AUTOMATION MANUAL AND LED LIGHTING PROGRAMMING

acristalia

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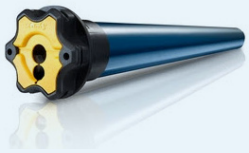
1 PARTS LIST

MOTORS

ACC0068	RTS 30Nm motor
ACC0069	RTS 50Nmmotor
ACC0070	RTS 70Nmmotor

ACC0149	LT 25Nm motor
ACC0108	LT 30Nm motor
ACC0111	LT 50Nm motor
ACC0159	LT 70Nm motor



ACC0153	IO 35Nm motor
ACC0154	IO 50Nm motor
ACC0155	IO 70Nm motor

MOTOR'S ACCESORIES

ACC0065	Support

ACC0066	Crown

ACC0067	Lap counter (25Nm, 30Nm, 50Nm)

ACC0160	Lap counter (70Nm)

SENSORS

ACC0074 Rain sensor

ACC0075 RTS wind sensor (Eolis RTS)

ACC0163 IO wind sensor (Eolis IO)

ACC0164 LT wind sensor

MOTOR MOBILE REMOTES

ACC0071 1 Channel remote Situo RTS 1

ACC0072 4 channel remote Situo RTS 4

ACC0073 16 channel remote RTS (Telis 16)

ACC0135 1 channel remote IO (Situo 1)

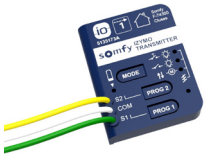
ACC0156 5 channel remote IO (Situo 5)

ACCESORIOS DE SENSORES

ACC0168 UNIVERSAL RECEIVER RTS

ACC0161 RTS interface for rain catcher

ACC0112 RTS Mini receptor



ACC0339 IZYMO

ACC0342 SMOOVE ONE IO

ACC0145 INIS 80X80 (Push button for LT engine)

