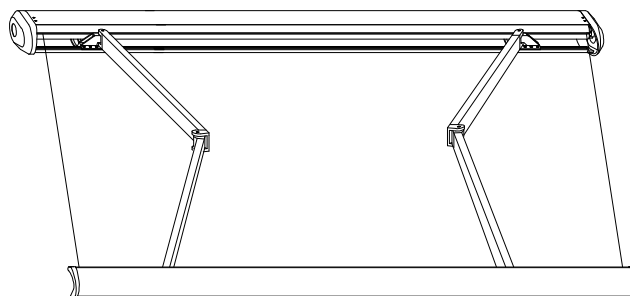


Motorized Cassette Awning

E6100

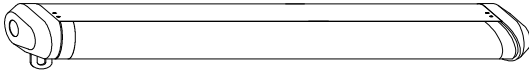




Instruction



ROHS

Installation Instruction for E6100 Cassette Awning

- I. Installation Steps of E6100 Cassette Awning.....2
- II. Installation Guide of DLC-B Controlling board of The Motor Receiver.....9
- III. Installation and Operation Guide of the Wireless Emitter DLC-B.....11

PARTS LIST	ILLUSTRATION
AWNING UNIT	
METAL WALL BRACKETS	
METAL WALL BOLTS	
TUBULAR MOTOR	
REMOTE CONTROL	

Installation Steps of E6100 Cassette Awning

These instructions apply to all sizes of E6100 awnings.

TOOLS REQUIRED

- To fit your awning, you will need the following list of tools :
- 14mm Masonry Drill Bit
- Chalk or Pencil
- Spirit Level
- Socket tool set in millimeters
- Adjustable Spanner (not essential, but is helpful during fitting)

WARNING

This awning is heavy. Two people are required to lift the awning into position once the brackets are fitted to the wall. DO NOT attempt to lift the awning unit into position without assistance as dropping the unit is likely to cause serious damage to the product and could result in serious injury.

DO NOT allow children or pets to play in the working area during assembly and fitting.

DO NOT allow children to play with the winding handle once the unit is fitted. Keep the winding handle out of children's reach at all times.

Ensure your hands are kept clean during fitting; this will prevent the awning fabric and frame becoming dirty.

The awning frame is supplied with a clear plastic wrapping. This should be removed after fitting.

Plastic bags used in the packing of this product can be dangerous to children and babies. Keep out of the reach of babies and children to avoid risks of suffocation.

STEP 1

Carefully remove awning from the carton box and slide the polystyrene end blocks away from the awning unit.

Remove plastic bag and plastic ties from the awning and place the awning unit to one side ensuring the unit will not become scratched, damaged or dusty during works.

Decide how high you intend to secure the awning to the wall. If fitting above a patio door, then this should ideally be at least 20cm above the door frame if there is sufficient space above the frame to allow fitting.

The approximate total drop of the awning can be adjusted.

Ensure you have calculated for this drop in height when deciding how high to secure the awning to the wall.

The angle of drop can be slightly adjusted after fitting, but the most ideal drop angle is pre-set at the factory and should not require any major adjustment.

STEP 2

Draw a horizontal line in the position of the top of the brackets as shown in the diagram. This should extend the full distance of the awning and is best done using a long ruler, spirit level and some chalk to mark the wall.

The quantity of the wall brackets is basis on the size of the awning:

