

# Remote Control Electric Curtain System

## Instruction Manual for Model HT100-3M & HT100-4M

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

This remote control power curtain system is designed for office and home use. This product includes transmission box, remote control, adaptor, manual control, tracks, track connectors and wall/ceiling brackets.

1. Description of remote control power curtain system
  - 1.1 General information of remote control power curtain system
  - 1.2 Technical data of remote control power curtain system
2. Parts list of remote control power curtain system
  - 2.1 Model HT100-3M
  - 2.2 Model HT100-4M
3. Assemble Parts of remote control power curtain system
  - 3.1 Curtain Track Length
  - 3.2 Track Assemble
  - 3.3 Carrier Installation
  - 3.4 Installation Instruction
  - 3.5 Transmission Box Installation
  - 3.6 Adjust the tension of the wire
  - 3.7 Track assembly for One Way Applications
  - 3.8 Switch Control Setting
  - 3.9 Remote Control Setting
  - 3.10 Reset Switch Control
  - 3.11 Methods to Control the System
4. Trouble shooting
5. Warranty
6. Disclaimer

**1. Description of remote control power curtain system**

1.1 General information of remote control power curtain system

- a. One remote controller can operate 8 sets of units without interference each other
- b. Open and close the curtain by remote control, control pad or manually.
- c. Stop at any position along the track by the remote control or control pad.
- d. Over loading protection within 30 seconds.
- e. Can be manually operated while power off.
- f. Simple and easy installation with driver and control system in one box.
- g. Easy installation.
- h. Safe and reliable design with 12V DC transformer with GS, CE, BS approval.
- l. Automatic stop in 2 seconds when the curtain is fully opened or closed.

1.2 Technical data of remote control power curtain system

- |                               |                               |
|-------------------------------|-------------------------------|
| a. Input Voltage              | 110-120V/60Hz or 220-240/50Hz |
| b. Output Voltage             | 12V DC                        |
| c. Operation Power            | 12W                           |
| d. Stand by Power             | 0.1W                          |
| e. Maximum Remote Distance    | 8M                            |
| f. Endurance of the Motor     | 1000HR                        |
| g. Range of the Curtain Width | 1.2M ~6.2M                    |
| h. Maximum Loading            | <=30Kgs                       |

**2. Parts list of remote control power curtain system**

2.1 Model HT100-3M of remote control power curtain system

- a. Three pieces of one-meter long tracks. One of the tracks contains the base for the transmission box and the end base.
- b. One manual control pad.
- c. One transmission box (with remote receiver).
- d. One adaptor.
- e. One remote control (can control eight electrical curtains independently)
- f. Six ceiling bases or six-wall bases for wall /ceiling brackets.
- g. Six sets of wall/ceiling brackets. Wall brackets are optional.
- h. Two track connectors
- l. Eighteen wall plugs
- j. Eighteen screws
- k. One wrench
- L. Two AA size batteries

2.2 Model HT100-4M of remote control power curtain system

- a. Four pieces of one-meter long tracks. One of the tracks contains the base for the transmission box and the end base.
- b. One manual control
- c. One transmission box (with remote receiver)
- d. One adaptor

- e. One remote control (can control eight electrical curtains independently)
- f. Eight ceiling base or eight-wall base for wall/ceiling brackets
- g. Eight sets of wall/ceiling brackets. Wall brackets are optional.
- h. Three track connectors
- i. Twenty-four wall plugs
- j. Twenty-four screws
- k. One wrench
- L. Two AA size batteries

### 3. Assemble Parts of remote control power curtain system

**Warning: Children should stay away while the system is under assembly and installation**

#### General Information

There should be enough space for the assembly of the product. The tools required for the installation of this product are electrical drill with 6cm diameters drill bit, fiber measuring tape, cross head screw driver, hand saw, a pair of pliers and a wrench. The wrench comes with the package.

#### 3.1 Curtain Track Length

The length of the curtain tracks should be cut into proper length. It is recommended that not to cut the track that comes with the base for the transmission box and the end base.

- (1). Measure the length of the track and cut to the required length by the handsaw.
- (2). Allow space of 2 to 3 cm between the transmission box and the wall.
- (3). Make sure you measure the correct length of the track before you cut the track into proper size.
- (4). Install the transmission box only after you cut the track into proper size.

#### 3.2 Curtain Track Assembly

- (1). Undone the wire and remove the twists from the wire. Also uncoils the wire carefully.
- (2). Loosen the big head screw on carrier "A" to half way as shown in figure 1.
- (3). Loosen the small head screw on carrier "B" to halfway as shown in figure 2.

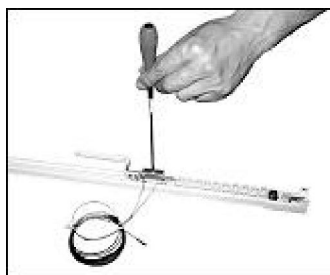


Figure 1 Carrier A



Figure 2 Carrier B



Figure 3 Track with base

(4). Loosen the fasten screw at the end base, with the pulley system, then take the end base out of the curtain track carefully in the direction along the track. The wire will go along with the end base. Make sure not to twist and coil the wire itself. Also, do not twist the wire with the track and do not let the pulleys drop out of the track. See figure 3 and 4. Since there is enough length for the wire, the wire will go along with the end base.