ACC0165 SMOOVE 1 IB

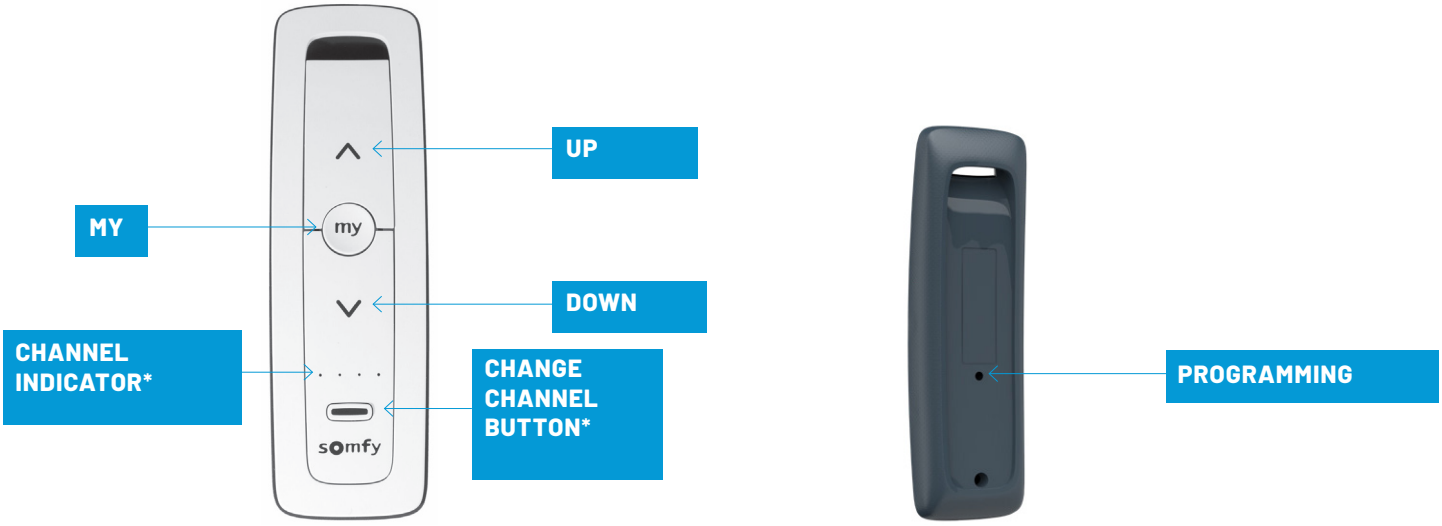
ACC0109 Soliris ONE

ACC0166 SOLIRIS IB

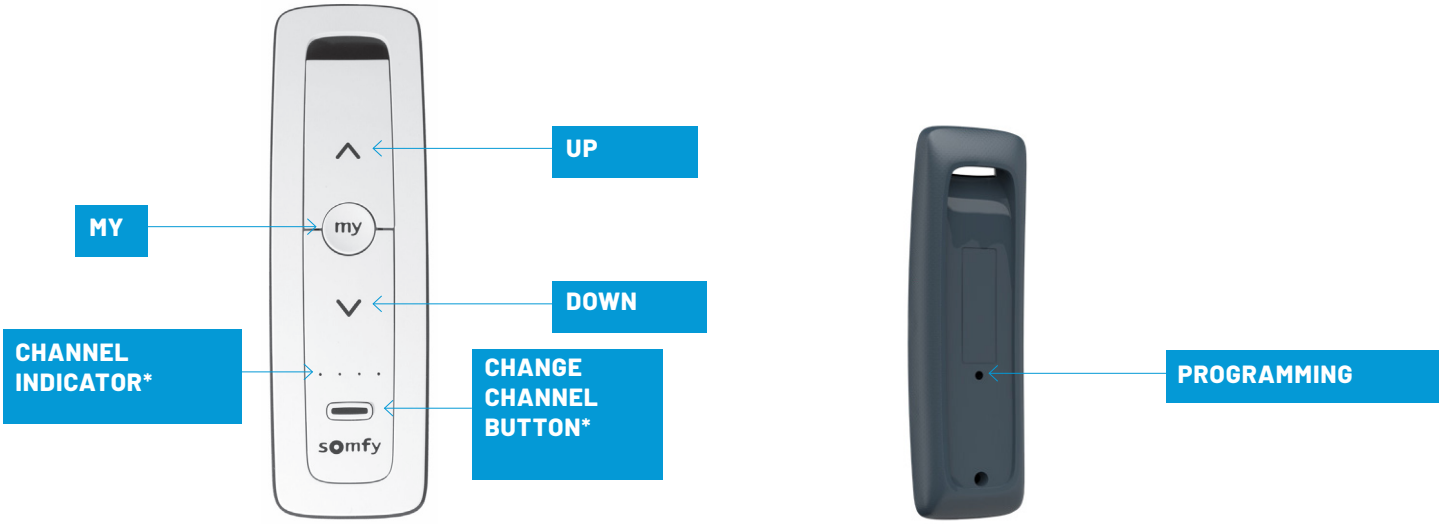
2 MOTOR PROGRAMMING

2.1. SITUO IO & SITUO RTS REMOTES

a) Situo IO remote



b) RTS Situo remote



* Each one of those "change channel" buttons does not appear on 1 channel version. Situo's remote has 1 or 5 channels. Teli's remote can be of one, four or sixteen channels.

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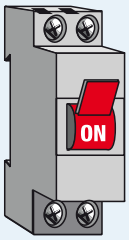
2.2. IO & RTS GUIDE

Programming sequence

On each step, **keep pressing the resalted buttons** until the engine starts moving as shown on the image.

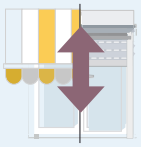
1. CONNECT



2. IDENTIFY

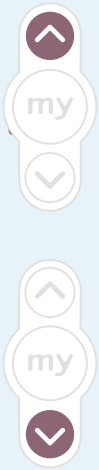
Press simultaneously:

Until being able to listen a "clack-clack" sound.



3. CHECK THE MOTOR ROTATE DIRECTION

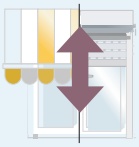
Press:



4. a) It it's **OK**, keep going.

4. b) It it's **NOT**, press:

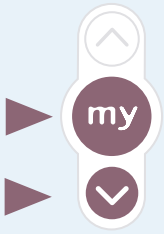
Until being able to listen a "clack-clack" sound.



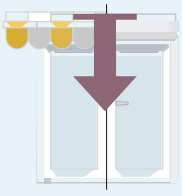
5. UPPER LIMIT SWITCH

Bring the engine with the button

to the desired high and press...



... the motor drops...

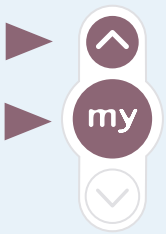


... press to stop the motor.

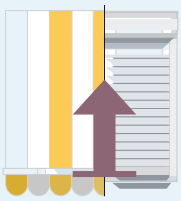
6. LOWER LIMIT SWITCH

Bring the engine with the button

to the desired high and press...



... the motor will rise.



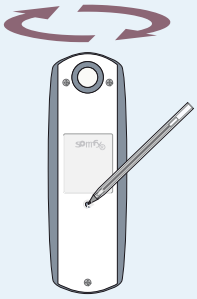
7. MEMORIZE

Press:

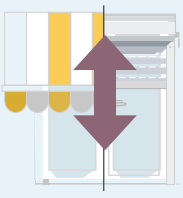
... until listen a "clack-clack" sound.

8. PROGRAMMING END

Push Prog Button:



