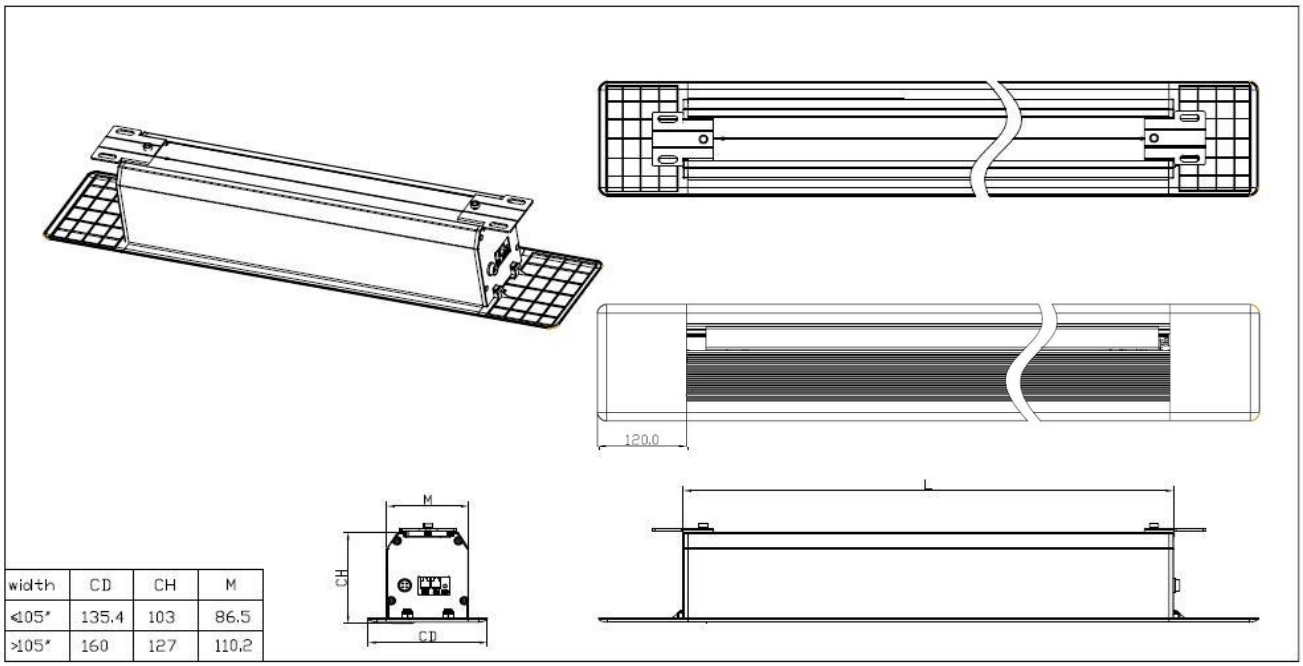
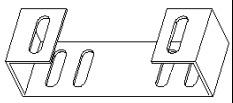
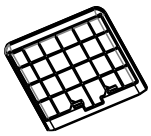
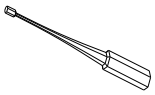
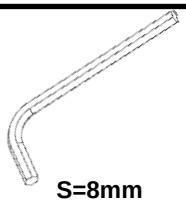
User Manual for Premier In-Ceiling Projection Screen

1. Product Dimensions:



width	CD	CH	M
≤105"	135.4	103	86.5
>105"	160	127	110.2

2. Accessories:

A  Mounting Bracket x 2	B  Access Panel x 2	C  S=5mm	D  1m Anchor Rod x 4	E  Anchor Bolt x 4	F  S=5mm
G  Trigger Cable	H  Central Control Cable	I  Control Panel	J  Power Cord	K  RF Transmitter	 S=8mm

3. Installation Procedure:

Step 1: Measure the overall length of the product (L), prepare a false ceiling opening at size L+190mm x（CD-25mm）. (See Fig.1)

Step 2: Loosen the locking screw and slide out the mounting plates to both end of the housing. Make sure the mounting holes are not blocked by the housing. (See Fig.2)

