

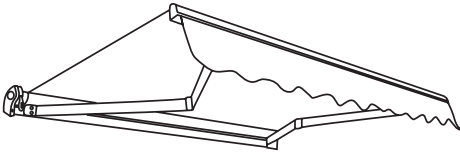
## Awning Instructions

# Electric awning (B) 1.5m to 4.5m



## Wireless Electric Instructions

### Contents



#### 1.5m - 3.0m Awnings

- 4 x Expansion bolts (2 per bracket)\*\*
- 2 x Wall brackets
- 1 x Awning
- 1 x Winder handle

#### 3.5m - 4m Awnings

- 6 x Expansion bolts (2 per bracket)\*\*
- 3 x Wall brackets
- 1 x Awning
- 1 x Winder handle

#### 4.5m Awnings

- 8 x Expansion bolts (2 per bracket)\*\*
- 4 x Wall brackets
- 1 x Awning
- 1 x Winder handle

#### Suggested Tools

- Hammer drill
- 12mm masonry drill bit
- Chalk or pencil to mark
- Laser level or long spirit level
- Metric socket spanner set
- Adjustable spanner

#### Optional controls

(Depends on your purchase)

#### Set A

##### Wireless Kit

- 1 x Remote Handheld Zapper

#### Set B

##### Wind and Sun Sensor

- 1 x Remote Handheld Zapper
- 1 x Wind and Sun Sensor
- 1 x 5m Electrical Wire, (3 core cable to connect to mains)

### Warning

We recommend that two or more people are required to lift the awning into place.

The awning and frame may be supplied with a plastic wrapper. This should be removed prior to use.

Plastic bags can be dangerous to children and babies. Keep out of the reach of babies and children to avoid the risk of suffocation.

The awnings may be installed on wooden walls if the wall is sufficiently strong. Use appropriate screw-threaded or coach bolts.

\*\*The expansion bolts supplied are for reinforced concrete or brick walls.

### Guarantee

This awning is guaranteed against faulty parts and workmanship for two years from the date of delivery. Faulty parts will be replaced or exchanged within that period. The guarantee covers domestic use only.



## Step 1: Determine position on the wall and mark up

### Height of awning:

The recommended height from the ground is 2.5m-3.5m. If you want to install lower than this, determine whether there is sufficient headroom when the awning is fully extended and that any doors can open.

### Required headroom:

– Allow 20cm above any door frame and check that when opened the door will not interfere with the awning.

– As a guideline, the awning has a drop of 30 cm (2m projection) to 45cm (2.5m projection) at a slope of 10 degrees below the horizontal.

The recommended slope is pre-set at the factory and should not require any major adjustment. The angle of drop can be adjusted with a spanner any time after fitting: from approx 15 – 30 degrees.

### Horizontal positioning of brackets:

Using laser, spirit level or other method, mark an accurate horizontal line at the required height.

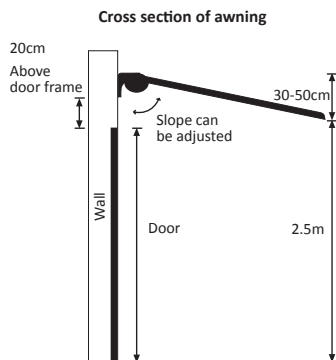
**Fixing must be directly into brick or concrete. Mortar joints between the bricks or blocks will NOT be secure enough to bolt into.**

### Installing onto wooden houses and chalets:

You can install 1.5m -3.0m awnings onto wooden walls and chalets providing that the wall has adequate strength to support the weight of the awning. Always ensure that the wall brackets are securely fitted onto the outside of strong wooden wall studs.

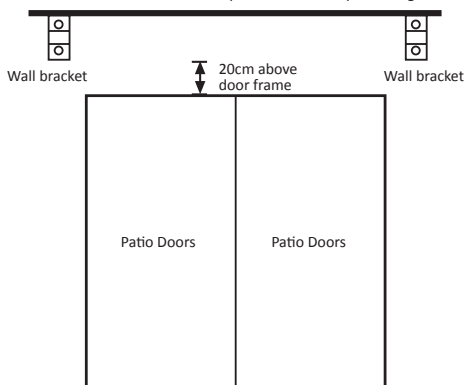
The wall bolts provided in the fitting kit will not be suitable for securing to wooden studs; therefore you will need to purchase **Coach Bolts** of sufficient length and diameter from your local hardware store to replace the bolts provided. If unsure, consult a qualified structural engineer for expert advice.