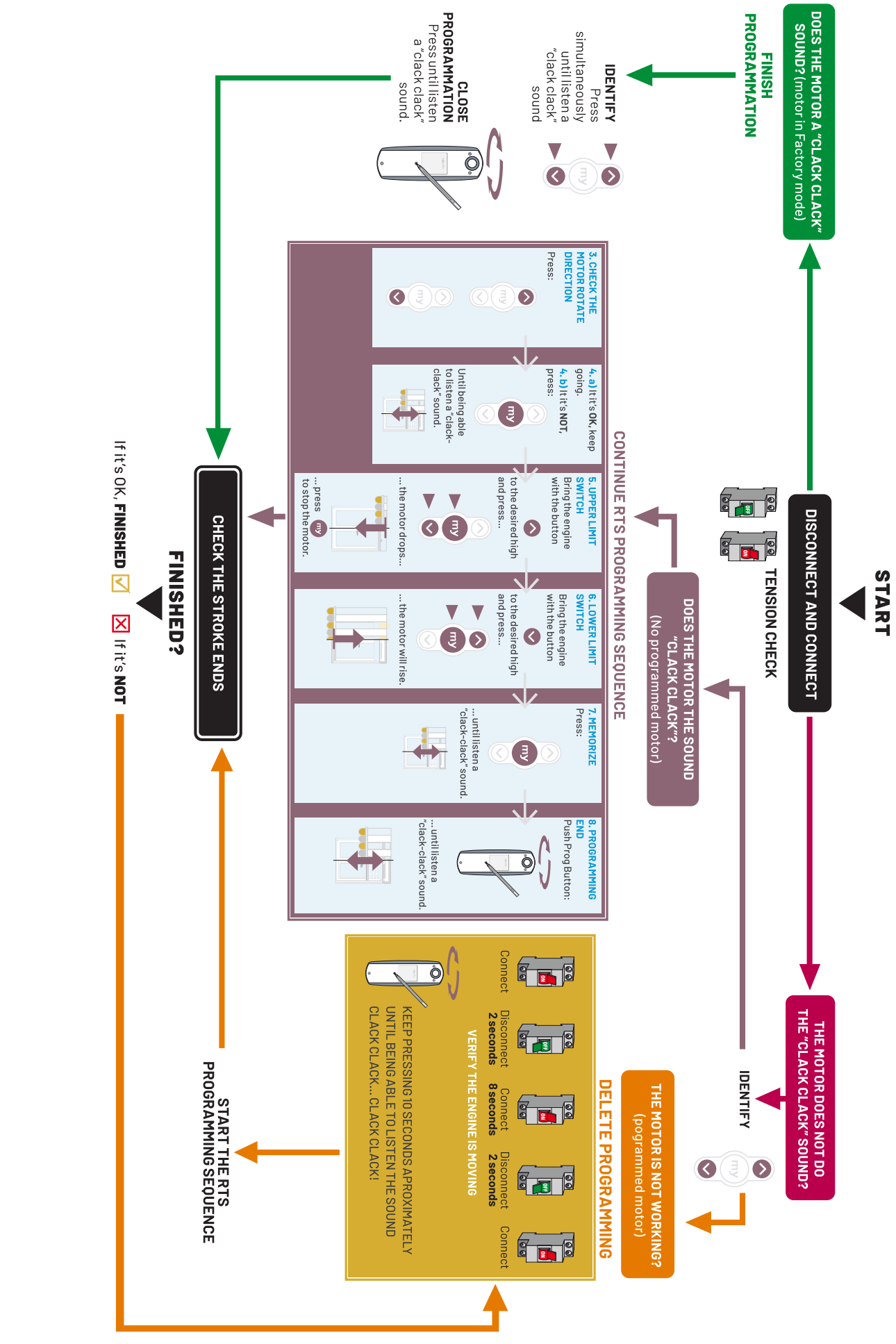
... until listen a "clack-clack" sound.



NOTE: *In case of error, disconnect the motor and start from the beginning.*

Troubleshooting during programmation

In each step, keep pressing the resalted buttons until the motor moves as shown on the image below.

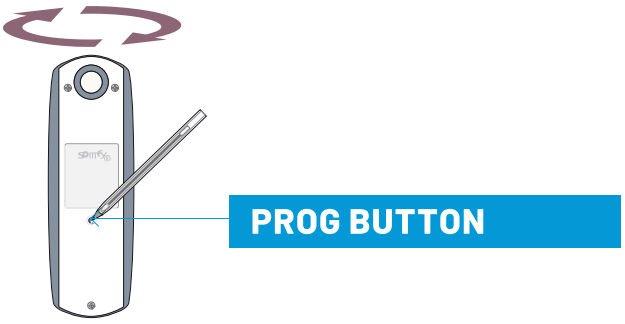


Copy transmitters

Two steps to follow:

The A step will be done on the channel you desire to copy.
A - already programmed transmitter
Keep pressing the programming button THREE seconds, until listen a "clack clack" sound.

The step B will be realized on the channel where you want to direct the previous step.
B - emisor por copiar
Keep pressing the programming button HALF a second, until listen "clack clack".



Change stroke ends

This step can be done after the motor programming sequence (Point 2.2).
The steps to follow are:

a. Situate upon the stroke end you want to modify.
b. Press simultaneously the up & down buttons until the ceiling reacts with the "clack clack" sound (Image 1).
c. After that, bring the motor to the new desired stroke end and press the boton MY until the ceiling reacts with the "clack clack" sound (Image 2).
d. Reached this point, the stroke end has been modified correctly.

Image 1

Image 2

Change the motor's direction

If you desire to change the motor's direction when it has been already programmed, a programming reset will be needed; perform a "2-8-2" and then programme the motor again having in mind the point 3 and 4 of the programming sequence (Point 2.2).