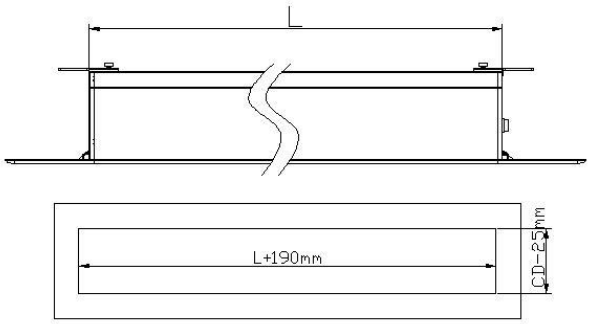
Step 3: Drill 4 holes on the concrete ceiling and install the anchor bolt provided. The distance between the anchor bolts should be L+40mm x 94mm. Then, install the mounting bracket and anchor rods (See Fig. 3)

Step 4: Insert the projection screen into the ceiling opening, make sure 4 anchor rods pass through the holes on mounting bracket. Install a nut onto each end of anchor rod, avoiding the screen fall down from the false ceiling. (See Fig.4)

Step 5: Rotate the nuts on anchor rod in order to adjust the horizontal alignment. (See Fig.5)

Step 6: Install the access panel on both end of the housing. (See Fig. 6)

Step 1: Prepare a false ceiling opening



False ceiling opening size = L+190 x (CD-25)mm

Fig.1

Step 2: Slide out the mounting Plate

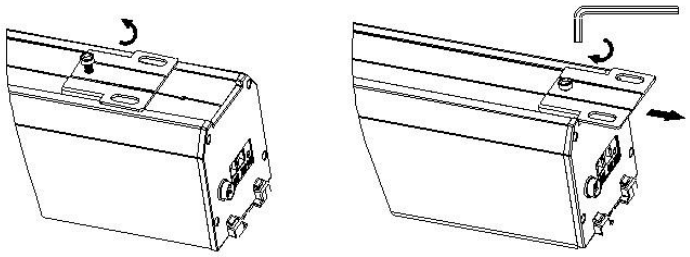
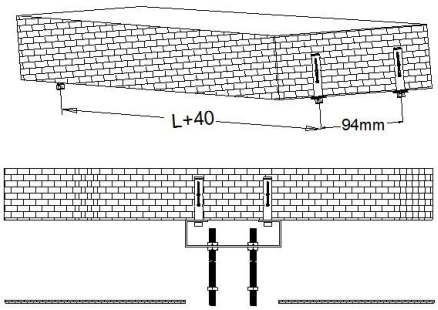