(5). Connect the tracks by using the track connector. See figure 5, and make sure each track has the

same number of small pulleys. (Recommended one pulley for every 100mm long)

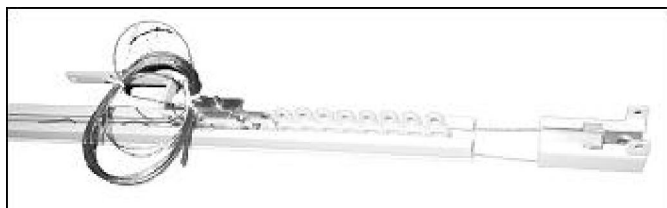


Figure 4 End base



Figure 5 Track connector with tracks

(6). Repeat procedure 4 and 5 if more than one track are needed to be installed.

(7). Put the end base, with the pulley system, into the end of the added window curtain track and fastened the screw on the end base.

(8). Pull the wire until it is taut and fasten the screw in carrier "A". The screw in carrier "B" is still half way loosens as show in figure 2.

(9) Use the wrench to turn the screw clockwise, which is located at the end of the system to increase the taut of the wire.

### 3.3 Carrier Installation

(1). Move carrier "A" to the end of the track and move carrier "B" to the other end of the track. Fasten the screw on carrier "B".

(2). Move the small copper ring to carrier "A" and use the clamp to press ring until you feel it is properly tight. (Do not cut off the extra wire at this moment.)

(3). Check again that there is no twists, cross over, coils and knots for the wire. The wire should be totally inside the track but not twist with the carriers and the wheel of the carriers.

(4). There should have a smooth feeling when move the carriers "A" along the track for final check.

### 3.4 Wall/Ceiling bracket Installation

The system is designed to install either on the wall, figure 6 or ceiling, figure 7. Different materials require different material and method to fasten the product on the wall or ceiling. The package comes with wall plugs and screws. Usually, two brackets are good for one one-meter long track. It is recommended that one of the brackets should near the transmission box and one should be near the other end of the track.

Note: All the bases and brackets should be on the same surface and straight line and leave at least 50mm spaces between the wall and the track. The transmission box can be assembled on either the right or left side.



Figure 6 On the wall

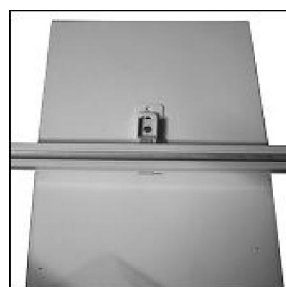


Figure 7 Under the ceiling

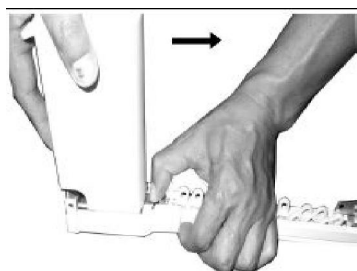


Figure 8 Transmission box



Figure 9 Infrared light receiver

### 3.5 Transmission Box Installation

- (1) Insert the transmission box into the carrier base until you heard the sound 'CLICK'. The red button will lock the transmission box automatically. Check if the box was installed properly.
- (2) Pull the red pad and then draw out the transmission box as figure 8.
- (3) Insert the infrared red light receiver into the port. The infrared red light receiver should face the room, as show in figure 9.
- (4) Connect the adaptor to the supply of electricity and the transmission box.
- (5) Hand up the curtain properly.

### 3.6 Adjust the tension of the wire

- (1) Using the control pad (figure 11) to operate the system, the curtain will move smoothly even the carriers passing the connection point of the track. You have to adjust the tension of the wire if the curtain can not stop automatically when it is fully opened / closed.
- (2) Use the wrench to turn the hexagon bolt clockwise until the curtain can stop automatically within 2 seconds when it is fully opened / closed. The hexagon bolt is located at the end of the main track. If the motor cannot stop in 2 seconds when the curtain is fully opened / closed even the hexagon bolt has been adjusted to the top end position. You have to release the hexagon bolt anti-clockwise to the lowest position, do not loose out the bolt from the base track, then loosen the big head screw on carrier "A" on half way as shown in figure 1, and pull the wire until it is taut and fasten the screw on carrier "A" again. Repeat the procedure "3.3 (2)" until the curtain stop automatically within 2 seconds when it is fully opened / closed.
- (3) Fasten all the screws and cut off the extra wire.

### 3.7 Track assembly for One Way Applications

- (1) Undone the wire and remove the twists from the wire. Also uncoils the wire carefully.
- (2) Loosen the big screw on carrier "A" to the halfway as shown in figure 1.
- (3) Loosen the small screw on the carrier "B" to fall way as shown in figure 2.
- (4) Loosen the fasten screw at the end base, with the pulley system, then take the end base out of the track carefully in the direction along the track. The wire will go along with the end base. (The plastic pulley does not remain in the track except the side of **Bigger Carrier "A"**.)