## Side view



## Step 2: Drill holes

Draw a horizontal line in the position of the required height.



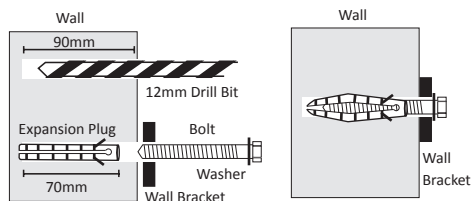
**If in doubt about the quality of the wall structure you are wanting to mount the awning on, you can use an epoxy resin product to secure the mountings in the wall.**

1. When attaching the wall brackets on the torsion bar. Measure the awning with a ruler and note down the bracket position (holes).
2. Draw a horizontal line in the position of the required height as shown in the diagram.
3. Make marks onto the wall, through the holes at the base of the bracket.

**Please double check your measurements thoroughly before drilling holes into your wall, especially if you're using a template. We will not be held responsible for any errors or incorrect measurements.**

4. Use a hammer-action electric drill with a 12mm bit. **Do NOT drill through mortar** as this will not provide satisfactory strength to hold the wall expansion bolts.
5. Drill 90mm holes into brick or concrete wall in exact position chosen for wall brackets.
6. Insert the expansion plug/sleeve all the way through and then insert the bolt into the wall plug.

## Expansion bolt



The bolt must stick out of the wall in order to attach the wall bracket and washer. (View Step 3)

## Step 3: Attach the brackets

1. Insert the plastic expansion plug/sleeve into the wall.
2. Fit the bracket into place over the washer and wall bolt. Tighten with a socket spanner, the plastic wall plug will expand.
3. Ensure the bracket is tight against wall before fitting the awning as the weight of the awning could pull the brackets out of the wall. If any movement is detected, further tighten the nuts.

**Fixing must be directly into brick or concrete. Mortar joints between the bricks or blocks will NOT be secure enough to bolt into.**

## Step 4: Install the awning

### Note:

**When installing 1.5m - 3.5m awning we recommend to use two step ladders with two people. 4.0m - 4.5m awnings are heavy, more than three people will be required to lift the awning into place. Do not attempt to lift this awning onto the wall brackets without assistance.**

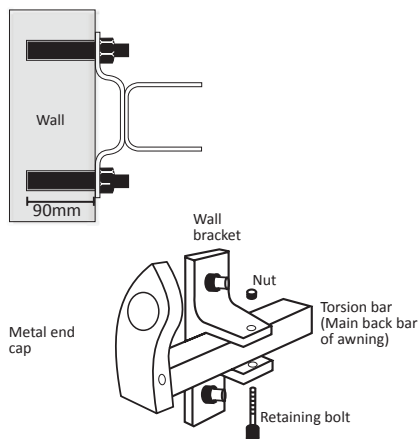
Lift both ends of the awning unit until the torsion bar (main back bar of awning) slides into the wall brackets.

Ensure the fabric is feeding from the top and not the bottom.

Fix the retaining bolts through the wall brackets to secure the awning unit in place. Fit the nut onto the bolt and tighten.

Check that both the wall bracket and the retaining bolts are tightened securely.

## Wall bracket



## Step 5: Levelling the front bar – Adjust the angle

The awning is usually supplied with the most ideal pre-set angle of tilt. When fully opened, the front bar should be level. The angle can however be adjusted (adjustment on the arms next to the awning body).

Although level when fully projected, the awning may not be perfectly level when fully retracted – this is normal.

### Note:

There are two different adjustments available due to different awning models - Please follow the correct adjustments, view diagrams below.

### Adjustment 1:

1. Loosen the 17mm locking nuts on both sides of the arms and then turning the 13mm jack bolts to the desired angle.
2. Check the built-in spirit level in the middle on the front bar of the awning. Damage could result if the front bar isn't horizontal.
3. Adjust the arm until the front side is level.
4. Securely tighten up the 17mm locking nuts.