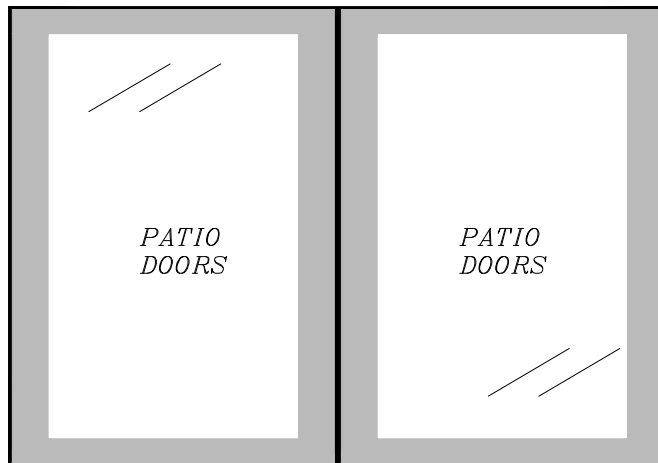
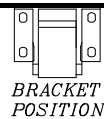
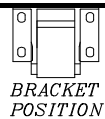
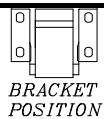
The 2.5 x 2m, 3 x 2m and 3.0 x 2.5m awning are complete with 2 wall brackets, one fitting on each end of the Awning Torsion Bar.

The 3.5 x 2.5m, 3.5 x 3m, 4 x 3m Awning are complete with 3 wall brackets, one fitting each end of the Awning Torsion Bar, and one fitting in the middle of the Awning Torsion Bar.

The 5.0 x 3.0m, 5.5 x 3m, 6.0 x 3.0m Awning are complete with 4 wall brackets, two fitting on each end of the Awning Torsion Bar, the other two fitting near the middle of the Awning Torsion Bar.

The end fitting brackets should be located approximately 12cm from the ends of the Awning Torsion Bar, but can be adjusted a little closer or a little further away if necessary. Moving the location of the wall brackets slightly inwards or outwards may be necessary due to the position of the bricks in the wall, or any supporting wall studs.

CHALK LINE (USE SPIRIT LEVEL FOR ACCURACY)



