



# ARTOSI BIOCLIMATIC PERGOLA

The ARTOSI bioclimatic pergola is primarily used to cover terraces and other outdoor areas. It is structurally designed as a sun protection with the possibility of temperature regulation under the pergola roof.

## PROPERTIES AND USES OF THE PERGOLA

It is a pergola, not a fully-fledged roof.

In the rain, the pergola can also serve as a protection against the rain. Each slat is equipped with a sealing element along its entire length. However, the product may not always be 100% waterproof.

In the rain, individual drops of water fall into the gutter of the pergola, from which water can sprinkle into the space under the pergola (always depends on the current intensity of rain and given weather conditions).

The construction of the pergola can be sloped for better and faster drain of water to the designated places.

In cold weather, due to different temperatures above and below the pergola, water may condense on the underside and in the construction of the pergola.

In case of snow and icing, the manufacturer recommends the position of the slats in the vertical plane (open slats), due to overloading the roof load capacity and preventing damage to the sealing element of the pergola slats.

The manufacturer is not responsible for the consequences associated with the incorporation into other building elements (the user takes on awareness that there may be, for example, water penetration between the pergola structure and the facade of the house).

When used in saline environments and under intense exposure to salt or chemical vapours (e.g. swimming pools, whirlpools), incrustation or bubbles may appear on the surface or in the joints of the aluminium profiles and also possible surface oxidation on the stainless metal parts of the pergola.

## 1. CONTROL



### Motor with integrated IO receiver

The control is performed with the Situo 5 variation io controller (or possibly another IO controller).

If the pergola is delivered with motor SOMFY and an IO controller, the individual motors are paired with the controller and the extreme positions of the motors are pre-set (start and end position of the slats). If the IO remote control is not included in the delivery, only the extreme positions of the motors are pre-set. In this case, the motors (receivers) must be paired with the controller before the initial start-up, or other settings must be made according to the instructions of the drive and external receivers used.

Do not change the setting of the extreme positions of the slats, they may collide and be damaged!!!

This re-setting must only be carried out by a qualified installation expert.

If the pergola is equipped with integrated LED lighting, this lighting is not paired with the remote control. The initial pairing of the LED lighting is carried out during the final installation by the professional company according to the instructions for the Somfy White LED lighting receiver IC.

### Motor without integrated WT receiver

The control is performed by a local wall button connected by a wire path to the pergola drive. If these motors are connected to the control of a smart home, the control usually takes place via specific controls of the given manufacturer (actuators, applications, remote controls). If you use a control system, first familiarize yourself with the instructions provided. Do not change the setting of the extreme positions of the slats, they may collide and be damaged!!!

This re-setting must only be carried out by a qualified installation expert.

Always operate the pergola from a place that allows a complete overview of the movement of the pergola roof.

## 2. MAINTENANCE



In order to keep the product in perfect operating and safety conditions, proceed as follows:

- Visually inspect the load-bearing structure **at least twice a year** (in spring and before winter). If it is necessary, clean the surface of aluminium profiles from dirt, dust and smog. Use a softened damp cloth for cleaning. Heavy soiling can be removed with conventional car paint cleaners. Do not use aggressive cleaning agents such as organic thinners, solvents, cleaning pastes and sands and strong alkaline cleaners to clean structures of the pergola.
- Check the tightening of all screws and fasteners **at least twice a year** (in spring and before winter).
- **At least twice a year** (in spring and before winter) treat the rubber seal with a product designed for this purpose (silicone spray, etc.)
- **Continuously** remove coarse dirt such as twigs and branches from the slats of the pergola roof.
- **Continuously** check and clean the drainage channels, especially from the leaves, to prevent them from clogging.

## 3. SAFETY INSTRUCTIONS



- There must be no objects or people in the moving parts of the Pergola! Do not block the slats while they are moving and never put your hands between the slats. If the pergola is equipped with shading technology, pull it to the upper position in case of bad weather.
- Do not allow children to play with the control. Check the pergola regularly for any leaks and damages.

**In case of finding a defect or malfunction, contact your system supplier!!!**

Due to continuous product improvement, the technical information provided in this manual may not correspond to the actual condition of the delivered pergola.