**Make sure not to twist and coil the wire. See figure 3 and figure 4. Since the wire is enough length to go along with the end base.**

(5) Pull the small carrier "B" out of the track, unscrew the nut that is located at the bottom of the carrier "B" and loosen the screw on the top of the carrier "B".

(6) With pliers, grab out the wire gently, and then you can take out the smaller carrier "B" from the wire. Take out the entire plastic pulley simultaneously.

(7) If you wanted to add the pulley on the side of **Bigger carrier "A"**, pull out the **Bigger carrier "A"** from the track very careful, Then insert the pulley into the track one by one according to your requirement.(recommend one pulley for every 12cm.)

**Make sure not to twist and coil the wire. See figure 3 and figure 4. Since there is enough length for the wire will go along with the end base.**

(8)Place back the **Bigger carrier "A"** into the track carefully, push the end base into the end of the added track and fasten the screw on the end.

(9) Pull the wire until it is taut and fasten the screw in **bigger carrier "A"**.

(10) Adjust the tension of wire (procedure 3.3) until the curtain stop automatically within 2 seconds when it is fully opened / closed.

### 3.8 Switch Control Setting

Warning: The infrared red light receiver is specific designed only for this remote control window treatment system. The receiver cannot be used or modified for other uses. The receiver needs two batteries to operate.

Curtain No.1 can be set by switch the switch control 1 to **ON** and all others set to **OFF**. Other curtain number setting is similar with different numbers of **ON** and **OFF**. By default, the switch is set to 8 when delivery. Figure 10 shows the switch control.

### 3.9 Remote Control Operation

After the switch control is set, the corresponding curtain can be operated by using the information from table 1 with remote control. Figure 12 shows the remote control.

Curtain No.	1	2	3	4	5	6	7	8	
Switch Control	1	2	3	4	5	6	7	8	
Remote Control	Selection	1	2	3	4	5	6	7	8
	Open	◀▶	◀▶	◀▶	◀▶	◀▶	◀▶	◀▶	◀▶
	Close	▶◀	▶◀	▶◀	▶◀	▶◀	▶◀	▶◀	▶◀
	Stop	STOP	STOP	STOP	STOP	STOP	STOP	STOP	

Table 1: Information for the Operation of the Remote Curtain System

### 3.10 Reset Switch Control

the power for the corresponding switch control should be TURN OFF for 10 seconds when it is necessary to change the curtain no.



Figure 10 Switch Control



Figure 12 Remote control



Figure 11 System Control Pad

Open / Close      ◀▶ / ▶◀  
 Stop                      **STOP**

The system control pad is shown in figure 11

### 3.11 Methods to Control the System

the window curtain treatment system can be controlled by remote control, manually and control pad attached to the system.

NOTE: Only ONE of the following method can be used at any time and do not pull the curtain force otherwise the curtain will fall off the pulleys.

#### 3.11.1 Remote Control

The procedure to operate (open/close) curtain No.1:

- (1). Press button No.1 on the remote control;
- (2). Press ◀▶ / ▶◀ for open/close;
- (3). Press **STOP** to stop the operation.

The operation is similar for other curtain numbers. If the **STOP** key does not press, then the curtain will continue to open (close) until it is fully opened (closed). The system will stop automatically when it is fully opened(closed).

Warning: The system is designed only for eight systems per room. The systems with the same number of setting will be operated at the same time.

#### 3.11.2 Manual Control

The system is also designed to draw by hand for open and close.

#### 3.11.3 System Control

There is a control pad attached to the transmission box.

The operation procedures are follow, the system control pad is shown in Figure 11.

## 4. Troubleshooting of remote control power window curtain treatment system

- 1、 Q. Cannot control the specific curtain.  
 R. The curtain number does not set properly.  
 S. Reset the switch.
  
- 2、 Q. Remote control and manual control does not working  
 R. Problem with supply of electricity, batteries for the remote control and receiver.  
 S. Check the supply of electricity, the socket, the batteries in the remote control, remove any obstacle object away from the receiver.

3. Q. The transmission box does not stop automatically when the curtain is fully opened or closed.  
R. The wire is coil and/or not taut.  
S. Check if the wire is coiled and/or increase the taut of the wire.
  
4. Q. The curtain cannot be drawn by hand  
R. Trouble with installation, the wire twisted itself and/or the wire twisted with the track.  
S. Check the track and the wire.

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

One Year Limited Warranty for the remote window curtain treatment system. The products are inspected and tested before delivery. 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. The warranty does not apply where:

1. Repairs have been made by others
2. Repairs have been attempted by others.
3. Repairs are required due to normal wear and tear.
4. The product has been misused.
5. The product has been improper installed or installed by force.
6. The product has been modified other than the instruction from this manual.

Warranty are only apply to this product and does not apply to any damages due to installation, improper installation, use and misuse of this product. The sale of this product does not include the assemble, disassembly and reassembly of the equipment or parts.

### **6. Disclaimer**

HC CHINA reserves the right to make product specification changes without prior notice.

HC CHINA reserves the right to make any corresponding changes or improvement on items, accessories that were sold before and to stop production of models or accessories without prior notice.