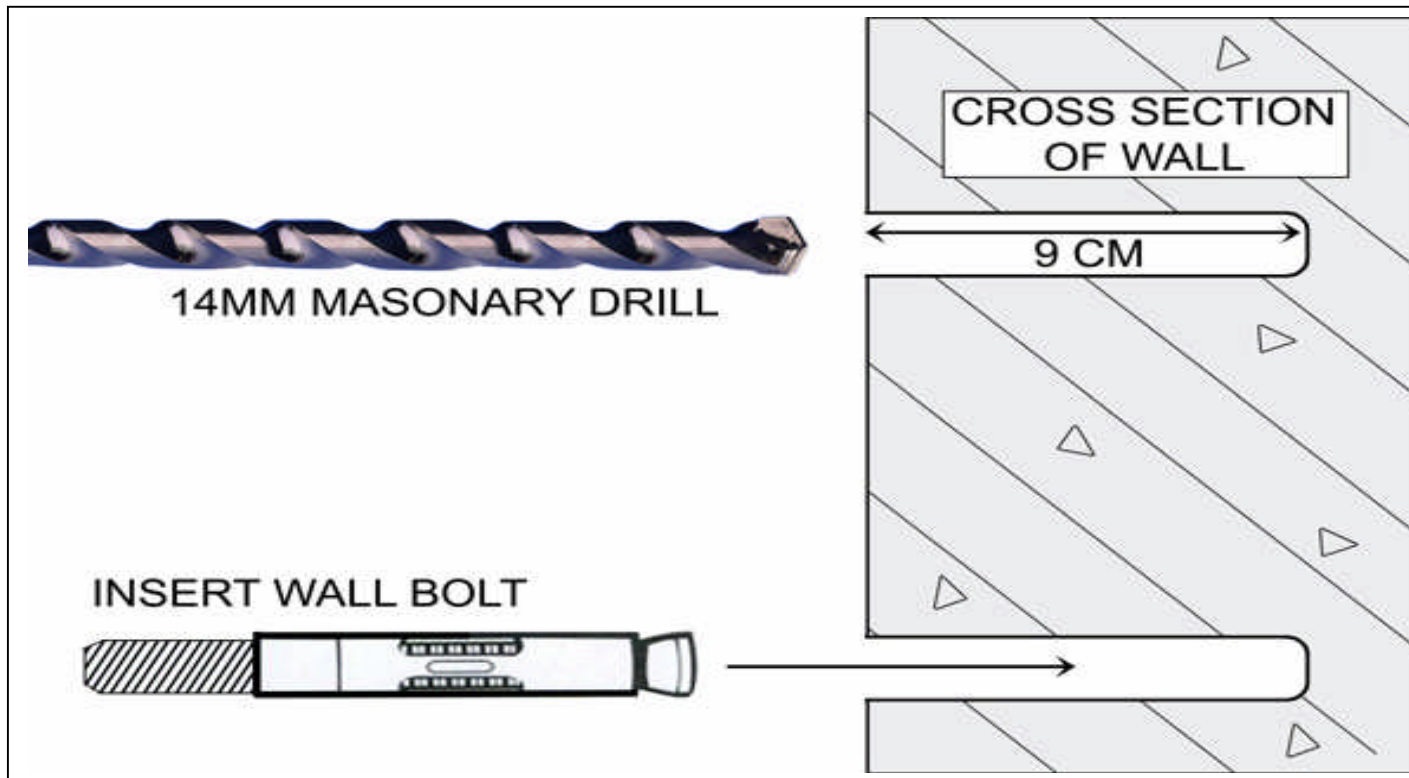
STEP 3

Using a hammer action drill and a 14mm Masonry Drill Bit, drill the holes into the wall in the positions of the holes in the Awning Brackets.

The holes should be drilled 9 cm into the wall ensuring that the hole goes through solid brick or concrete. Do not drill through mortar as this will not provide satisfactory strength to hold the wall bolts.

USEFUL TIP

To ensure the depth of the hole is accurate, measure 9cm from the end of the Drill Bit with a ruler and wrap some tape around the Drill Bit in this position. When the tape marker is level with the wall, you have reached the correct depth.



STEP 4

After inserting the Wall Bolts, slide the washers over the bolt heads followed by the Wall Bracket. Slide the remaining Bolt Washers over the Bolt heads and tighten securely the 17mm Nuts.

NOTE

It might be necessary to tap the Wall Bolts into position with a wooden faced mallet as the fit might be fairly tight. Avoid using a metal faced hammer as this might damage the threads on the top of the bolt shaft.

If the bolts require tapping into the wall with a mallet, it is recommended the Nut be loosely screwed on top of the bolt first (almost flush with the end of the bolt shaft) as this will further prevent damage to the threads on the bolt shaft during insertion.

Tighten the Wall Bolt Nuts securely with a 17mm Hexagonal Spanner. It is better to use a closed ended spanner rather than an open ended spanner to avoid spanner -slip damage to the Nut.

When bolted into position, the brackets should be tight against the wall. If any movement is detected, further tighten the nuts.

DO NOT ATTEMPT TO FIT THE WALL BRACKETS TO LOOSE BRICKS OR SURFACES THAT ARE NOT OF SOUND CONSTRUCTION.

ENSURE THE WALL BRACKETS ARE WELL BOLTED TO THE WALL TO PREVENT THE BRACKETS FROM FALLING AWAY FROM THE WALL WHEN THE AWNING IS FITTED.

