

# Remote Control Electric Curtain System

**Note:** This remote control power curtain system is for indoor use only

**Warning:** Children should stay away during assembly and installation to avoid the risk of choking

## Contents

This remote control power curtain system is designed for office and home use only. This product includes the following:

1. Curtain motor
2. Remote control
3. Wall controller
4. 5m of rail (1 m sections)
5. Rail joiners, wall and ceiling mount brackets
6. Wall plugs and screws

## General Description

1. One remote control can operate up to 8 curtain motors
2. Open and close the curtain by remote control, wall controller or manually
3. Stop at any position along the track by pressing the stop button on the remote or wall controller
4. Built-in over-load protection (within 30 seconds)
5. Can be manually operated during a power failure
6. Safe and reliable design with 12V DC transformer with GS, CE, BS approval
7. Automatic stop in 2 seconds when the curtain is fully opened or closed

## Technical data

- |    |                        |                    |
|----|------------------------|--------------------|
| 1. | Input voltage          | 220 - 240 at 50 Hz |
| 2. | Output voltage         | 12 V DC            |
| 3. | Operating power        | 12 W               |
| 4. | Stand by power         | 0.1 W              |
| 5. | Maximum remote range   | 8 m                |
| 6. | Endurance of the motor | 1000 hr            |
| 7. | Curtain width          | 1.2 to 5 m         |
| 8. | Maximum loading        | < 15 kg            |

## Tools required to install

1. Portable electrical drill
2. 6 mm masonry drill bit
3. Measuring tape
4. Spirit level
5. Cross-head (star) screw driver

6. Hand saw
7. Pair of pliers (wrench included in the kit)

## Assembly

### A. Curtain track length

1. The length of the curtain track must be cut to proper length
2. Do not cut the track that holds the curtain motor
3. Allow 2 to 3 cm space between the motor the wall
4. Install the motor after the track has been cut to size

### B. Curtain track assembly

1. Untwist/uncoil the guide wire
2. Loosen the big head screw on carrier "A" to half way (Figure 1)
3. Loosen the small head screw on carrier "B" to half way (Figure 2)



Figure 1 Carrier A



Figure 2 Carrier B



Figure 3 Track with base

4. Loosen the fasten screw of the pulley system
5. Remove the pulley system off the track and away from the rail
6. The guide wire will lengthen as the system is pulled away from the track end
7. Lengthen the track using the joiners to connect two tracks together
8. Add more runners to the track if required (1 for every 12 cm of tack is recommended)
9. Re-connect the pulley system to the end of the track
10. Using the wrench supplied, turn the nut located on the side of the pulley (which the motor attaches to) anti-clockwise
11. This loosens the pulley system completely and the guide wire will slacken all tension
12. Move the carriers ("A" and "B") to either end of the curtain track
13. Tighten the head screw on carrier "B" to lock the guide wire in place
14. Use a pair of pliers to tension the guide wire on carrier "A", and again tighten the head screw to lock the tensioned wire in place
15. Check that there is no twists, cross over, coils or knots in the wire
16. The wire should move freely inside the track
16. Move the small copper ring towards carrier "A" and press the ring firmly with the pliers (do not cut off the extra wire at this stage)

### C. Wall or ceiling mount

1. Attach the motor to the curtain rail (Figure 8)
2. The power input and dip switches face away from the rail
3. A loud “click” will be heard as the red button locks the motor in place
- . Attach the infrared receiver to the port (Figure 9)



Figure 8 Transmission box



Figure 9 Infrared light receiver

5. Face the infrared receiver towards the room for optimum range
6. Mount the rail to the wall for ceiling using the brackets provided



