

HONET
Intelligent Curtain Motor Manufacturer

HONET

HC - M 510 / 520 / 530
Instruction



Warranty period

HC - M 510 / 520 / 530 series motors carry _____ years warranty from the date of purchase.
Factitious damage and dismantle are exclusive of warranty.

Date of Purchase: _____

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Specification

Drive

	HC - M 510	HC - M 520	HC - M 530
Rated Voltage	110-240VAC	110-240VAC	110-240VAC
Rated Frequency	50/60Hz	50/60Hz	50/60Hz
Rated Current	0.8A	1.2A	1.8A
Rated Torque	0.8Nm	1.2Nm	2.0Nm
Rotational Velocity	112rpm	112rpm	112rpm
Speed	0.16m/S	0.16m/S	0.16m/S

Remote

Transmit Intensity	80m
Transmit Modulate	433.92MHz ± 75MHz
Modulation	ASK
Battery	CR2032 × 1
Channel	16

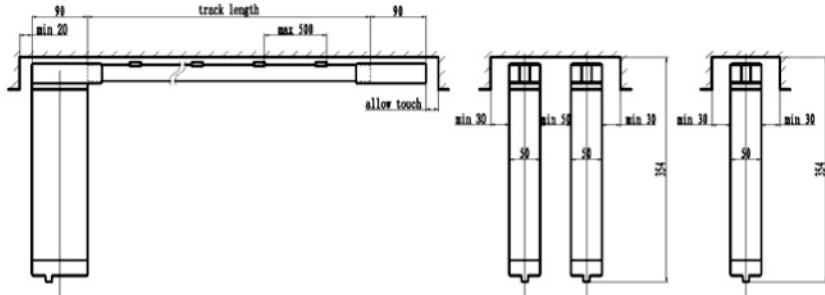


Features

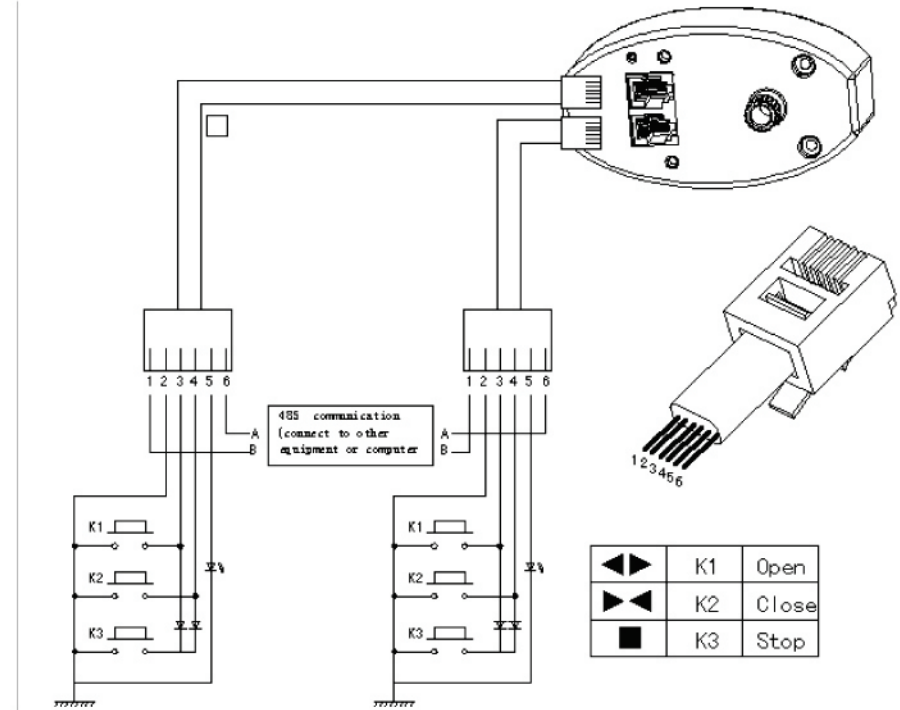
1. Touch function: When the touch function is activated, the curtain can run automatically when you pull the curtain.
2. Manual operation: Adopts most advanced clutch technology, the curtain can be pulled by hand stably in case power off.
3. Intermediate position: You can set two intermediate stop positions.
4. Fabric back release: If the automatic limit makes the fabric tilting due to extrusion, you can adjust the limit slightly by yourself to avoid the tilting.
5. Automatic limits on end stop: Built-in intelligent inspection program, it can detect the length of track and set the limit automatically.
6. Soft start、Soft stop: Infinitely variable speed design, it makes the soft start and soft stop very fairly, and can avoid the damage to the motor due to the collision.
7. Limits intelligently recover: Built-in limits self-inspection and self-recovery program, ensure the precision of the limits, avoiding the damage to motor caused by the confusion of limits due to wrong operation.
8. Factory reset: It is very easy to be back to initialization status by one key confirmation only by remote, it can help your customers solve some simple malfunction(due to their wrong operation) by themselves.
9. Control: Radio, dry contact, RS485 communication.