Fig.2

Step 3: Installation Anchor Bolts, mounting bracket & anchor rods



Anchor Bolt Distance = L+40 x 94mm

Fig.3

Step 4: Installation of projection screen

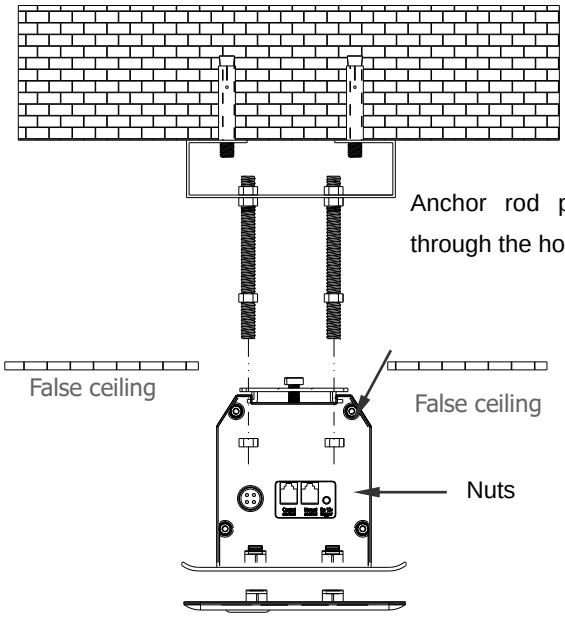


Fig.4

Step 5: Alignment

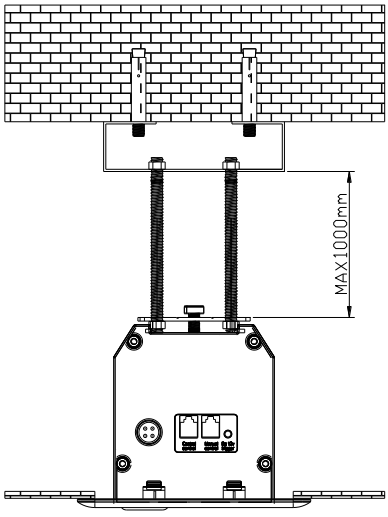
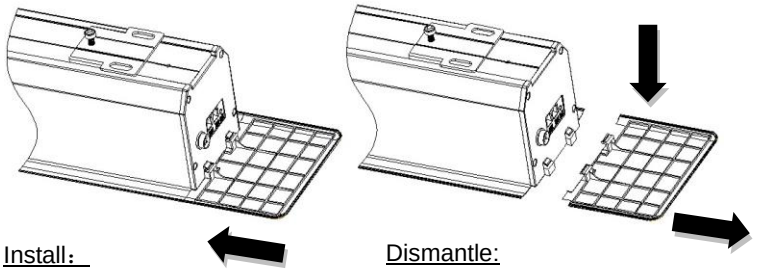


Fig.5

Step 6: Install the access panel



Install:

Push towards the housing

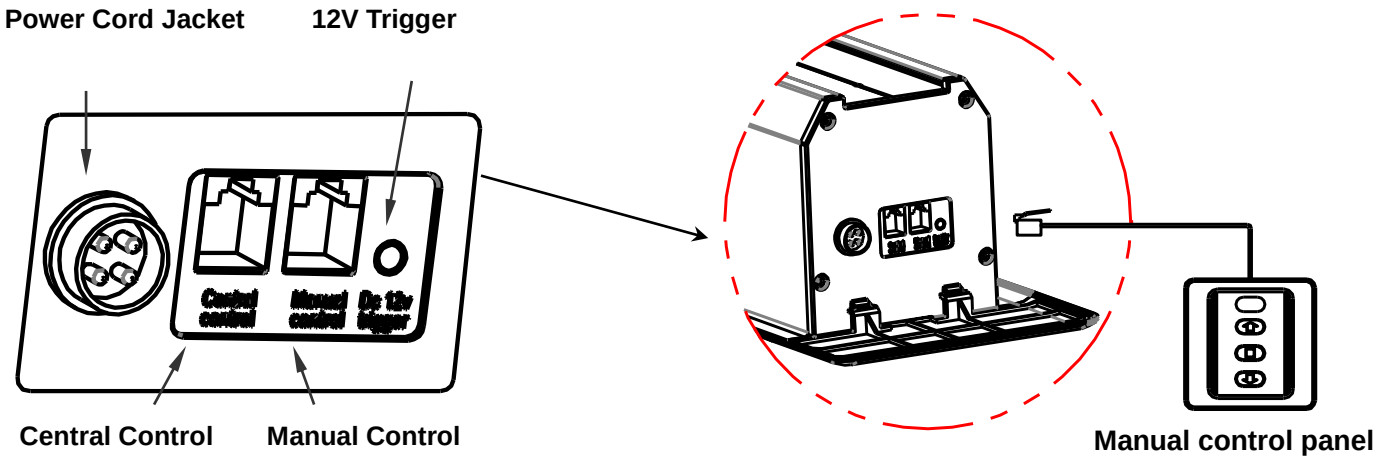
Dismantle:

Pull down and away from housing

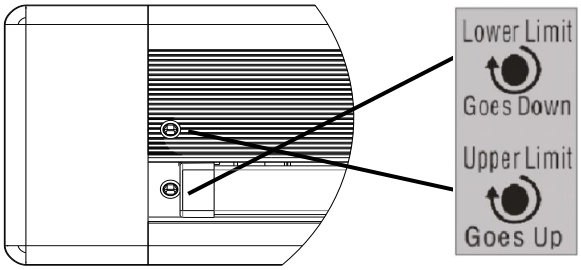
The clicks on the access panel should be in-line with the housing end.