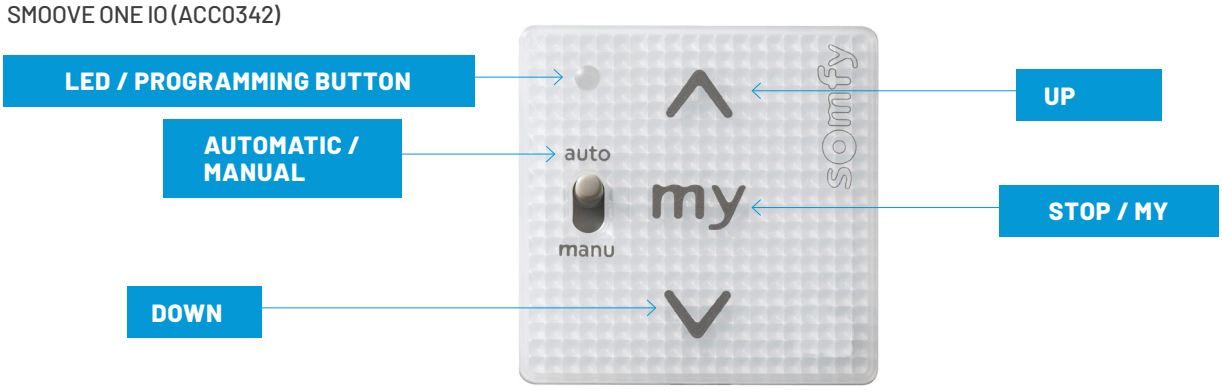
2.3. LT MOTOR PROGRAMMING

2.3.1. Turn LT into IO

Smoove ONE IO

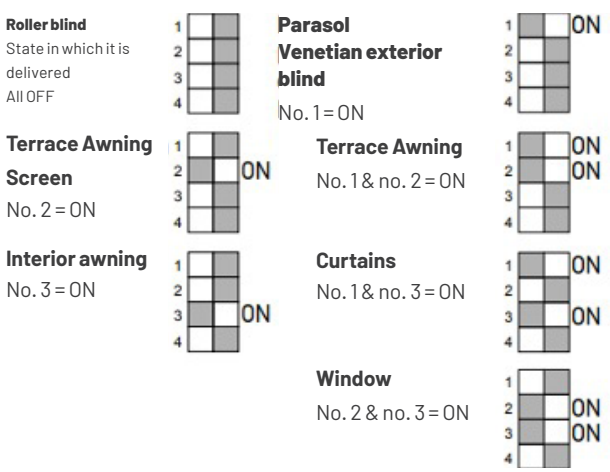
Necessary equipment:

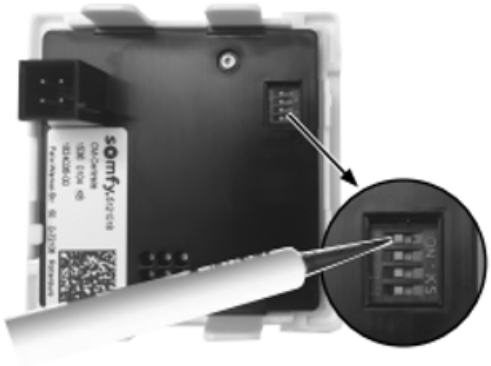
- SMOOVE ONE IO (ACC0342)



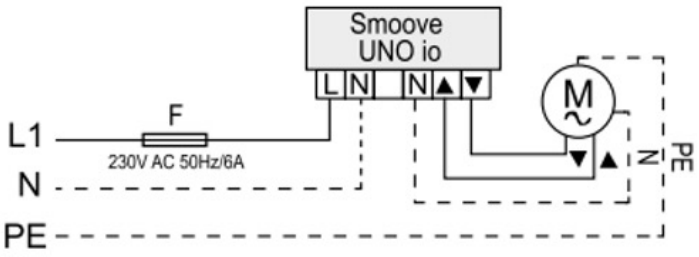
STEPS TO FOLLOW:

1. Application setting: before proceeding with the conection, you must configurate the application of SMOOVE ONE, in this case, on terrace mode. This have to be made on the back of the equipment, moving the DIP switches, as shown on the next image::





2. Connect the SMOOVE ONE IO as shown on the wiring diagram:



Connection	Line	Max. distance
Motor	0'75 - 1'5 mm^2	150 m
230 V CA	1'5 mm^2	–

NOTE: *we have to connect one SMOOVE ONE IO equipment to each LT motor.*

Cables coming out from the motor:

- BLUE: neutral (N)
- BROWN: up
- BLACK: down
- YELLOW: ground.

3. Memorize the lineal career:

To memorize the stroke ends we should do it from the motor, as shown below:

a) press MY button before continue with the next step. The motor won't react and the green light from SMOOVE will blink.

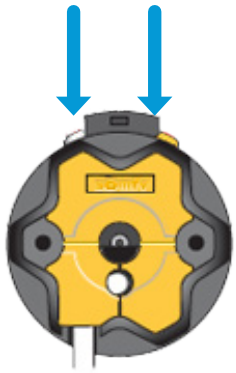
b) Nextly we press the two buttons of the motor head.

c) Using the SMOOVE buttons, bring the engine to the stroke end (the closer to the programming start, doesn't matter if point up or point down) and we press the stroke end button we want to save:

c1. White: upper stroke end.

c2. Yellow: bottom stroke end.

d) Repeat the operation with the other button, the application will bring us to the other stroke end.