STEP 5

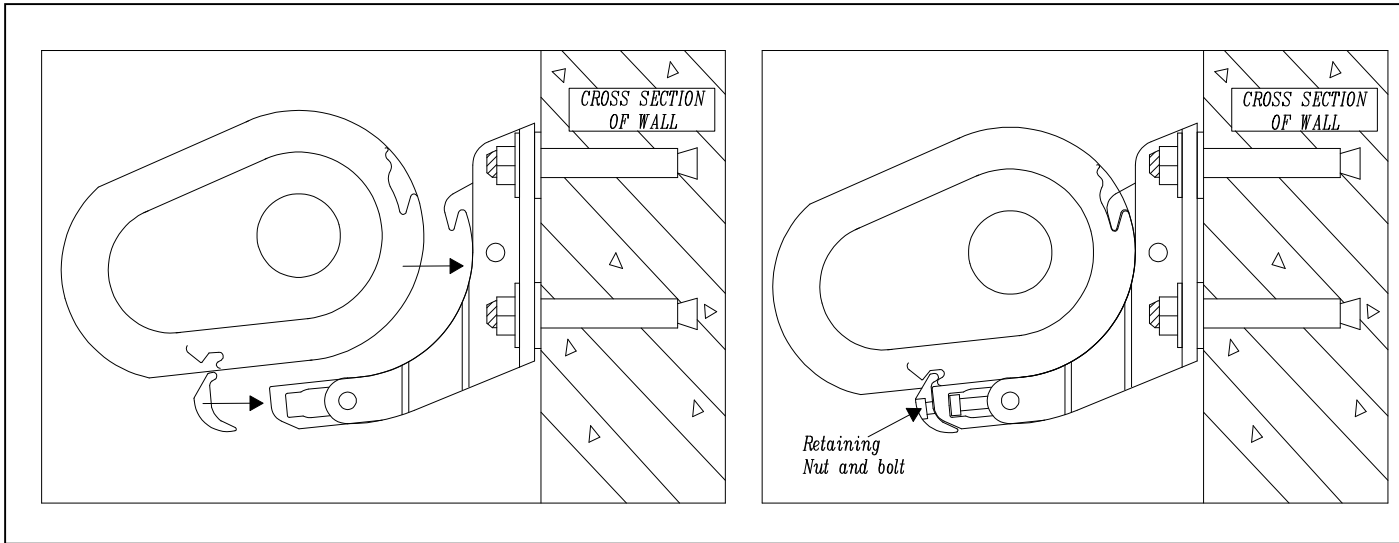
Your Awning is now ready to be secured to the Wall Brackets.

With at least 2 people, carefully lift both ends of the awning unit the Torsion Bar slides into the Wall brackets.

It will be necessary to use 2 sets of ladders or step stools to lift the awning unit to the required height. Ensure the steps or ladders are safely positioned and well secured to avoid slipping or injury. **Always use ladders or steps of the appropriate rating for the job.**

WARNING

This Awning unit is heavy, do not attempt to lift this unit onto the wall brackets without assistance from a second person.



STEP 6

Remove the restraint straps from around the awning unit if not already done so. Locate the Winding Handle into the Crank Hole on the side of the awning. Open the awning (by turning the Winding Handle anti-clockwise) until the arms are at their maximum extension. Wind back a little to keep the fabric cover tight.

STEP 7

ADJUSTMENT OF TILT ANGLE

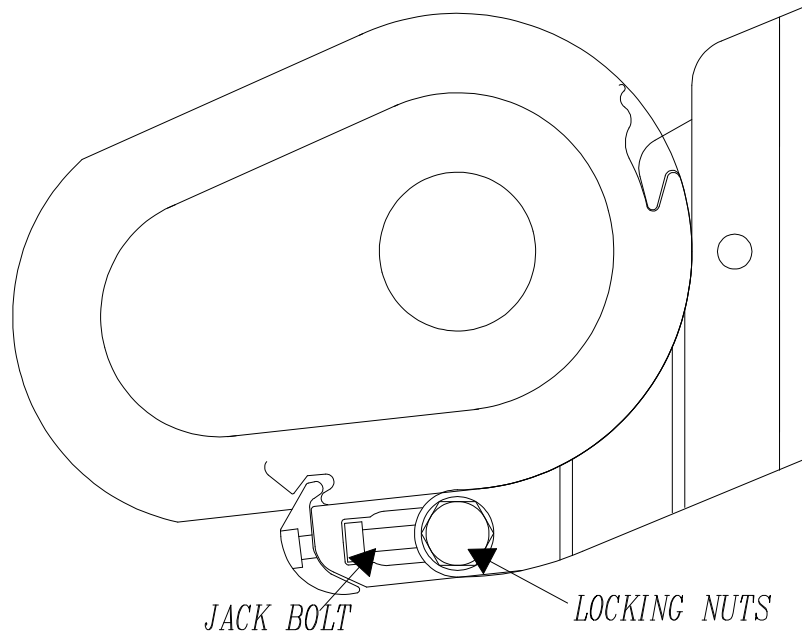
The awning is supplied with the most ideal pre-set angle of tilt.