Fig.6

4. Connection and Control:



Upper / Lower Limit Adjustment



Lower limit — Adjust the stopping level of slat when fully extend. Turn “lower limit” switch in clockwise direction let the slat go closer to the ground

Upper limit — Adjust the stopping level of slat when fully retract. Turn “upper limit” switch in clockwise direction let the slat go closer to the casing

RF Control

To lower the projection surface

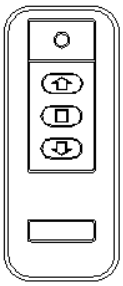
Press the “⇩“ button on the transmitter, and the screen will fully extend till the lower limit switch activates.

To retract the projection surface

Press the “⇧“ button on the transmitter, and the screen will fully retract till the upper limit switch activates.

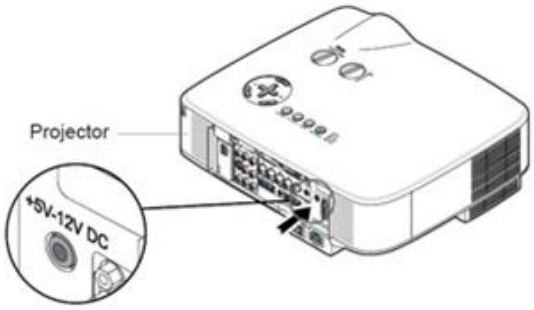
To stop the projection surface

Press the “ □ “ button on the transmitter to stop the screen at desired position.



12V Trigger from devices (e.g. Projector)

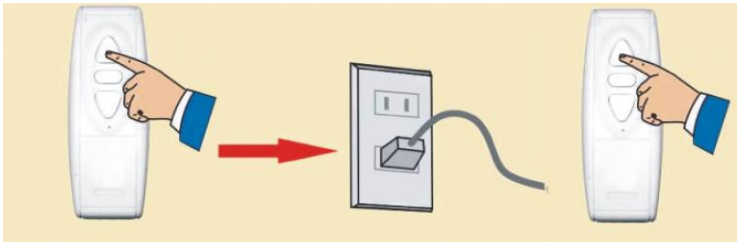
12V trigger cable



Insert the 3.5mm jack plug into the Jack socket of equipment such as a projector. (This is just for the equipment with trigger control functions)

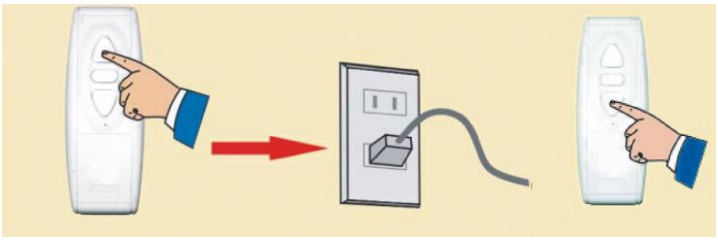
RF Coding & Decoding

Coding



1) Press ”UP” button of the transmitter for 3S, the LED indicator blinks 3 times then lights up, keep holding the “UP” button.
2) Connect the Lift to power source.
3) Release “UP” button.
4) Press the “UP” button once, coding process complete.