1: start the programmation

2: mark the stroke end 1

3: mark the stroke end 2

4. Link channels to the remote control:

a) **The process of memorize channels is just possible on the next 30 seconds to power up the system.** If you've reached this point and much time has passed, disconect and conect the SMOOVE to be able to continue to the next step.

b) Keep pressing the PROG from the SMOOVE ONE IO until the LED shows a green light or you listen the "clack clack" of the motor (up and down).

c) keep pressing the PROG button of the remote control until observe the "clack clack" of the motor (up & down)

d) repeat this operation wich each SMOOVE ONE from our system.

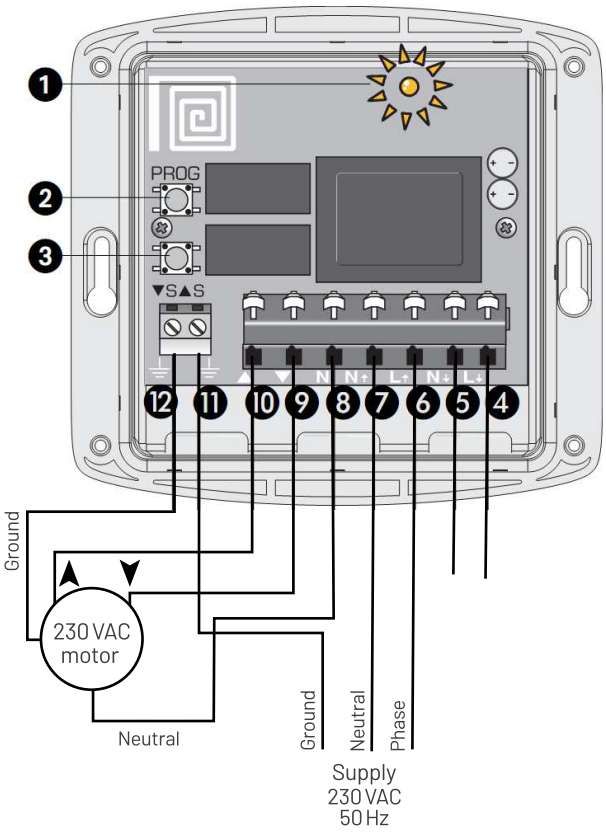
5. Reached this point, we've configurated the SMOOVE I0 with the remote control. If it's necessary to configurate the wind or rain sensor, consult the correspondent programming manual on each case.

DELETING MEMORY: In case of being necessary to re-start the memory of SMOOVE ONE i0, keep pressing the button PROG from the SMOOVE 10 seconds, until listening a movement of up & down from the engine. During this process, the light of the SMOOVE will blink until it finally turns down. The objetive of this process is to decouple the remote or other device associated to the SMOOVE.

CHANGE THE STROKE END: In case of being necessary to change the stroke end, you must press the linked button to that limit (yellow or white) and it will be automatically deleted. Next, move the panel until the new desired stroke end and again, keep pressing the same button, leaving it on its initial possition (no pressing).

2.3.2. Turn LT into RTS

UNIVERSAL RECEIVER



1. LUMINOUS INDICATOR OF PROG	7. BLUE POWER SUPPLY CABLE (NEUTRAL)
2. PROG BUTTON	8. MOTOR COMMON
3. COMPROBATION BUTTON	9. MOTOR LOWERED (BLACK CABLE)
4. BROWN CABLE SENSOR/ACCESORY VIA RADIO (PHASE)	10. UPSTREAM MOTOR (BROWN CABLE)
5. BLUE CABLE SENSOR/ACCESORY VIA RADIO (NEUTRAL)	11. SUPPLY GROUND POWER SUPPLY
6. BROWN POWER SUPPLY CABLE (PHASE)	12. MOTOR GROUND (YELLOW / GREEN)

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Steps to follow:

1. Connect the blue cable (neutral) and the brown one (Phase) of the power supply to the connector 7 and 6, respectively, powering the Universal Receiver. The ground cable will be connected to the conector number 11.

2. Link the upstream connector (Engine brown cable) and downstream (Black cable) from the motor to the connectors 10 and 9, respectively. The grownd cable will be linked to the conector number 12 and the neutral one to the conector 8.

3. Link channels to the remote control.

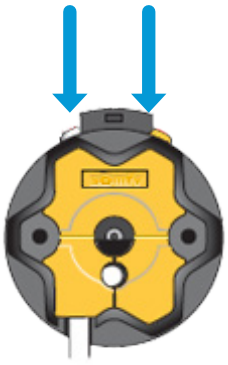
   a) press the programming bottom from the Universal Recepturl 2 secondos until the motor reacts and the indicator light is illuminated.

   b) Shortly press the PROG button on the back part of the remote until the motor reacts / the indicator light of the receptor blinks.

   c) repeat this operation with each Universal receptor RTS of our system.

4. Memorize the lineal career:

   To memorize the limit stroke ends we must do it from the motor, as shown below.