Figure 6 On the wall



Figure 7 Under the ceiling

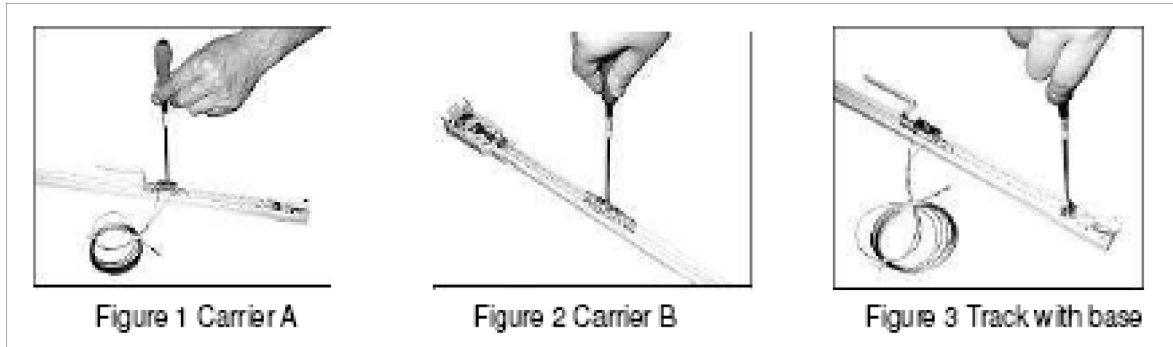
7. Make sure the rail is straight and level
8. Install brackets at either end of the rail to support the rail properly
9. Space the brackets about 800 mm apart
10. Allow for at least a 50 mm spacing between the wall and the track for ceiling mounts
11. Connect the power supply to the motor

### D. Adjusting the guide wire tension

1. Use the wall controller to operate and test the system
2. If the motor does not stop automatically when it is fully opened/closed, use the wrench to tighten the hexagon bolt clockwise (located on the side of the pulley system holding the curtain motor)
3. This tensions the guide wire allowing the motor to stop within 2 seconds
4. Do not over-tension the wire. Tighten the bolt just enough and no more
5. If the bolt is fully tightened and the motor is still not stopping:
  - 5.1 Fully loosen the bolt, releasing the wire tension
  - 5.2 Loosen the head screw holding the wire on carrier “A”
  - 5.3 Use a pair of pliers to manually tension the wire on carrier “A”
  - 5.4 Tension the wire as much as possible with the pliers
  - 5.5 Tighten the head screw to lock the tensioned wire in place
6. Once the system is operating normally, cut the excess wire off carrier “A”

## Track assembly for One Way Applications

1. To make the operation one way as opposed to center open/close, carrier "B" needs to be completely removed from the rail
2. Untwist/uncoil the guide wire
3. Loosen the big head screw on carrier "A" to half way (Figure 1)



4. Loosen the small head screw on carrier "B" to half way (Figure 2)
5. Loosen the fasten screw of the pulley system
6. Remove the pulley system off the track and away from the rail
7. The guide wire will lengthen as the system is pulled away from the track end
8. Remove carrier "B" completely from the track
9. Remove the wire from carrier "B"
10. Re-attach the pulley system to the rail and fasten the screw
11. Follow the instructions to tension the guide wire for smooth operation

## Switch control setting

By default, the dip switch is set to 8. Press button 8 on the remote, then use the open and close buttons to control the curtain operation.

To change the motor to respond to number (1 for example):

1. Disconnect the power from the motor
2. Wait about 10 seconds before changing the dip switches
3. Change the dip switch settings so that 1 is on and 2 to 8 are in the off position
4. Press button 1 on the remote, then use the open and close buttons to control the curtain operation.

It is possible to set two motors to the same number if desired.

## **Troubleshooting**

1. Cannot control the specific curtain  
The curtain number is not set properly  
Reset the dip switches
2. Remote control and wall controller are not working  
Check the supply of electricity, the batteries in the remote control and remove any obstacle object away from the receiver.
3. The motor does not stop automatically when the curtain is fully opened or closed  
Re-tension the guide wire by tightening the hexagonal bolt on the pulley
4. The curtain cannot be drawn by hand  
The guide wire is twisted or is tangled with the runners  
Check the runners and the wire

## **Warranty of remote control power curtain system**

1. One Year Limited Warranty
2. All products are inspected and tested before delivery
3. The products are warranted to be free of defect from workmanship and material for a period of one year from the date of original purchase with invoice
4. The warranty does not apply where:
  - 4.1 Repairs have been made by others
  - 4.2 Repairs have been attempted by others
  - 4.3 Repairs are required due to normal wear and tear
  - 4.4 The product has been misused
  - 4.5 The product has been improperly installed
  - 4.6 The product has been modified other than stipulated in this manual
5. The warranty only applies to this product and does not apply to any damages due to installation, improper installation, use and misuse of this product
6. The sale of this product does not include the assembly, disassembly and reassembly of the equipment or parts