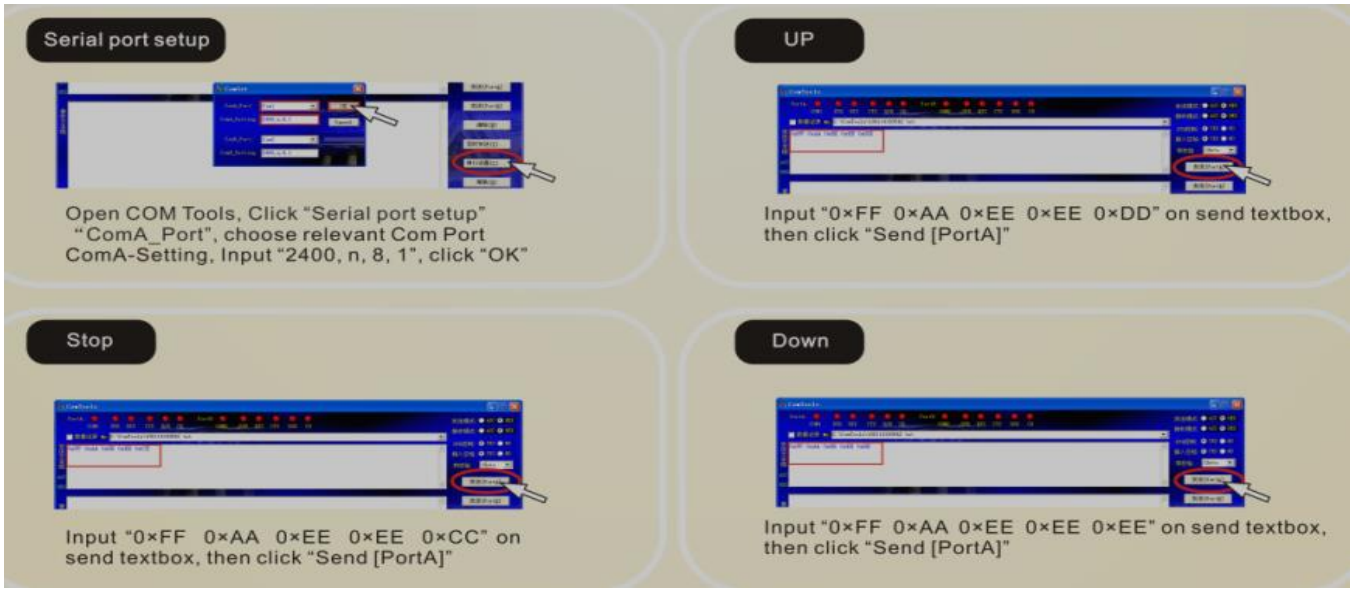
Decoding



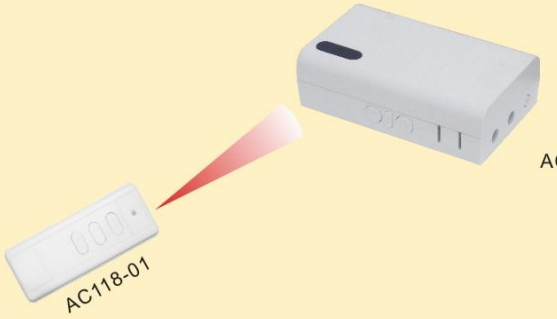
1）Press ”UP” button of the transmitter for 3S, the LED indicator blinks 3 times then lights up, keep holding the “UP” button.
2）Connect the Lift to power source.
3）Release “DOWN” button and hold until the LED indicator blinks 3 times.
4）Release the “DOWN” button, decoding process complete.

Programmable Central Control

No.	Name	Encoding
1	Serial port setup	2400,n,8,1
2	Up	0xFF 0xAA 0xEE 0xEE 0xDD
3	Stop	0xFF 0xAA 0xEE 0xEE 0xCC
4	Down	0xFF 0xAA 0xEE 0xEE 0xEE



Curvature will appear in the edge of fabric when fabric is extended completely, it is a quite common phenomenon and the curvature will gradually disappear after you hang the screen for about ten minutes.