1: start the programmation

2: mark the stroke end 1

3: mark the stroke end 2

   a) To start press the 2 buttons from the engine head.

   b) Using the remote control, we bring up the engine to the final) and press the final stroke we want to save:

      b1. white: upstreamstroke (the closer to the start of the programattion does not matters wether high or low point

      b2. yellw: downstrteam

   c) Repeat this acction with the other button, leading us to other stroke end

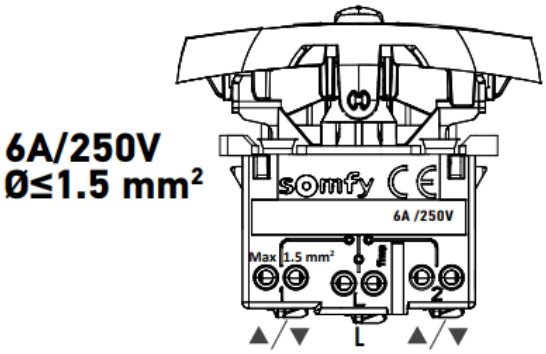
5. Llegados a este punto, tenemos configurado el UNIVERSAL RECEIVER con el control remoto y guardado los finales de carrera. Si es necesario configurar sensores de viento o lluvia, consultar el manual de programación correspondiente en cada caso.

NOTA: *IN CASE OF NECESSITY OF DELETING ALL THE CONTROL/SENSORS FROM THE RECEPTOR'S MEMORY. PRESS THE RECEPTOR PROGRAMMING BOTTOM 7 SECONDS UNTIL THE LUMINOUS INDICATOR BLINKS AND THE MOTOR REACTS TWO TIMES (CLICK CLACK)..*

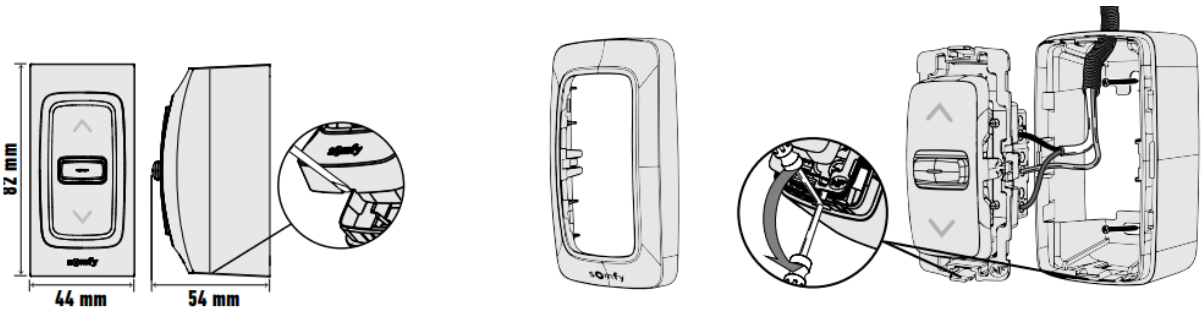
2.3.3. LT motor with push button

INIS 80X80

1. Dissasemble switch. is possible to link up to 2 engines to the INIS. One on each position (Position connection 1 and position 2)



2. Separate de body from the trim. To be able to do that, press with a tool the tab as shown on the image below, retiring at the same time the body.



3. Leave the cable tip 11mm approximatelly.

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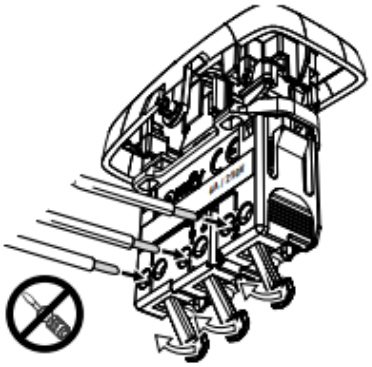
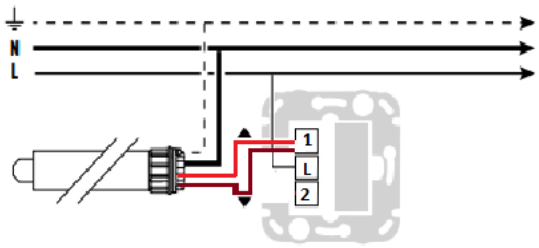
4. Lift the inferior flaps to introduce the cables. Remember not to use any tool that could damage the structure.

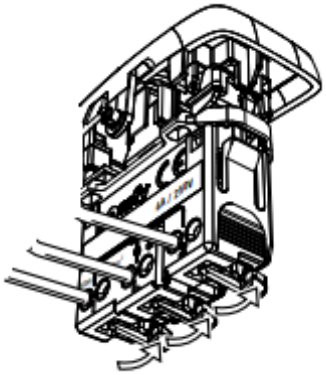


5. Connect upstream cable (black one) from the motor to the upstream connector from INIS and the downstream cable from the motor (brown one) to the downstream from the INIS on the same position (Position 1 or Position 2).

6. Connect the INIS to the phase through one conector from the L position.



7. Once introduced the cables, close the tabs to fix them. Finally introduce the body of the trim.



8. Connect the motor to the power supply.

9. Reached this step the motor will be correctly connected. Ensure to check the up and down button from INIS works on the correct direction.

3 CONNEXOON

A NEW ENGINE, A NEW COMFORT

Connexoon let you control the ceiling from our movil device, through the Connexoon Terrace app.

