

# TUCSON XL PATIO AWNING

Use and Maintenance

1256



## TUCSON XL PATIO AWNING USE & MAINTENANCE



**SUN CONTROL**  
RETRACTABLE SHADES  
*America's Shade Experts*

Toll Free 877-792-1775 | Fax 877-792-0031  
[swsuncontrolpro.com](http://swsuncontrolpro.com) | [sales@swsuncontrol.com](mailto:sales@swsuncontrol.com)

# TUCSON XL PATIO AWNING

## Use and Maintenance

1256

1 INTRODUCTION.....	3
1.1 Symbols used in this manual.....	3
2 SAFETY .....	3
2.1 General safety information .....	3
2.2 Safety devices .....	4
2.3 Residual risks .....	4
3 DESCRIPTION OF AWNING.....	4
3.1 Components.....	4
3.2 Intended use and place of use .....	5
3.3 Technical data .....	5
4 TRANSPORT AND INSTALLATION OF AWNING .....	6
4.1 Transporting the awning .....	6
4.2 Installing the awning.....	6
5 USING THE AWNING .....	6
6 MAINTAINING THE AWNING .....	7
6.1 - Troubleshooting table .....	7
6.2 - Cleaning the awning .....	8
6.3 - Routine maintenance .....	8
6.4 - Special maintenance.....	8
7 DISASSEMBLY AND DISPOSAL OF THE AWNING.....	9
8 OPTIONALS .....	9



## 1 INTRODUCTION

This manual for the Tucson XL awning is for its users. It is an essential tool for the proper use and maintenance of the product. This manual must be kept intact in all its parts and in an easily accessible place until disposal of the awning.

If the manual is lost or destroyed, the dealer must download a new copy from SW Sun Control and provide the main product data and the destination of the new copy.

The manufacturer reserves the right to update products and corresponding manuals without the obligation to update previous products and manuals.

Any tampering or modification to the product without due authorization from the manufacturer releases the manufacturer of any liability for damage that may arise.

### 1.1 - Symbols used in this manual

The WARNING symbols used in this manual are shown below.

#### INFORMATION AND PRECAUTIONS

Instructions and useful advice to ensure proper use and conservation of the awning. Failure to observe these messages may compromise the integrity and/or the resistance of the product.

#### WARNING

HAZARD TO OPERATOR! Instructions to be evaluated and followed carefully. Failure to comply with these messages may compromise personal safety.

## 2 SAFETY

### 2.1 - General safety information

- In the event of rain, wind or snow, close the awning completely. Danger of personal injury or damage to objects.
- It is prohibited to remove the safety devices installed in the awning (see Chap. 2.2 “Safety devices”).
- In the case of a motorized awning, this is opened and closed by pressing a switch and/or through the use of a radio control. Both of these must be kept OUT OF THE REACH OF CHILDREN.
- Make sure that when opening/closing the awning no persons are within its range of movement.
- Do not lay objects on the fabric of the awning.
- It is prohibited to stand on or hang from the awning. This would create the risk of severe personal injury, as well as damaging the awning.
- If you have any doubts, contact the dealer BEFORE using the awning.
- Users must not carry out operations or interventions on their own initiative on the awning for which they are not competent (see Chapter 3.2 “Foreseen use and environment of use” and Chapter 6 “Maintenance”).
- Any tampering or modification without the authorization of the manufacturer releases the manufacturer of any liability for damage which may arise.
- Users are required to inform the dealer promptly if they find any defects and/or malfunctions in the safety devices or if any hazardous situations should occur.
- All cleaning and maintenance must be performed with the electrical power supply disconnected.
- Installation, first start-up, adjustment and extraordinary maintenance must only be carried out by specialized technical personnel who are qualified for such duties. Contact Technical Support.

### 2.2 Requirements for working in safety

(OPTIONAL, only in motorized models)

**WIND SENSOR:** in the event of strong wind of 20 mph or more, the awning closes automatically. The level of activation of the wind sensor is recorded during the start-up process described in the Installer’s Manual.

(OPTIONAL, only in motorized models)

**MANUAL OVERRIDE:** in the event of an electrical power cut, it is possible to rewind the awning using the manual override.