Ⅰ. Features

- ❄ Co-work with all tubular motors;
- ❄ Available to connect with manual switch;
- ❄ Impulse current resistant relay;
- ❄ Industrial standard CPU;
- ❄ Adopted SMT (surface mounted technology) which is featured precisely and automatically, and with damp-proof treated surface;
- ❄ Possess the running direction changing button;

Ⅱ.Parameters

Model No.	Working Voltage	Working Temp	Effective Distance	Maximum Power	Frequency	Operation
AC202-03 +AC118-01	230VAC 50Hz	0℃～+70℃	⩾10M	⩽300W	38KHZ	Infrared

⚠ Installation note

*Besides the Standard of Electric Safety, please follow:

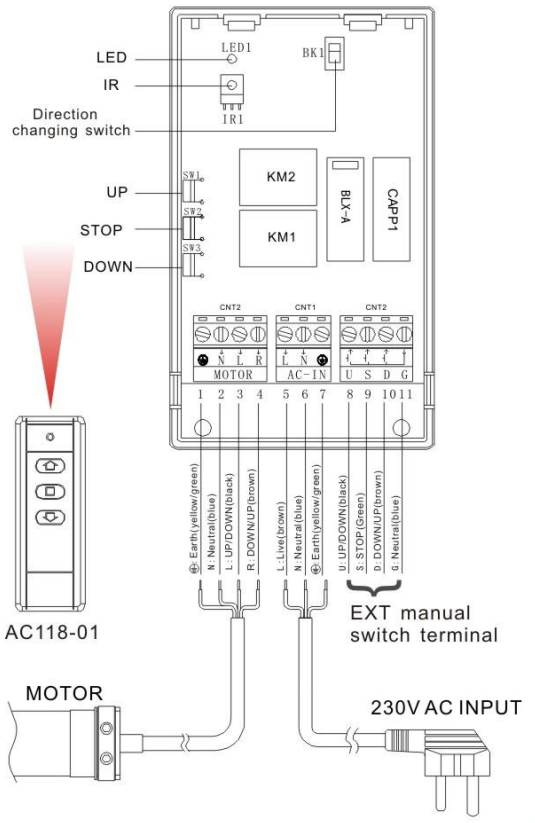
Make sure the power is under cut-off situation before wiring

Avoid static disturbance which would damage electronic components

Earth wire is needed

Avoid its touch with metal object, or it will affect the effective distance

III.Diagram for installation and wiring



AC118-01 infrared transmitter

Operation guide

(1) Remoter control (transmitter)

1.Press UP button, fabric or door will be rolled upward;

2.Press STOP button, motor will stop running;

3.Press DOWN button, fabric or door will be rolled downward;

(2) Manual button control (receiver):

1.Press UP button, fabric or door will be rolled upward;

2.Press STOP button, motor will stop running;

3.Press DOWN button, fabric or door will be rolled downward;

(3) Motor running direction changing (please see picture at left)

(4) Slide Dial Switch BK1 to change motor running direction.

Wiring guide

Motor wiring terminal	Power wiring terminal	EXT manual switch terminal
⏚: Earth(yellow/green)	N : Neutral(blue)	U : UP/DOWN(black)
N : Neutral(blue)	⏚: Earth(yellow/green)	S : STOP(Green)
L : UP/DOWN(black)	L : Live(brown)	D : DOWN/UP(brown)
R : DOWN/UP(brown)		G : Neutral(blue)

AC202-02Radio Receiver Manual V1.0.2

1. Features

- Work with all A-OK tubular motor
- SMT machine automatical assembly, dampproof craft
- Support of IR,RF,Manualcontrol and DC12V trigger
- Work with motorized projection screen, motorized awning, roller blinds etc

2. Parameters

Model No.	Voltage	Temperature	Receive distance	Loading Power	Frequency	Operation Mode
AC202-02	230VAC 50Hz	-40℃ ~+85℃	RF ≥ 80M IR ≥ 8M	≤500W	RF 433.92HZ IR 38KHZ	RF, IR and Manual control, DV12V trigger