The angle can however be adjusted by loosening the 4 x 17mm locking nuts on the sides of the arms and then turning with a spanner the 2 x 13mm Jack Bolts to the desired angle.

To ensure both sides are perfectly level, there is a built in spirit level on the front bar of the awning and the air bubble should be located exactly in the middle of the level.

Once adjusted, securely tighten up the 17mm Locking Nuts.

DO NOT operate this awning unless the arms are perfectly level as this will cause premature damage to the frame and arms.



STEP 8

Limit adjustment

Our tubular motors have been adjusted to the best state in our factory, so you need not to adjust it in the process of using.

Hereinafter adjustment methods are suitable for tubular motors:

Confirm the adjustment vent you are adjusting according to the motor moving direction, “+” for increasing distance, “-” for decreasing distance.

Do again as step one. See diagram (1)

Diagram (1)

- Caution :**
1. Please use special adjusting stick while adjusting the end run;
 2. After installation of tubular motor and before connecting the tube to shutter (or awning), operate motor in the down direction until it stops, install the shutters and operate the motor in up direction, adjust the end run as procedures showed above.

1、 Tips

1. In the inner part of tubular motor is winding thermostat, if motor doesn't work after several times of adjustment, please wait 30 minutes to restart.
2. Must be dependable to connect the ground after the tubular motor is installed.
3. Must not be over loaded and over frequently used so as not to decrease the lifetime of tubular motor.
4. Before the tubular motor rotates, please do not regulate the adjusting vent and crown manually.
5. Tubular motor at delivery, storage and work is not allowed to touch water directly.

2. Enclosures

An adjusting stick.

Push the plastic bolt caps on top of the bolt heads to protect the bolts from weather corrosion.
Your awning is now ready for use.

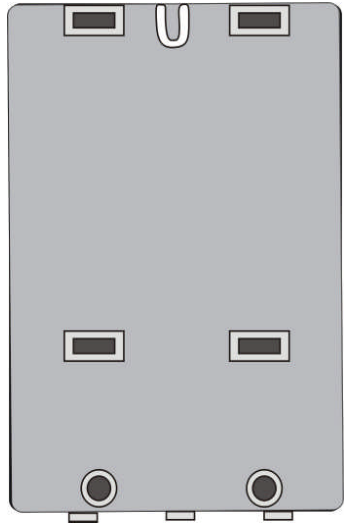
After use, always remove the Winding Handle from the unit and store in a dry safe place.

DO NOT ALLOW CHILDREN TO PLAY WITH THIS AWNING

Installation guide

DLC-B

Motor control receiver (433MHZ)
Product serial number: DLC-B/433



This motor control receiver (433MHZ) is a wireless receiver, which is only compatible with single-channel emitter (433MHZ) and five-channel emitter (433MHZ).

The transmitting distance of the instruction is within 80 meters in the open air through radio wave of 433MHZ. Under the situation of penetrating through concrete wall which is reinforced on both sides, the covering area is at least within 20 meters.

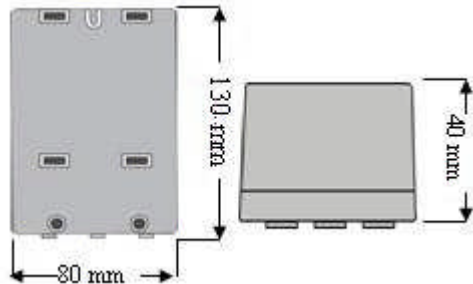
1 Specification

- Power supply: 210-240v□50/60HZ
- Working temperature: -10□ to +50□
- Emission frequency: 433MHZ, super heterodyne receiving; emitter and remote controller can randomly learn to work according to the code, 10 million codes form a group of code and repeating codes will never happen.

2 Installations

Please read the instructions below carefully before installing this receiver.