# TUCSON XL PATIO AWNING

## Use and Maintenance

1256

### 2.3 Residual risks

**DANGER OF CRUSHING OF FINGERS/UPPER LIMBS** between the arms in the closing and opening phase of the awning. It is obligatory to install the product at a **minimum height of 98.5 inches**. If this is not possible, the purchaser must agree to the installation and the possible dangers.

### 3 DESCRIPTION OF THE AWNING

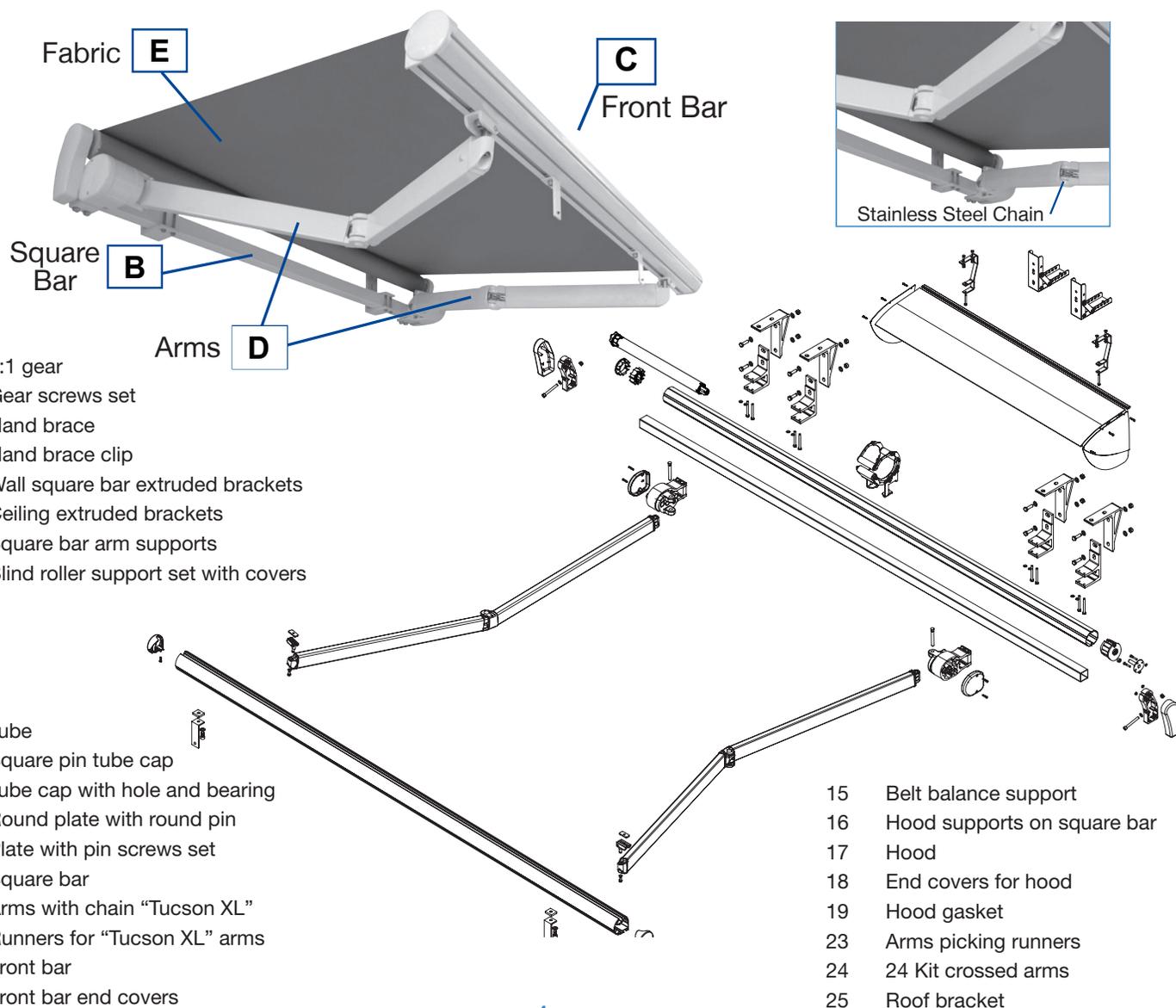
The Tucson XL awning with arms can be installed either on a wall or ceiling, with manual or motorized operation. In the latter case, on request it is possible to install the wind sensor, the rain sensor, the sun sensor and the manual override.

#### 3.1 - Components

The awning is composed of a metallic frame and fabric.