Warning

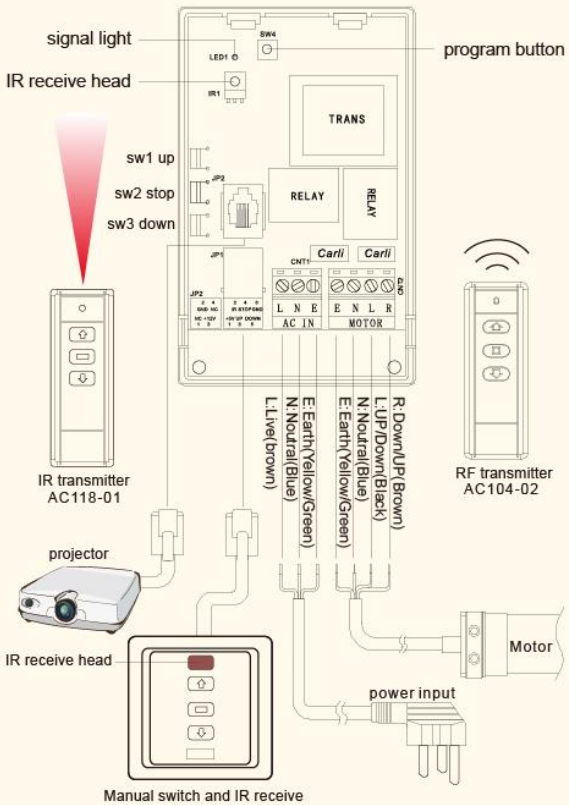
Power off before wiring

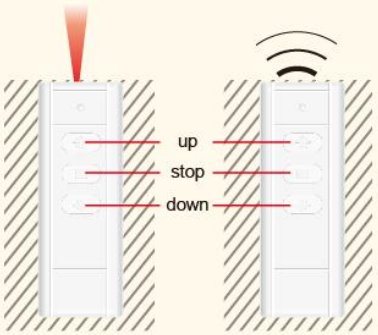
Avoid static damage

Earth wire must be connected well and correctly

To keep good control range, avoid connect metal parts

3. Wiring





Manual pulse Switch
AC112-04

Manual switch operate instruction:
1:press up key less than1's the motor run up,more than 1's then loose up, the motor stop
2:press down key less 1's and motor run down,more than 1's loose and motor stop

Wiring

Motor wiring terminal
- E:Earth (Green/Yellow)
- N:Neutral(Blue)
- L:UP /Down(Black)
- R:Down/UP (Brown)

Power wiring terminal
- N:Neutral(Blue)
- E: Earth (Yellow/Green)
- L:Live(Brown)

out-link projector terminal
- NC:empty terminal
- GND: earth wire
- +12V:DC trigger

Manual switch wiring terminal

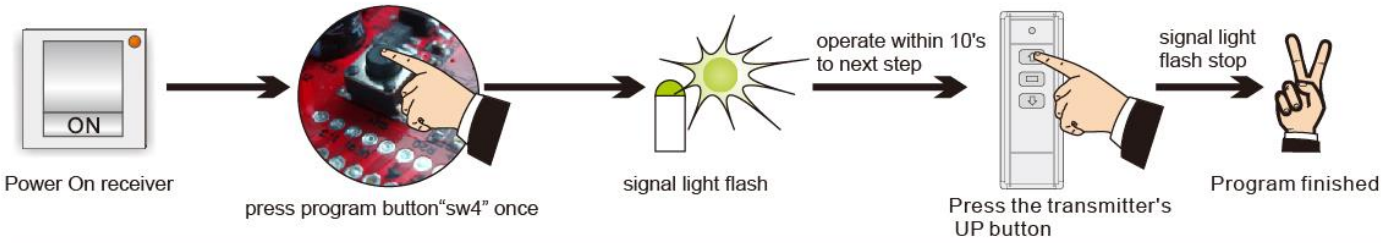
+5V:IR voltage	S:stop(green)
IR:IR signal	D:Down/up(black)
U:UP/DOWN(brown)	G:Neutral(BLUE)