On the main screen of the app, 4 photos will be shown, so you can preset 4 different configurations: open, close, ventiation or mid position. Selecting one of them, the ceiling will set on that preset position.

Through Connexoon is possible to connect the ceiling to Alexa and Google Home.

Is possible to name each engine and control it individually.

Is possible to connect the Connexoon device to the router through an ethernet cable and the general power supply cable.

Instalation and programming

1. Is a must to associate the motors to Connexoon BEFORE installing Conexoon on the location of the house (it's advised to do it under the ceiling, to be able to see the motor action). Nextly:
   a. Have all motors previously memorized on the remote control.
   b. Give power supply to the Connexoon devide and wait until the the light turns red (it means no internet connection)
   c. Select the remote control of the channel we want to copy to the Coneexoon device and press the button PROG from the remote control until listen a clack clack sound comming from the motor.
   d. Press slowly the PROG button from Connexoon. Observe the Click clack sound again from the motor.
   e. repeat those operations until having all the motors associated.
   f. To finish the copy to Connexoon you have to keep pressing 8 seconds. All the motors should move to confirm that all have been linked correctly,

2. Registeer Connexoon on SOMFY web.
   a. Go to www.somfy.com and select your country
   b. Click on "Somfy connect" on the right lower part of the web
   c. Select country and language and then "start activation"
   d. Select Connexoon
   e. Introduce the PIN code under the Connexoon.
   f. Activate the app "connection terrace".
   g. provide a valid e-mail adress.
   h. fill the user data.
   i. go to your e-mail and confirm that e-mail on the next 24 hours from the start of the process.

3. Download the app "connexoon terrace" on your movile device.

4. Open the app and confirm that all the motors appear.

5. Configurate the desired scenary adding up to 4 photos on the main screen.

6. If you need it, you can visit the next link where you will be able to see an explanation video from the steps above.:
   https://www.youtube.com/watch?v=TJwlCdEoxrE

Connection incidences resolution and recomendations.

1. Realice a copy of the engines to the Connexoon device without connecting the Internet cable to it.

2. Once the motors are linked, connect the Connexoon device router from the house. Is important to connect the red ethernet cable first to the router and then the power supply cable.

3. Once the Connexoon device is connected to internet, wait until the led light turns green.

   3.1. If so, install the appication on our mobile device to do the conection correctly.

   3.2. If the led light on the Connexoo device keeps red, there are two options: reset the device (point 4) or contact the internet supplier (points 5 and 6).

4. Reset the Connexoon device:

   4.1. De-energise

   4.2. Press the RESET button and, without stop pressing it, connect the device to the power supply. Keep it 12 seconds and realase.

   4.3. When the RESET button is realised, wait until the lights are all green.

   4.4. If the LED light keeps in red, go to the next step.

5. Exist a problem with the internet supply wich has to be solved with the phone company: it's needed that the internet supply opens some ports to let the device acces to internet. So you will have to provide the company the next infortmation have connection on the Connexoon device:

- The device uses DHCP to configurate the network interface.
- It's needed access to DNS and total access to internet (through a gateway NAT) for protocols TCP and UDP.
- The device uses DHCP to configurate its network interface.
- The device needs access to DNS to resolve the domain*.overkiz.com
- The device opens up connections TCP and sends UDP paquets to the 123 (NTP) port.
- The device sends on a regular basis PUD packets to the port 18888 and receives replies UDP of the overkiz servers.
- The device connects on a regular vasis through HTTPS to the Overkiz servers (Port 443)
- During the recovery process, the device will conect to the overkiz servers through HTTP on the port 80 Overkiz server list* 178.32.15.129 to 178.32.15.254.

The device has to be able to access to ha-update,overkiz.com and ha101-2.overkiz.com

Those domains are resolved on those IPs: 178.32.15.249 / 178.32.15.250 / 178.32.15.132

The ideal situation would be to add the domain *.overkiz.com to the Firewall and allows all the traffic to this domain.

6. Once the company informs the problems is solved, its needed to disconnect from the power supply and reconnect. Now the LED light should keep in green.

7. If the problems of connection hasn't been resolved after taking those actions, you have to contact Customer Sevice from SOMFY on the telephone number 900 20 68 68 since it's a conexion problem outside the scope of Acristalia.

The reset of the device /4) implies the lose of the motors previously saved. To connect them again, its needed to realice a motor reset (2-8-2), since the Connexoon device has to recognise them again with other reference.

4 SENSOR

Table of possible cases	CEILING	CEILING + AWNING
RAIN	MANUAL **4.1.**	MANUAL **4.4.**
WIND	MANUAL **4.2.**	MANUAL **4.5.**
RAIN AND WIND	MANUAL **4.3.**	MANUAL **4.6.**
SENSOR DISCONECCTION	MANUAL **4.7.**	

4.1. RAIN SENSOR CONFIGURATION ON CEILING INSTALLATIONS

Single option: rain, ceiling closes.

