AC2

Gives an output of 240V(or 110V) to move the mechanism.

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