Function Adjustment

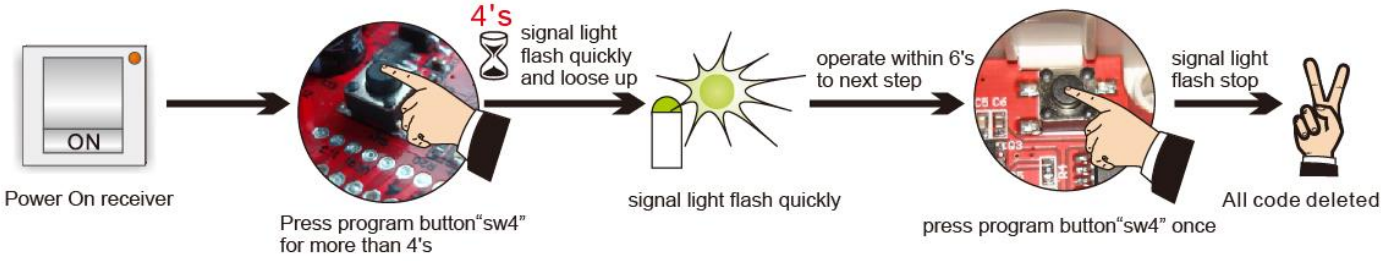
Remark:

①IR remote control must make program (same as RF operation), while within effective range.
②Receiver would come back the original state if there are not any operations within 10's.
③Only total 20 IR or RF transmitter can be programmed with 1 receiver
④The longest working time of motor is 5 minutes

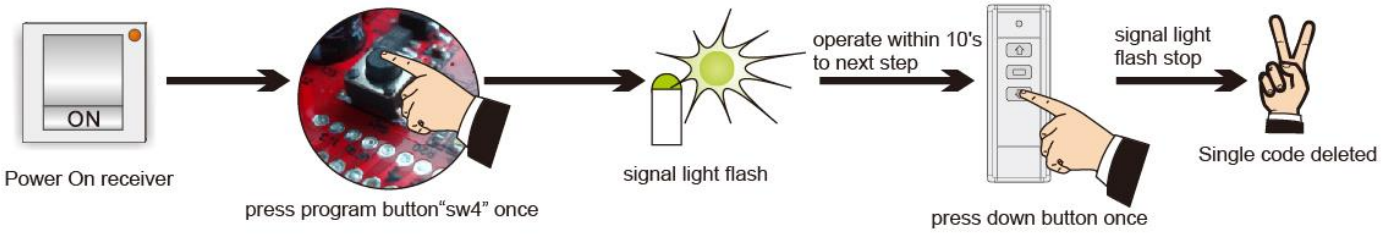
4. Program setting （select delete channel before operation）



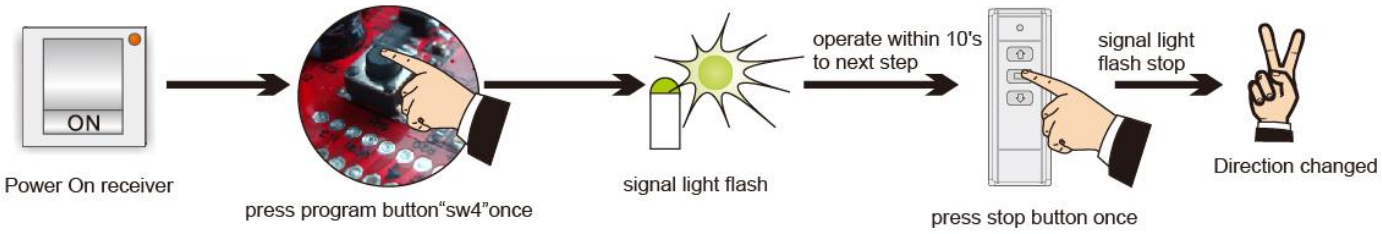
5. Delete all codes on receiver



6. Delete single code on receiver （select delete channel before operation）



7.Change direction



8. Troubles handle

Items	Trouble phenomenon	Test/Solution/ probable cause
1	When operate,the transmitter's LED1 work well ,and the receiver doesn't action	Have a check with the receiver's wiring correct or not ,or the program setting is OK
2	The transmitter's LED isn't bright or dark bright	Check the battery power is Ok or not (The battery install is OK or not)
3	The control system work well ,but the motor is out of working	Checking the motor's wiring correct or not , and the motor had damage or not
4	Press up key,motor run down, press down key,motor run up	set change direction on control or exchange the up and down wire of motor