CyberSelect
technology for the home

Add-a-Motor curtain motor installation

Power supply

The power supply that comes with your curtain motor is a CE approved item. In order to power the curtain motor it first has to be set to 12 volts output and have the correct connector put on the power lead.

Setting to 12 volts DC output:
On the front of the power unit there is a slide switch**.** Move this to the furthest position marked **"12V".** If this is not done the motor will not operate.

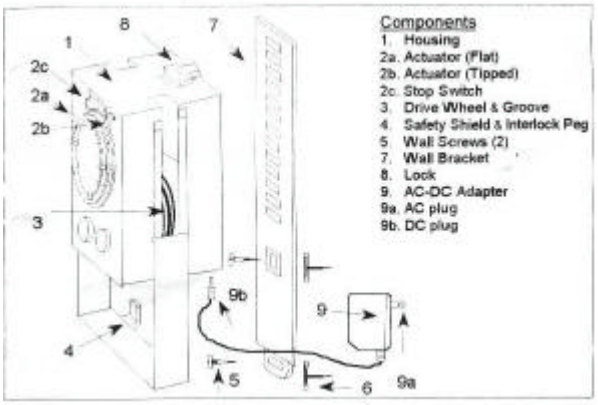
Fitting:
The correct fitting for the curtain motor is the **red tipped connector**. This can be fitted onto the wire in two positions. For the curtain motor to operate correctly, you should match up the **"TIP"** marking on the connector, with the **"+POS"** marking on the wire.

If the connector is put on the wrong way round then the motor will not stop when it reaches the limit switch. At this point it will try to continue and damage may occur, so it should be switched off or unplugged immediately.

Installing the curtain motor

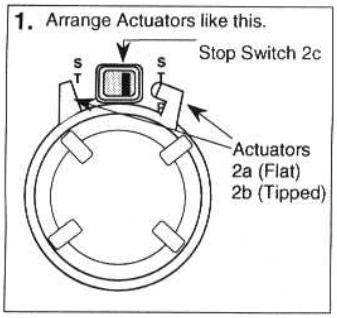
Note: The installation requires that you already have corded curtain track fitted, and that it runs easily and smoothly. If you do not, then based on our own experience, we recommend that Harrison Drape Extra (or any track where the cord travels inside the track rather than beside it) curtain track is fitted.

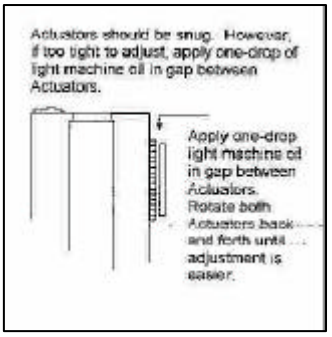
If your window is wider than 3 metres, then it is likely that the track will be supplied in two separate sections. In this case you will need two motors per window (one for each track section)



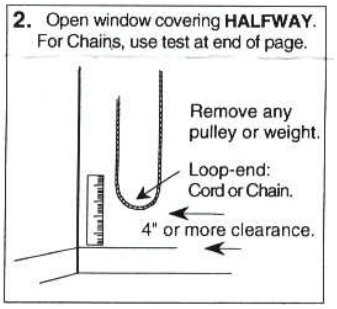
1 Test the movement of the actuators (2a & 2b) for ease of movement. If they are stiff DO NOT FORCE them; put a few drops of oil on them as shown right.

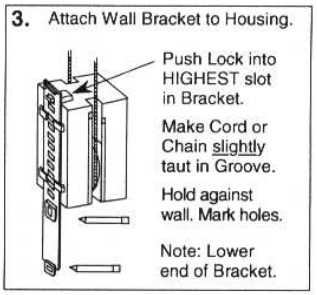
2 Rotate the actuators (2a & 2b) to the arrangement shown in fig1, and remove the Safety Shield (4)





3 Open the curtains to a halfway position. **If your curtains do not slide freely, spray the track with a silicone spray lubricant.** Failure to do this may overload the motor. Remove any pulley or weights on the cord and tie the two ends of the cord to make a loop (if necessary). Pull loop down until taut, measure clearance to skirting board and adjust to give 4 inches minimum, (see below fig 2).





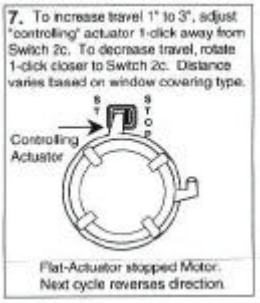
4 Slide the wall bracket (7) in to the channel on the rear of the motor (1), push locking pin (8) in to the HIGHEST slot of the wall bracket. Place loop of cord in the pulley groove, pull the motor down until the cord is taut and mark the centre of the oval holes on the wall, see above (3)

5 Remove wall bracket and attach to wall using screws and wall plugs, ensuring the cord is vertically aligned – use a strip of wood to pack out if necessary.