A: Installing the receiver:



Suggestions:

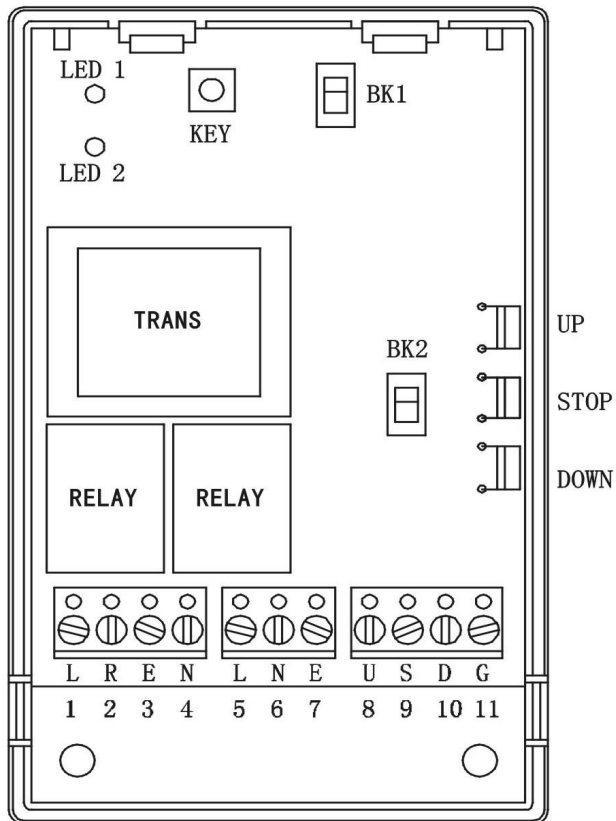
- When installing the receiver, please turn the cable tie-in upside down to prevent water inleakage.
- Please keep the receiver away from metal objects (remote-controlled receiving distance will be affected by the contact.)
- The shortest distance between the receiver and the ground is 150cm
- The shortest distance between the receiver and the roof is 50cm
- The shortest distance between the receiver and the emitter is 50cm
- The shortest distance between two receivers is 20cm.

B: The cable circuitry of the receiver:

The receiver is compatible with all AC motor. The following is the illustration of the cable circuitry. Please follow the rules according to the available electro-standard:

- The main power supply must be disconnected before the connection of the cable.
- Static may destroy some electronic parts, so be careful to avoid the interference of the static.
- Please use flexible cable.

- Make sure the cable carrier is free from longitudinal force.
- Be sure to keep in mind to connect the earth wire.



BK1 : Switch button

UP/DOWN--To switch up/down

It's unnecessary to switch the connection of the cable when changing the rotating direction.

BK2 : Switch button

UP/DOWN-----To switch up/down

Switch button-- to switch the direction of the receiver's manual key only.

KEY : Learning button

LED1 : Red (power)

LED2 : Green (program)

Connection:

1 L : Motor (UP/DOWN)

2 R : Motor (DOWN/UP)

3 E : Earth wire of the motor

4 N : Neutral wire of the motor

5 L : Hot wire of the power

6 N : Neutral wire of the power

7 E : Earth wire of the power

8 U : Manual Forward Switch

9 S : Manual Stop Switch

10 D : Manual Backward Switch

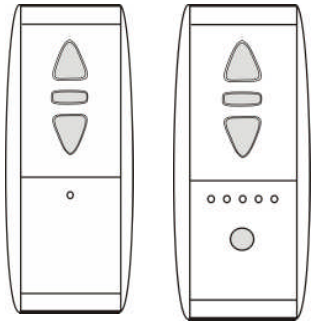
11 G : Manual Switch

3 Troubleshooting

The LED light of the emitter is off.	Please check the battery of the receiver.
The LED light of the emitter is on,	Please check the connection and the receiver, or

but the command cannot be sent.	check the program setting.
The LED lights of the emitter and receiver and they are on, but the motor does not work.	Please check the connection and the main power supply of the motor or check the main power supply.
There is no feedback.	Please check whether the connection is correct or whether the temperature is above the prescribed degree.

