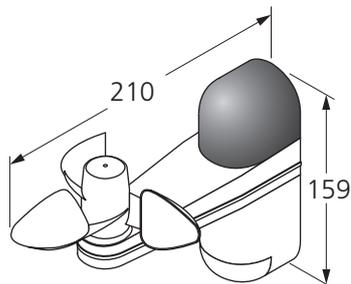


1 Technical data

The **EOSUN Hz VS** automatic control allows patio awnings (equipped with motors Hz.02, DMI Hz or ESP Hz) to be protected against the effects of the wind. Combined with an EOSUN Hz transmitter, it also allows the awning to be extended when it is sunny and retracted when the sun goes in.



- Power supply: 220/240V - 50/60Hz.
- Protection index: IP34
- Working temperature: -20T50 (-20°C/+50°C)
- Storage temperature -30°C/+50°C
- Range : 20m 2 through concrete walls in normal pollution condition
- Frequency range: 433,050 MHz – 434,790 MHz
F: 433,420 MHz.

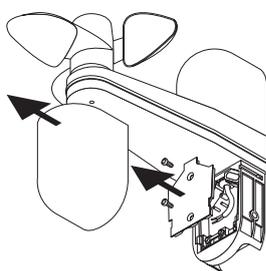
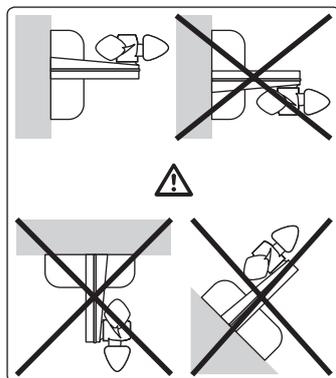
- Max power used: ERP < 10 mW.

- **Do not position the transmitter near metal in order to ensure its good working (reduced range).**
- **A radio appliance using the same frequency (for example : hi-fi radio headphones) may deteriorate our product's performance.**

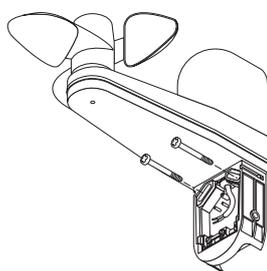


SIMU hereby declares that the radio equipment covered by these instructions is in compliance with the requirements of Radio Directive 2014/53/EU and the other essential requirements of the applicable European Directives. The full text of the EU declaration of conformity is available at www.simu.com.

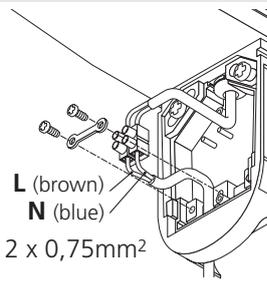
2 Installation



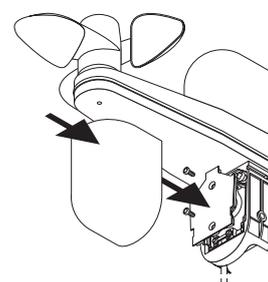
1 - Remove the lower white cover. Open the connection box.



2 - Mount the automatic control.



3 - Make the connections.



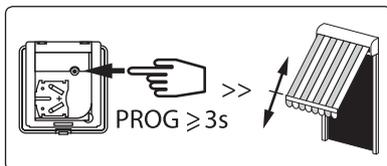
4 - Close the connection box. Put the the white lower cover in place and clip it on.

- Only qualified professionals are authorised to open the box, make adjustments or carry out any internal work.
- Install the automatic control so that it is not masked - by a wall, by the extended awning...
- It is recommended that the final user be left these instructions so that he is aware of the indications necessary to the correct operation of the automatic control.

3 Programming on an existing installation

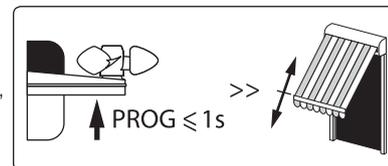
3.1 - Open the memory of the motor using the individual control transmitter:

- Press for about **3 seconds** on the "PROG" key on the transmitter. The motor will turn for 1/2 second in one direction, then in the other.



3.2 - Validate the operation from the EOSUN Hz VS automatic control to be programmed:

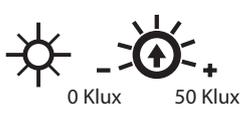
- Press for about **1 second** on the "PROG" key. The motor will turn for 1/2 second in one direction, then in the other.



- If your automatic control is intended to control a group of motors: repeat operations **3.1** and **3.2** for each motor in the group.
- To delete an automatic control from the motor's memory: Perform operation **3.1** from the individual control transmitter and operation **3.2** from the transmitter to be deleted.

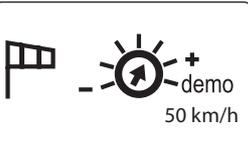
⚠ If the automatic control on an installation is changed or deleted, it is essential to delete it from the memory of all the motors in which it was programmed.

4 Setting and operation



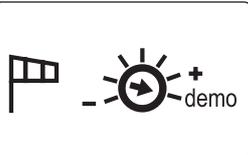
4.1 - Sun function: (adjustable between 0 and 50 klux)

- If the intensity of the sun measured exceeds the threshold set for more than 2 minutes (DEMO mode: 10s), the automatic control gives the order for the intermediate position (or total opening if the intermediate position is not programmed).
- The automatic device will control the closure of the awning when the sun intensity is less than the fixed threshold: ie. after 15 min. when the hours of sunshine are continuous, or ie. after between 15 to 30 min. depending on the changes cloud/sun (15 s. in demo mode). For each of the motors for which the automatic control is programmed, the sun function can be activated or deactivated using the 1 and 5 channel Hz EOSUN transmitters



4.2 - Wind function: (adjustable between 10 and 50 Kmph)

- If for more than 2 seconds (DEMO mode: 2s) the speed of the wind exceeds the threshold set, the EOSUN Hz automatic control orders the retraction of the awning. This order has priority. As long as the wind speed exceeds the threshold set, the awning cannot be extended.
- If the wind speed falls below the threshold set for 30 seconds (DEMO mode: 15s), the awning can again be extended, and the sun function becomes active again after 12min. **⚠ The EOSUN Hz range of automatic controls do not protect against sudden gusts of wind.**



4.3 - DEMO mode: In this mode all the times (see above) are reduced so as to facilitate the settings and check that the sensors are correctly programmed. To activate this mode, position the Wind setting potentiometer on DEMO, the motor will briefly turn in one direction, then the other. To deactivate this mode, position the Wind setting potentiometer on the value required (between 10 and 50 kmph), the motor will briefly turn in one direction, then the other.

To check that the sensor on a motor is correctly programmed: Activate Demo mode, the motor should briefly turn in one direction, then the other. Deactivate Demo mode.

5 Failure diagnosis

When it is windy, the awning fails to retract:

- Check that the detection threshold is not set too high.
- Check that the automatic control is correctly programmed in the motor memory.
- Check that the automatic control and the motor are correctly powered.

When it is sunny, the awning fails to extend:

- Check that detection threshold is not set too high.
- Check that motor's sun function is active (see EOSUN Hz transmitter)
- Check that the automatic control is correctly programmed in the motor memory.
- Check that the automatic control and the motor are correctly powered.