### Adjustment 2:

1. Make sure the eyelet rings are inserted into the aperture using the pins provided (2 x eyelet rings, 2 x pins). Use the winder to turn the eyelet ring as shown in the diagram to adjust the angle.

### Note:

You will notice one eyelet is already installed on the left hand side of the awning, use the winder to extend and retract the awning.

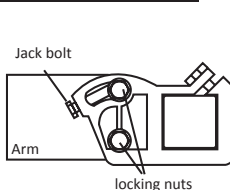
2. Adjust the angle by using the winder handle and hook around the wrist ring - turn one direction for desired slope. Now adjust the other side. Use the built-in spirit level located on the centre of the front bar to assist your desired angle.

### Note:

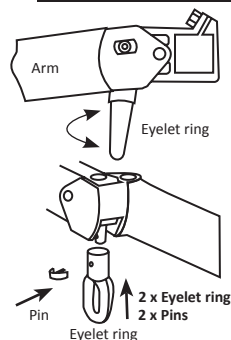
Make sure all the angle is adjusted at the same level - any slight mis-alignment will result in the awning not retracting properly or when the awning is fully projected, one side of the front bar will be higher than the other. Ideally, project the awning fully out and then adjust the level of the front bar by eye.

## Adjustment

### Side view of adjustment 1



### Side view of adjustment 2



## Step 6: Wiring the electrics

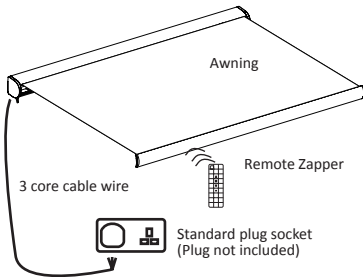
### (THIS STEP APPLIES TO ELECTRIC AWNINGS ONLY)

Our awning can either be fitted with a plug or wired into the mains socket. If you choose to wire into the mains you should consult a qualified electrician. The following summaries how the wiring works for the wireless control kit, indoor wall switch kit and also the wind and sun sensor kit.

## Step 7: Wiring the electrics – Kit A

If you've purchased a wind and sun sensor kit please refer to the step 10.

The 3 core cable can be wired into a standard 13 Amp plug and then plugged in to an existing socket. You can also wire directly into the mains, complying with any relevant regulations. If you are unsure of these regulations, we recommend you consult a qualified electrician.



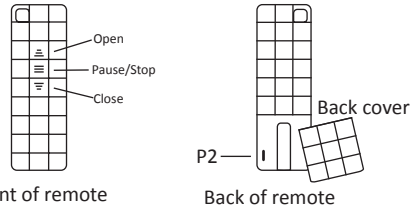
Once the power goes to the motor, give it 5 seconds, then press "P2", twice then press "OPEN" (on the back of the remote zapper, remove cover), it will then be synchronised. If you want to change the direction, turn the power off, and after 10 seconds, turn the power back on. 5 seconds later press "P2" twice and "CLOSE" (on the remote zapper), you will find the directions have changed.

2. Press "Open" or "Close" button to extend or retract the awning as per your requirement. Press "Pause" (middle) to stop the awning at the position you want it to be.

**Warning:** To operate the awning, you will need to press the button "Open", "Close" or "Pause" by one click. We would recommend that you press the Pause/Stop button before it extends/retracts to its maximum.

3. The remote zapper is driven by a battery. If the battery runs out of power, you will need to purchase a new battery.

## Step 7: Wiring the electrics – Kit A



## Step 8: Limit control

### Can I control how far out the awning opens?

#### Manual awnings

With the manual awnings, you can control the position of the awning by simply winding out as far you want to go. The awning will hold at whichever position you wind to.

#### Electric awnings

The electric awning will stop automatically at the pre-set maximum extension. It will also stop automatically when fully retracted. We would recommend that you press the pause/stop button before it extends to the maximum. This will avoid the motor over heating. If you wish, you can position the awning at any point between maximum extension and fully retracted by pressing the stop button while the awning is extending or retracting.

#### Adjusting the pre-set maximum extension and fully-retracted positions

On the left hand end of the rotating barrel, inside the cassette are two small hexagonal bolts marked by directional plus and minus signs. Rotate these bolts gently with a hexagonal key (Green Allen key provided) to change the maximum extension and full-retraction points.

