

QUICK PROGRAMMING FOR SUNEА RTS CMO MOTOR

FACTORY MODE

DESCRIPTION

The Sunea RTS CMO has 3 main features:

1. Universal motor for Retractable Awnings and Cassette Awnings
2. Back release function at top of end limit
3. Possibility to choose the closing force.



BEFORE YOU BEGIN

For initial programming, provide power only to the motor being programmed. For awning installations, an awning hood is strongly recommended and a drip loop should be formed to prevent water from entering the head of the motor.

If hand-held transmitter direction is **not properly programmed**, Eolis/Soliris RTS sensor **will not function** in the manner it was intended. Damage to motorized window covering and injury may occur as a result.

During installation, it is mandatory to test and verify the motorized window covering operates in accordance to the commands from hand-held transmitter.

Installer or user must verify the following Awning Installations Hand-Held transmitter (DOWN) command:

Awning Installations: ⏴ = awning moves outward or extends.

Connect Power to Motor

Connect 120 V to the Sunea motor via the proper extension cable with Nema plug.



PROGRAMMING MODE

Initiate Programming

On the transmitter, press and hold both the UP ⏶ and DOWN ⏴ simultaneously until the awning jogs. A jog is a brief up and down or in and out motion. In **PROGRAMMING MODE**, the awning will move only when the UP ⏶ or DOWN ⏴ is held (or momentary fashion).

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Check the Direction of Operation

Press and hold UP ▲ or DOWN ▼. When pressing DOWN ▼ product should go down or out. If awning direction does not correspond with UP ▲ or DOWN ▼ you must REVERSE the output direction. To reverse output direction, simply press & hold the (my) (STOP) until the awning jogs. Output direction should now correspond.



Setting Limits For Standard Retractable Awning

(Both UP and DOWN Limits need to be set)

STEP 1: Bring the awning to your desired UPPER limit with the transmitter. Press and hold both the (my) (STOP) and DOWN ▼ buttons simultaneously until the awning begins to move down, then release. Stop the motor where the LOWER limit should be set. You can adjust by pressing the UP ▲ or DOWN ▼ buttons.

STEP 2: Press and hold both the (my) (STOP) and UP ▲ buttons simultaneously until the awning begins to move up. The motor will stop at the original UPPER point.

STEP 3: Press and hold the (my) (STOP) button until the awning performs a long jog (a hard UP limit stop will take place, then release).

STEP 4: Press and hold the PROGRAM BUTTON on the back of the transmitter until the awning jogs. It will now operate in a maintained fashion. Double check limits as a precaution.



Setting Limits For Cassette Awnings

(Only DOWN Limit needs to be set.
Automatic Limit is set for UP Limit)



Limit setting must start from the DOWN or extended position. Do not start limit setting from the UP position as it is automatically set.

In case of problems with setting of limits during PROGRAMMING MODE, turn the power off to the motor for 2 seconds and then back on to reset the motor. Please return to PROGRAMMING MODE to initiate programming process.

STEP 1: Bring the awning to your desired down limit with the transmitter. Press and hold both the (my) (STOP) and UP ▲ buttons simultaneously until the awning begins to move up, then release.

STEP 2: Press the (my) (STOP) button and stop the awning halfway UP, before the UP limit is reached.

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STEP 3: Press and hold  (STOP) the button again until the awning moves to set its UPPER limit automatically and confirm

STEP 4: Press and hold the PROGRAM BUTTON on the back of the transmitter until the awning jogs. It will now operate in a maintained fashion. Double check limits as a precaution.

Adjusting the Limits

To Change the LOWER Limit:

Send the motor to its current LOWER limit position with the transmitter and let it stop. Press and hold both the UP  and DOWN  buttons simultaneously until the awning jogs, then release. Adjust to a new LOWER limit position. Press the  (STOP) button until the awning jogs, then release. Check new limit.

To Change the UPPER Limit: (Only For Retractable Awning)

Send the motor to its current UPPER limit position with the transmitter and let it stop. Press and hold both the UP  and DOWN  buttons simultaneously until the awning jogs, then release. Adjust to a new UPPER limit position. Press the  (STOP) button until the awning jogs, then release. Check new limit.

Adding or Deleting a Transmitter

(Single Channel, Multi Channel, or Sensor)

Adding a Remote/Channel or Sun and Wind Sensor: First press the PROGRAMMING BUTTON on the back of the already programmed remote until the awning jogs. Then press the PROGRAMMING BUTTON on the remote or sun/wind sensor that you would like to add until the awning jogs. Check it.

Resetting All Pre-Programmed Limit Settings & Channels: You will need to disconnect power (120V AC) for 2 seconds, reconnect for 10 seconds, disconnect for another 2 seconds and reconnect. The motor should start to move and then stop on its own. If this does not happen, continue to perform the disconnects until it does. Once the motor stops moving on its own, press and hold the PROGRAMMING BUTTON on the back of the remote until the awning jogs twice. All transmitters and limits will be erased (motor is now in **FACTORY MODE**). Motor limits will need to be reestablished. **Please return back to PROGRAMMING MODE to initiate programming process.**

Advanced Features Function



BACK IMPULSE Function for both Standard Retractable and Cassette Awnings

This function allows you to apply tension on the fabric when the awning is fully extended. The motor can be adjusted up to a 1/2 half turn.

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STEP 1: Set the awning to the lowest position.

To Activate this Function:

STEP 2: Press and hold both the  (STOP) and UP  buttons simultaneously until the awning jogs. The motor is in **PROGRAMMING MODE**.

STEP 3: Adjust the fabric's tension using the UP  or DOWN  buttons.

STEP 4: Press the  (STOP) button until the awning jogs. The fabric's tension has been programmed.



BACK RELEASE Function on Cassette Awnings Only



This function allows the fabric tension to be released after the cassette awning is closed.

Set the awning to the UP or CLOSED limit position with the transmitter.

To Activate this Function:

STEP 1: Cut the power for 2 sec, then plug back in, unless you are using the awning in the first 4 cycles.

Press and hold both the  (STOP) and DOWN  buttons simultaneously until the awning jogs. If the Back release function was deactivated, it is activated. If the Back Release function was active, it is deactivated.



CLOSING FORCE Adjustment For on Cassette Awnings Only



This function enables the closing force of the cassette awning to be increased or decreased to 3 levels (high/medium/low). The motor is factory set at the medium level.

STEP 1: Bring the awning to the halfway position.

To Activate this Function:

STEP 2: Cut the power for 2 sec, then plug back in, unless you are using the awning in the first 4 cycles.

STEP 3: Briefly press the  (STOP) and UP  buttons simultaneously, then immediately press and hold the  (STOP) and UP  buttons simultaneously until the motor jogs. The motor is only in **PROGRAMMING MODE** for approx. 10 seconds.

STEP 4: Adjust the closing force setting using the UP  and DOWN  buttons.
- to increase the closing force, press the UP  button until the motor jogs up and down.
- to decrease the closing force, press the DOWN  button until the motor jogs up and down (long jog for levels 3 and 1) (short jog for level 2).

STEP 5: Press and hold the  (STOP) button until the awning jogs up and down. The new closing force has been programmed.