- Metallic frame: this is the load bearing support which contains the various mechanisms for opening and closing the awning. This is formed of a square bar (B), front bar (C), mechanical arms (D) equipped with stainless steel chain and a roller tube.
- Fabric (E): acts to cover and protect the awning.

The building materials ensure good resistance to wear caused by use or by atmospheric agents.



### 3.2 Intended use and place of use

The function of the awning is to protect against sunlight and eventually also to adjust reflection in the space under which it is located. The product, with pre-fixed type installation, is only intended for the fabric to move up and down, for reaching and remaining in positions of maximum opening and closing and possibly intermediate ones. The awning must only be used as described above, even if packed with waterproof fabrics or in PVC. The awning may be used by non-professional operators provided they are **adults**.

#### **WARNING**

**Any use other than the aforementioned IS PROHIBITED, since the operating conditions may create hazards for individuals. IT IS PROHIBITED to use the awning as a support base for objects and/or to support people.**

Improper use releases the manufacturer of any damage caused to persons or property. Failure to comply with the conditions of use automatically voids any type of warranty provided by the manufacturer.

#### **WARNING**

**In the event of rain, wind or snow, CLOSE the awning completely. Danger of personal injury or damage to objects.**

#### **INFORMATION AND PRECAUTIONS**

**Operation in icy conditions may damage the awning!**

The product can be placed at any height above the ground over a minimum level of 98.5 inches. If there is an opening/closing switch (only with motorized awning), it must be located in a protected position, at a minimum height of 60 inches from the ground and in a area that is not hazardous when entered.

#### **WARNING**

**Use a locking switch (with key) if the awning is installed in sensitive locations such as schools, hospitals, retirement homes, etc. If the awning is equipped with a radio control, keep it out of the reach of children.**

The radio control can also be used outdoors, provided the system has an IP55 degree of protection. The space available at the time of installation must take into account the range of movement and allow the awning to open at its full extension.

#### **WARNING**

**It is prohibited to install or place ladders or any fixed object near the awning which may reduce the space required by the awning.**

### 3.3 Technical data

Maximum overall size and weight (1 pair of arms)	
Width (inches)	236.25
Projection (with awning open) (inches)	191
Approx. Weight (lbs)	198.5
Roller tube ( Ø mm)	80
Performance and safety in accordance with UNI EN13561:2004	
Wind resistance class	1
Nominal test pressure p(N/m <sup>2</sup> ) a=1	40
Water traps resistance class	2
Motor (if present)	
Type	See assembly manual for the install motor
Characteristics	EC marked; approved for awnings

## 4 TRANSPORT AND INSTALLATION OF THE AWNING

### 4.1 - Transporting the awning

Shipping and handling are the responsibility of the dealer and/or the manufacturer, who shall ship the product using packaging that protects the product properly until it is delivered to the client. **Damage to the product caused by disassembly of the awning and subsequent shipping and/or handling are not covered by the warranty.**

The packaging materials must be disposed of and/or recycled in compliance with current standards in the country in which the product is to be used.

### 4.2 Intended use and place of use

#### **! WARNING**

**The assembly of the components, installation and start up of the product must be performed only by authorized, qualified technicians, and are the responsibility of the dealer and/or of the manufacturer.**

All instructions and the main safety standards to perform these operations are described in the “Assembly Manual” and in the “Installation Manual”.

The position selected by the user for installation of the product must ensure sufficient range and the space to open the awning to its full extension (see “Installation Manual”).

## 5 USING THE AWNING

#### **! WARNING**

**Before operating the awning, carefully read Chapter 2 on safety and Chapter 3.2 on intended use and location of use.**

#### **! WARNING**

**Make sure that when opening/closing the awning, there are no individuals within its range of action.**

#### **! WARNING**

**In the event of rain, wind or snow, close the awning completely. Danger of personal injury or damage to objects.**

- Use the awning only as protection from the sun and for the purposes set forth in this manual in Chapter 3.2 on intended use.
- It is severely prohibited to climb or hang/lean objects on the awning.
- Clean mold by cleaning the fabric as set forth in Chap. 6.2 on cleaning the equipment.

#### **! WARNING**

**In the event of rain, wind or snow, close the awning completely. Danger of personal injury or damage to objects.**

In the event of malfunctions, contact the dealer.