Installation

Size: Please keep enough space for the motor and fabric as below.(Unit: mm)



Control model



◀▶	K1	Open
▶▶	K2	Close
■	K3	Stop

Usual malfunction

Malfunction	Possible reason	The way for obviating malfunction
Motor no action	Power supply failure	Check the power supply
Motor can not get to the expected position	The limits confused due to wrong operation	Cut off the power for 5S at least or initialize the limits
Motor without action controlled by switch	The cable or switch is broken.	Check the cable and switch
Remote control fail	The current channel is not the right channel saved by motor	Press " ^ " or " v " to choose the right channel
	Battery insufficiency	Change the battery
	Battery electrodes reversed	Change the battery electrodes
	Too distant range	Do not use the remote beyond the control range
Motor stops midway	The fabric too heavy	Check the weight of fabric if beyond the Max. load capacity of motor
	Fabric blocked	Check if the track or the fabric is blocked.
Other malfunctions	If above method can not solve the problem, please contact your dealer	

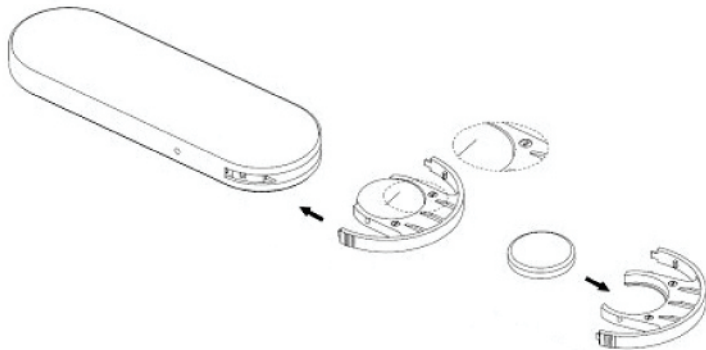
Adjust limits			
1、 Press "<" or ">", let the curtain move to the expected position C	2、 Press "○" for 3S until the digitron twinkles, it shows "A01"。	3、 Press ">" until it shows "C01"。	4、 Then press "○" again to confirm, the digitron stop twinkling, and shows "-01", and the curtain also will move left and right slightly, the new limits setting is finished

*Touch function can be activated and cancelled. (The default is activation)

Activate touch function		
1、 Press "○" for 3S until the digitron twinkles, it shows "A01"。	2、 Press ">" until it shows "Had"。	3、 Then press "○" again to confirm, the digitron stop twinkling, and shows "-01", and the curtain also will move left and right slightly, the touch function is activated.

Cancel touch function		
1、 Press "○" for 3S until the digitron twinkles, it shows "A01"。	2、 Press ">" until it shows "Had"。	3、 Then press "○" again to confirm, the digitron stop twinkling, and shows "-01", and the curtain also will move left and right slightly, the touch function is cancelled.

Battery installation



Attention

- 1、 The size shown by above is the required Min. size, you should keep more space if possible.
- 2、 The track can be cutted into section for easy transportation, and must be connected by professional track joiner(011210190), and should fix it by screw. The cut must be smooth and neat, to make sure the carrier runs smoothly.
- 3、 The load capacity of each ceiling bracket is 3kg, the distance between two brackets should not be more than 0.5m, if the fabric too heavy, you can increase the bracket.
4. Load Capacity

LS-M510 LOAD CAPACITY	4m	6m	8m	12m
	35kg	30kg	20kg	-
	25kg	15kg		
LS-M520 LOAD CAPACITY	4m	6m	8m	12m
	50kg	40kg	30kg	20kg
	40kg	30kg	20kg	
	25kg	20kg		
	25kg	20kg		
LS-M530 LOAD CAPACITY	4m	6m	8m	12m
	70kg	60kg	50kg	30kg
	60kg	50kg	40kg	
	50kg	40kg	30kg	


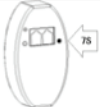
Operation

Before using remote control functions, you must perform channel setting as below, the remote has 01-16 channels, each motor can record max.16 channels, one channel also can control many motors synchronously.