6 Re-fit motor (1) to wall bracket (7) from above with cord on motor pulley, and lower until cord is not slack but DO NOT make cord very tight, see right (fig 5 & 6).

7 Replace Safety Shield. DO NOT PLUG IN YET. When the motor is plugged in it will immediately start to operate. Each time the actuators (2a and 2b) touch the switch (2c) they stop

the motor. You can stop the motor at any time by moving the switch (2c) by hand. Adjust the distance of curtain travel by repositioning the actuators, moving them apart for more travel.



8 Connect the adapter (9) to the motor and plug in to a wall socket. The motor will start and the curtains move. Adjust their closed position first. Each click of the actuator is equal to 3 inches of curtain movement. After adjusting the closed position, lower the motor on the wall bracket by one slot, then adjust the open stop position, (see right fig 7).

9 Remove plug from socket, plug in a transceiver or appliance module, and then plug adapter into the module.

10 The curtains can now be operated using an RF remote control (if you used a transceiver) or by a mini timer (if you have used an appliance module)

Note: If using the remote control, you will have to press off (on the remote) after the curtains have operated, in order to reset the motor. The motor requires 'power on' to open and 'power on' to close.

Setting the Mini Timer to operate the Add-a-Motor curtains

How it works

The Add-a-Motor requires 'power to open' and 'power to close'.

Whenever you have operated the curtains and the motor has stopped at the end of its travel, the motor is still in the 'on' state. Unless the power to the motor is removed, the next time that you press 'on' either by a remote control, or by the 'on' button on top of the Mini Timer, nothing will happen.

When the power is removed, after roughly 5 to 10 seconds, you will hear a click come from the motor. This is the motor resetting itself. The next time that you press 'on' the motor will travel in the opposite direction.

Recommendation – leave motor in the 'on' state

When setting the Mini Timer we suggest that when you want to time your curtains to open, then set the timer to send an 'OFF' signal one minute before the time that you want to open. One minute later send the 'ON' signal and the curtains will open.

This leaves the curtain motor in the 'on' state, but it does no harm to the motor. If you operate the curtains by the remote control, then you will have to press the OFF button first wait till you hear the click, then press ON.

Why not leave in the 'off' state?

The alternative is to send the 'ON' signal to open, then one minute later to send the 'OFF' signal, so that the motor is left in the 'off state ready for its next 'on' signal.

However, if you have a remote control in addition to the Mini Timer, and someone operates the curtains when they have stopped travelling, the motor will be left in the 'on' state. If they then forget to send an 'off' signal, they will remain in the 'on' state. When the Mini Timer then is due to open them, it sends and 'on' signal which will have no effect, then an 'off' signal one minute later.

The consequence is that your curtains will be opening and closing at the wrong times!

Example

Open at 7.15am, close at 6.30pm using A1 as the X10 code for the curtain motor module.

With reference to the Mini Timer manual (assuming time has already been set)
Set House code dial to A and Selector slide to 1-4
Set slide switch to PROG SET
Set time to 7.14am and press button 1-5 OFF
Set time to 7.15am and press button 1-5 ON

Set time to 6.29pm and press button 1-5 OFF
Set time to 6.30pm and press button 1-5 ON
Set slide switch to RUN

What to do if….

1 The motor does not operate:
Check that the Safety Shield (4) is fitted
Check that the plugs are connected
Check that the wall socket is not switched off
Check the remote control batteries are OK

2 Open or closed position changes:
This happens if the curtain movement is restricted. Clean or wax the track or replace as a last resort.
Check that cord is not too slack.

3 The cord comes off the pulley:
This happens when the pulley on the motor and the pulley on the track are not aligned. Adjust by adding a strip of wood between the wall bracket and the wall, before re-fixing.

4 If the motor fails to stop at the limit switch, this indicates that the polarity of the Power Supply Unit (PSU) does not match the motor. Immediately unplug the PSU to prevent damage.

If the PSU plug separates into two parts the tip of which has 2 pins, then unplug the two parts rotate through 180°, and reconnect. This should solve the problem (see Power Supply section on page 1).

If the plug is a single unit, then the polarity needs to be switched inside the motor itself. To do this, remove the four screws on the back of the motor and remove the rear cover plate. At the top of the motor you will see two wires, a red and a black, attached to the small round motor on terminals, one of which has a red paint mark beside it. These need to be removed and switched over. Then replace the cover plate and try again.