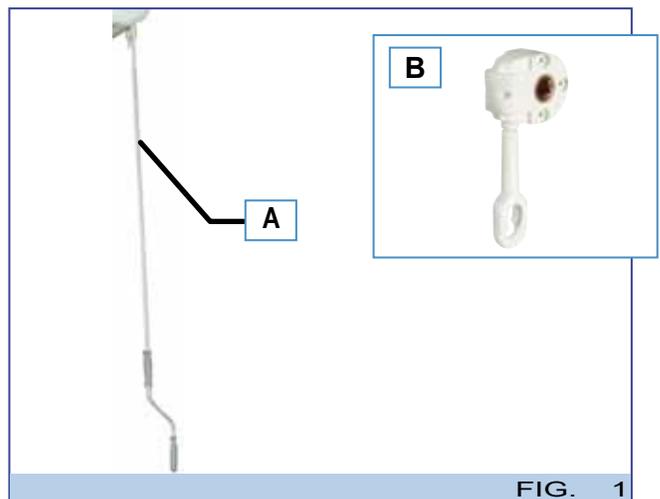
### MANUAL AWNING

The awning is opened and closed using the hand brace (A) and a gear (B).

### MOTORIZED AWNING

The awning can be opened and closed using:

- a SWITCH, installed near the awning and in a position that gives the user complete visibility of its movements. If located outdoors, the switch must be properly protected;
- a RADIO CONTROL, portable or wall-mounted. The characteristics and operation of these systems are described in the enclosed manuals for the motor, automations and required controls.



## 6 MAINTAINING THE AWNING

### **WARNING**

All cleaning and maintenance must be performed with the electrical power supply disconnected.

Before operating the awning, carefully read Chapter 2 on safety.

Installation, first start-up, adjustment and extraordinary maintenance must only be carried out by specialized technical personnel who are qualified for such duties. Contact technical support.

### 6.1 - Troubleshooting table

#### **WARNING**

In case of problems or troubleshooting, comply with safety instructions. Especially when troubleshooting or making repairs on the electrical part, there is the danger of electrocution. **MAINTENANCE ON ELECTRICAL PARTS MUST ONLY BE PERFORMED BY QUALIFIED PERSONNEL.**

If any problems arise that are not included in the following tables, contact technical support.

#### MANUAL AWNING

PROBLEMS	CAUSES	SOLUTIONS
The fabric does not roll up straight.	Incorrect symmetry of arms Uneven fabric thickness	Contact technical support Completely rewind the fabric

#### MOTORIZED AWNING

##### Without electrical control unit

PROBLEMS	CAUSES	SOLUTIONS
The fabric does not roll up straight.	Incorrect symmetry of arms Uneven fabric thickness	Contact technical support Completely rewind the fabric
The awning does not fully close.	Incorrect adjustment of limit switch	Contact technical support
The awning does not fully open.	Motor crown shifts during movement	Contact technical support
The motor is very noisy	Incorrect wiring Motor failed	Contact technical support Contact technical support
The motor shuts down after 4-5 minutes of continuous operation	Thermal protection of motor trips	Let the motor cool off for a few minutes

##### With electrical control unit

PROBLEMS	CAUSES	SOLUTIONS
Awning does not move	Fuse blown Incorrect wiring	Contact technical support Contact technical support
The awning moves jerkily (moves for 19.5 inches, stops, etc.)	Faulty wind sensor	Contact technical support
The awning does not close in high winds.	Fuse blown Faulty wind sensor	Contact technical support Contact technical support
The awning does not close during heavy rain.	Fuse blown Rain sensor defective	Contact technical support Contact technical support
With radio control, the awning opens or closes by itself.	Battery dead	Replace battery in radio remote control (see control instructions)

### 6.2 - Cleaning the awning

#### **WARNING**

All cleaning and maintenance must be performed with the electrical power supply disconnected.

The fabric must be cleaned to prevent the formation of mold caused by dust and other materials deposited on the fabric. It can be performed using a vacuum cleaner, or with a damp sponge or cloth and lukewarm water.

Leave the fabric to dry after cleaning.

Cleaning with ladders, scaffolding and so forth is to be performed only by specialized personnel. They must comply with safety standards and use personal protective equipment such as safety harnesses with ropes.

#### **WARNING**

Do not use solvents, ammonia, or hydrocarbons.