Channel setting			
1、 Press "^" or "∨" to choose the channel 01-16. Such as "-01"。	2、 Press the learning key on the bottom of motor for 3S until green light on	3、 Press the channel setting key of remote, the first digitron will twinkle, and the green light of motor also will twinkle, it means the motor got the code from remote	4、 Press the learning key to confirm, then the green light off, channel setting finished.

Attention :

1. After pressing the learn key of motor, you should press the channel setting key of remote within 15S, otherwise, the indicator of motor will be off and quit learning code. If the motor red light twinkles, it means this channel already saved by motor.
2. After finish of channel setting, install the motor on the track, press "<" and ">", the motor will run slowly to inspect and memorize the length of the track first, then run by normal speed after finish of limits setting. If you need to delete the limits, you can cut off the power for 5S or do factory reset.
3. If the motor ever used on other track, you need to initialize the motor as below.

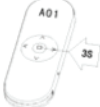


System initialization	
	
1、 Press learning key for 3S until the green light on, then release	2、 Press learning key for 7S until the red light on, then release, all the former setting including the channel are deleted, and the motor come back factory reset status.

The system has many functions, the way to enter the function is: Press "○" for 3S until digitron twinkles, the display shows "A01", press ">" to choose different function, they are "A01", "b01", "C01", "L01", "000", "Had", these are: "A01: intermediate A setting", "b01: intermediate B setting", "C01: Fabric back release", "L01: change direction", "000: factory reset", "Had: touch function On/Off"

Attention




- 1、 Under setting status, the remote will quit the setting if it is without confirmation in 7S.
- 2、 Under setting status, it will quit when you press "<".
- 3、 Under setting status, press "○" means entering the function setting or confirm the function, the function will not be available without confirmation.

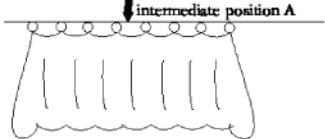


*If the limits confused due to wrong operation, there are two way to reset the limits, one is cut off the power for 5S, two is by limits initialization by remote as below.

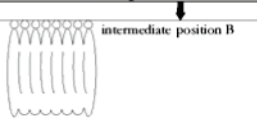
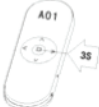


Limits initialization		
		
1、 Press "○" for 3S until the digitron twinkles, it shows "A01".	2、 Press ">" until it shows "000".	3、 Then press "○" again to confirm, the digitron stop twinkling, and shows "-01", and the curtain also will move left and right slightly, the limits initialization is finished.

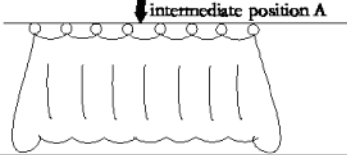

Reminder: Initialize the limits by cutting off the power, all the former function setting are all kept, such as intermediate position, direction, C position limit; Initialize the limits by "000", all the former function setting will be all deleted, you need to reset these function.

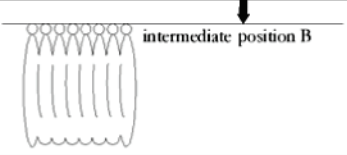
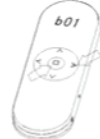
*If the curtain moving direction converse with "<" ">", you can change the direction as below.

Change direction		
		
1、 Press "○" for 3S until the digitron twinkles, it shows "A01".	2、 Press ">" until it shows "L01".	3、 Then press "○" again to confirm, the digitron stop twinkling, and shows "-01", and the curtain also will move left and right slightly, the direction is changed.

Set intermediate position A		
		
1、 Let the curtain move to the expected position A.	2、 Press "○" for 3S until the digitron twinkles, it shows "A01".	3、 Then press "○" again to confirm, the digitron stop twinkling, and shows "-01", and the curtain also will move left and right slightly, intermediate position A setting finished.

Set intermediate position B			
			
1、 Let the curtain move to the expected position B.	2、 Press "○" for 3S until the digitron twinkles, it shows "A01".	3、 Press ">" until it shows "b01".	4、 Then press "○" again, the digitron stop twinkling, and shows "-01", and the curtain also will move left and right slightly, intermediate position B setting finished.

Move to intermediate position A	
	
1、 Let the curtain move to anywhere.	2、 Press "<"+ "○" at the same time, the curtain will move to intermediate position A automatically.

Move to intermediate position B	
	
1、 Let the curtain move to anywhere.	2、 Press "<"+ "○" at the same time, the curtain will move to intermediate position B automatically.

*If the fabric is very heavy, the fabric might be rebound when the limits automatically set by system, you can adjust the limit slight by remote to avoid rebounding to keep the fabric plumb.