Always make sure you count the amount of turns while adjusting, just in case you want to go back to the original setting

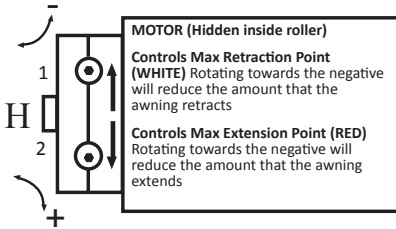
1. (White adjustment) Retraction point: Take care not to set this to over-retract otherwise it may cause damage to the awning. Rotating towards the negative will reduce the amount that the awning retracts. If for example the awning doesn't retract properly and has a 1-3 inch gap then adjust the white hole to + clockwise. For example a 50cm gap will need approx 40 turns.

If you wish to set the awning so that it retracts further, we recommend that you fully retract the awning with the current setting allowing the motor to turn off automatically. Then turn the hexagonal key one quarter turn at a time towards the positive. This should cause the front bar automatically to move in a

## Step 8: Limit control - continued

- (Red adjustment) Extension point: Rotating towards the negative will reduce the amount the awning extends. For example if the awning fabric sags and projects too far then adjust the red hole towards - minus which is anti-clockwise.

## Motor



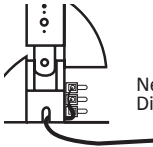
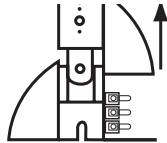
Specification: - 230v - 0.86A  
 - 198w - 40Nm  
 - 50Hz - 15rpm

## Step 9: Wiring the electrics - Kit B

If you have purchased a wind and sun sensor. You will need to do the following. If you are unsure you must consult an electrician.

Using the 5m Wire (3 core) supplied to connect to the sensor and plug.

1. Push up to open the power junction box



2. Push through the cable to the hole by the junction box. Connect the wires as shown above. You will now need to add a plug to the other end of the cable.
3. Replace the junction box cover.

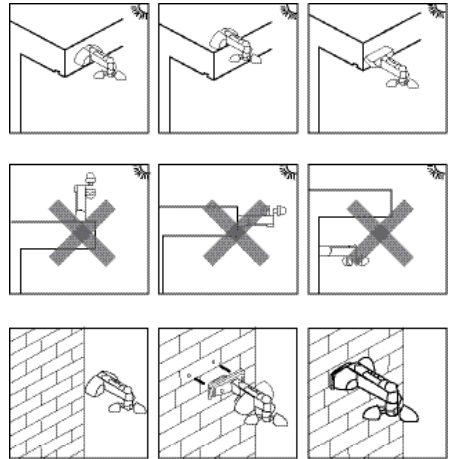
## Step 9: Wiring the electrics - Kit B

Once the wind activates the sensor (or spin the turbine manually), the awning will retract back in and nothing will operate for another 15-30mins (Until the sensor resets itself). Right now the sensor "detects" a huge gust of wind and will want to protect the awning so even if the sensor is exposed to intense sunlight, it wont operate and open out straight away until 15-30mins has passed (otherwise the awning will just go back and forth and damage the awning).

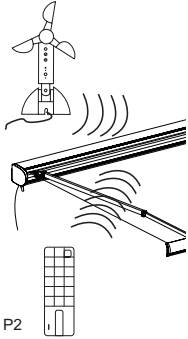
You can reset the sensor settings by switching off and on from the mains power.

## Mounting the sensor

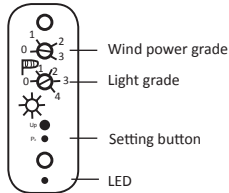
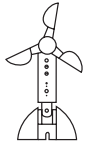
To operate effectively the sensor effectively please position in an area that is fully exposed to the wind and sun. (As per diagram)



## Step 10: Synchronising remote to Sensor



Once the awning and sensor is plugged in. Remove the back of the remote control and press the P2 button twice. Then press the setting button on the sensor. (See diagram). This should then synchronise the sensor to the awning and remote control.



0/1 grade	15km/h
2 grade	30km/h
3 grade	45km/h

When the grade is set to '0' or '1', and the wind reaches over 15km/h the awning will close and the LED will flash.