### 6.3 - Routine maintenance

#### **WARNING**

All cleaning and maintenance must be performed with the electrical power supply disconnected.

The operations described hereunder, if performed as scheduled, will keep the product in good condition.

#### Twice a year, before and after summer use

The fabric must be inspected for tears or breaks in the stitching. Do this in the spring, prior to summer use, and in the autumn, prior to winter closing.

#### Yearly, prior to summer use

Lubricate moving parts with silicon lubricating oil, with the awning about halfway open:

- Lubricate the chain, the rotating joint (A) and the side (B).
- Lubricate the cap located in the part opposite the control (motor or hand brace).

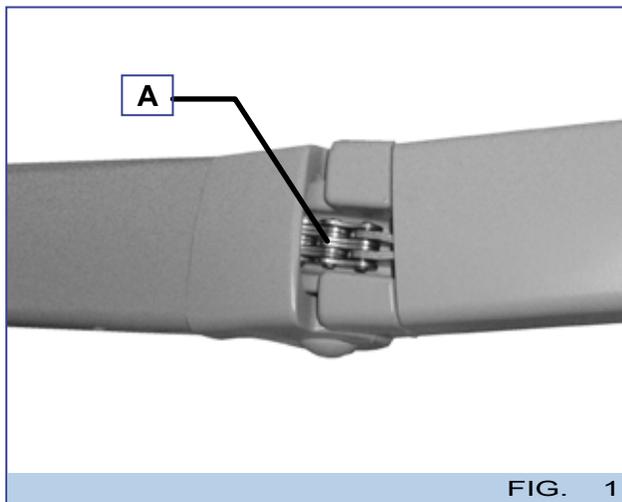


FIG. 1

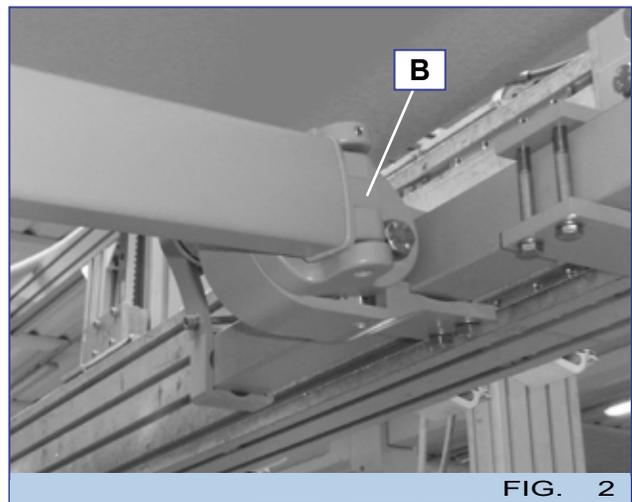


FIG. 2

### 6.4 - Special maintenance

#### **WARNING**

All extraordinary maintenance must be carried out by professionally qualified, trained personnel. Request specialized assistance from technical support. See the instructions on assembly, installation and commissioning if it is necessary to disassemble the awning or parts thereof. Use original spare parts; otherwise the guarantee will no longer be valid.

Request spare parts from your dealer.

## 7 DISASSEMBLY AND DISPOSAL OF THE AWNING

### **WARNING**

The awning must be disassembled by trained, qualified personnel. Request specialized assistance from technical support.

The operations are to be performed with the awning completely wound up.

**Cut off the power supply to the system**, disconnect the system downstream of the disconnecting switch, disconnect the motor, tie the arms in place, release the supports and remove the awning from the supports.

The awning is not made of materials that are considered hazardous. There are no special requirements for scrapping it or disposing of it.

Comply with the standards in force at the moment of dismantling the awning when disposing of it.

## 8 OPTIONALS

The Tucson XL includes the following options on request:

- **Wind sensor:** to detect strong winds (only if the awning is motorized);
- **Rain sensor:** to detect heavy rain (only if the awning is motorized);
- **Sun sensor:** to detect presence of sunlight (only if the awning is motorized);
- **Lighting kit**
- **Hood**
- **Crossed arms kit:** the inclusion of this optional determines the product's downgrading.

The characteristics and operation of these systems are described in the enclosed manuals for the motor, automations and required controls.

Installation is described in the "Installation Manual".

# TUCSON XL PATIO AWNING

---

1256

# TUCSON XL PATIO AWNING

---

1256