Installation and operation guide



DLC-B Wireless emitter

DLC-B emitter (single-channel or five-channel) is a handset emitter compatible with motor control receiver (433MHZ). The command is transmitted through radio wave(433MHZ frequency).

1 Specifications:

- Power supply: 12V li-battery, model CR23A
- IP 30 protecting index: IP30
- Working temperature: +5°C to +40°C
- The third category product
- Working under normal contaminated environment

2 Program setting

A: Remote controller logs on (learns) the receiver

Receiver

Press the learning button (SW5) till the LED light is flashing. Then the receiver is waiting to receive the messages according to the codes of the emitter for 10 seconds. The light will stop flashing after 10 seconds.

Emitter

Single-channel emitter:

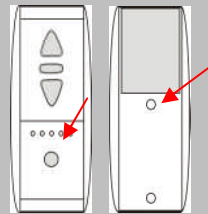
Program setting button is at the back of the emitter. Press this button by ball pen till the LED light of the receiver stop flashing. The coding messages of the single-channel emitter will be stored in the receiver and the receiver will automatically end its programmed coding mode.

Five-channel emitter:

Press the round button on the emitter to choose the channel needed to be stored in the receiver. Press the program setting button by ball pen till the LED light of the receiver stops flashing.

The location messages of the emitter are stored in the receiver and the receiver will automatically end its program setting mode.

Following the same procedure, each channel needed to be stored in the receiver can be chosen. During the procedure, the 5 LED lights are all flashing and the corresponding location messages of the 4 channels will be stored in related receivers.



The receiver memory; at most 20 channels

The receiver can only store 20 channels. If trying to input the 21st channel, the command will be ignored and the LED light of the receiver will stop flashing.

B: Delete stored channel from the receiver's memory

Receiver

Press the learning button (SW5) till the LED light is flashing. Then the receiver is waiting to receive the deleting location message command of the emitter for 1 minute. The light will stop flashing in 1 minute.

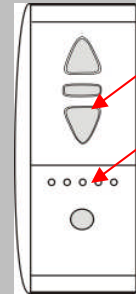
Emitter

Single-channel emitter:

Press the downward button of the emitter till the LED light of the receiver stop flashing. Single-channel emitter's location message will be deleted from the receiver and the receiver will automatically end its program setting mode.

Five-channel emitter:

Press the round button on the emitter to choose the channel needed to store in the receiver. Press the downward button on the emitter till the LED light of the receiver stop flashing. The location message of the emitter will be deleted from the receiver, and the receiver will automatically end its program setting mode. Following the same procedure, every channel can be deleted.



C : Clear up the recorded messages on the receiver

Press the SW5 button on the controlling board and the indicator light will be flashing. Keep pressing the button for 4 seconds and the indicator light will speed up flashing, then leave the finger off the button and press the SW5 button again to confirm. Now the log-on remote controller on the controlling board will be deleted. If there is no repetition of pressing the SW5 button, this option will be canceled.

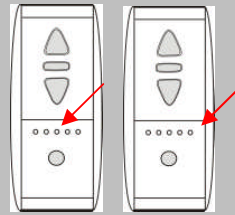
3 Operations

1 Single-channel emitter:

- Press the UP/DOWN/STOP button.
Start the programmed receiver.

2、 Five-channel emitter

- Choose needed controlling channel
Press the round button shown on the right side,
the corresponding LED light will be on in turn and
the present position is recorded.
- Press the UP/DOWN/STOP button.
Start the programmed receiver.



3、 Battery life

The emitter is working with 3V battery (model CR2430). The battery life should be 3 years and is guaranteed the workload of 4 times a day. When the battery is low, the LED light will not be on when sending the command, so the command cannot be carried out.

4、 How to change battery

- Open the back cover of the Telis emitter by a screwdriver.
 - Take the battery out of the box by a screwdriver.
 - Put in a new battery.
- Caution: Please do not dispose the used battery at will.**