When the grade is set to '2' and the wind reaches 30km/h the awning will close and the LED light will flash

See table for wind levels and grade settings.

0 grade	Close
1 grade	15kLUX
2 grade	30kLUX
3 grade	45kLUX
4 grade	60kLUX

When the grade is set to '0', the awning will stay closed.

When the grade is set to '1' and the sunlight reaches 15kLUX the awning will open and the LED light will flash.

See table for light levels and grade settings.

The remote control will enable you to over ride the sensor settings.

## Kit B - Sensor Specification

Frequency: 433.92MHz

Range of validity: outdoor 200 meters

AC power: input 230V-50Hz

**NOTE: Make sure sensor has been programmed before use.**

## Step 11: How far out can the awning open?

With the wireless awnings, you can control the position of the awning by simply winding out as far you want to go. The awning will hold at whichever position you wind to. The electric motor will also stop at the maximum projection.

When the awning is fully extended, the arms are supposed to have a slight bend (not straight).

## General care & precautions

Once the awning is installed, it is important to note how to properly care for the components, to make your awning work as long and efficiently as it can. The awnings are constructed from weather resistant powder coated metal and hard-wearing polyester fabric, and are designed to give many years of service. Stains and bird droppings etc. can easily be washed or sponged away, and should not be left for prolonged periods. The awning should always be retracted in severe weather conditions.

The hook shaft, gearbox and joints on awnings should be sprayed with silicone in order to lubricate (4-6 months). WD-40 can also be used instead of silicone.

Framework of the awning should be cleaned at least once every year, with a soft cloth or sponge and warm water.

Fabric on the awning should be cleaned at the very least once every year. By using a mild detergent with warm water and a sponge or soft cloth, the fabric can be wiped and marks can be removed making the awning look like new.

The fabric is made from hard wearing, waterproof, rot-proof, PU and UV stabilised 300gsm polyester and is easy to sponge clean. It is 100% waterproof fabric so you can cover up your awning on wet winter days.

**Please note:** Have the awning at an angle to allow rain water to run off.

## FAQ's

### 1. How far out can the awning open?

You can control the position of the awning by simply winding out as far you want to go. The awning will hold at whichever position you wind to.

### 2. The arms aren't straight when its fully extended, is that right?

The arms are designed to remain at an angle when fully extended, this is for extra stability.

### 3. Is it possible to remove the winder handle off the awning?

Yes, you can unhook the winder handle and store it when not in use.

### 4. The fabric is sagging, how can I solve this problem?

Check and make sure the awning isn't over extended (the fabric will feed from the top of the roller, if you over extend the awning the fabric will sag. The fabric should always feed from the top of the roller.) Refer to step 8 to adjust the extension points.

### 5. My awning doesn't retract back in properly, what can I do?

Check and make sure the arms are levelled. View step 5.

### 6. My awning doesn't seem to project or retract anymore when I press a button on the remote control zappers, what is the problem?

**A.** Due to safety precautions the motor will cut off (if the user keeps extending/retracting it back and forth) it will not operate for another 15-30 mins. Leave it and use the winder handle to manually project and retract the awning.

**B.** Check the cables are wired in correctly (loose wires etc.)

**C.** Check if the remote control zapper is synchronised properly with the wireless motor.

**D.** None of the above, motor is faulty.

### 7. How far can I operate the awning with a remote control zapper?

Approx 15-20m radio frequency (RF) remote control zapper (also goes through walls)

### 8. Can I control how far the awning opens?

The electric awning will stop automatically at the preset maximum extension. It will also stop automatically when fully retracted. If you wish you can position the awning at any point between max extension and fully retracted by pressing the button while the awning is extending or retracting.

### 9. What is this green stick for?

To adjust extension, retraction points On the left hand side of the motor – inside the cassette you will find 2 adjustment holes (White and Red) Use the green stick provided with the awning.

White = Retraction point: If for example the awning doesn't retract back in properly and has a 1-3 inch gap then adjust the white hole to + clockwise. 50cm gap you will need to turn approx 40 turns.

Red= Extension point: For example if the awning fabric sags and projects too far then adjust the red hole towards – minus which is anti clockwise.

### 10. How can I adjust the slope of the awning?

Please see step 5.

### 12. How can I keep my awning clean?

Please see general care and precautions section.