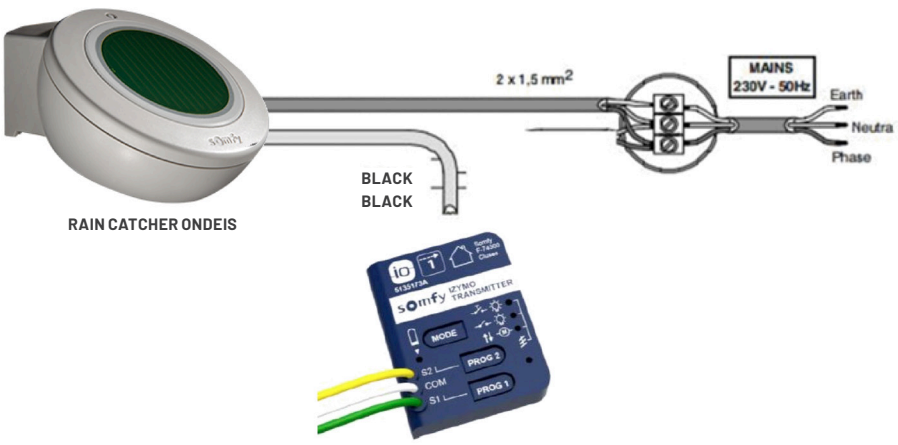
NECESSARY EQUIPMENT:

- Rain catcher Ondeis (ACC0074)

- Izymo (ACC0339)

STEPS TO FOLLOW:

1. Place the battery on the Izymo device.
2. Press shortly the MODE button of Izymo device, as many times as necessary until de LED light lights up on motor mode (M).
3. Select on the remote control the channel with two motors and keep pressing the back button from the remote control until listen a sound clack clack from the motors.
4. Press shortly the Prog1 button from the Izymo device until listening the new clack clack from the motor.
5. Check that the command from the Izymo device realizes the desired movements. for this purpouse, connect directly the white cable (common) with the green cable from Izymo. If the direction observed after that is the desired one (ceiling closing), connect the two black cables from the rain catcher to those two white and green light ones from Izymo. If it does not happen, connect the two black cables from the rain catcher to the withe cable (common) and the yellow one.
6. Connect the rain catcher to the power supply
7. Check that when the rain sensor is activated (by putting your hand on top) all motors are activated on the desired direction.



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4.2. WIND CONFIGURATION ON CEILING INSTALLATIONS

Option 1: wind, ceiling opens.

NECESSARY EQUIPMENT:

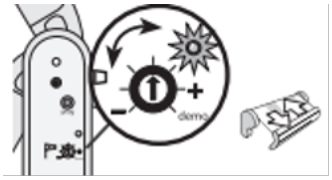
- Wind sensor Eolis IO (ACC0163)

STEPS TO FOLLOW:

1. Connect the wind sensor Eolis i0 to the power supply. Connect the power supply cable on the device's rear, taking off the protective cover. Connect the cable to the terminal entry of the sensor identified as "230V".
2. Place the rulette of the wind sensor eolis i0 on the "MID" position.
3. Select on the remote control the channel with all the ceiling engines (or desired channel).
4. Keep pressing the Prog button on the remote control, until listening a motor movement of up and down "clack clack.

5. Shortly press the Prog button of the wind sensor Eolis i0, until listening again the same sound as the engines did, "clack clack".

6. Now the wind sensor is linked to the selected channel. Place the rullete of Eolis i0 on "DEMO" if everything is right, the engines will move.
7. Check the configurated sensor works correctly. For this purpouse, place the ceiling on an open mid position and activate de sensor manually. Wind sensor: turn the vane manually.
8. Verify the sensor operation. Adjust the potentiometer to the best suited sensibility level.



Six thresholds exists, being the 1 (-) and the 6 (+). Each threshold has a sensibility level matching the velocity of the wind indicated on the table. When such conditionas are reached, the sensor will activate.

THRESHOLD	1	2	3	4	5	6
Km/h	28	38	49	61	74	88

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Option 2: wind, ceiling closes.

IMPORTANT IN ADVANCE NOTE:

PROGRAM THE ROTATION DIRECTION OF THE CEILING MOTORS ON THE OPOSITE DIRECTION OF THE REMOTE, IT MEANS, WHEN PRESSING UP, THE CEILING COMES DOWN AND VICE-VERSA.

STEPS TO FOLLOW:

1. Follow the same programming steps than OPTION 1.

4.3. "RAIN + WIND" CONFIGURATION ON CEILING INSTALLATIONS

Option 1: rain and/or wind, ceiling closes.

IMPORTANT PREVIOUS NOTE:

PROGRAM THE DIRECTION OF ROTATION OF THE CEILING ENGINE THE OTHER WAY ROUND ON THE REMOTE CONTROL, I.E. WHEN THE UP BUTTON IS PRESSED, THE CEILING IS LOWERED AND VICE VERSA.

NECCESARY EQUIPMENT:

- Rain catcher Ondeis (ACC0074)

- Wind sensor Eolis I0 (ACC0163)

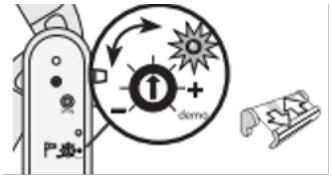
STEPS TO FOLLOW:

1. Connect the wind sensor to the power supply. Connect the cable of power supply on the rear part of the device, taking off the protection cover. Connect that cable to the terminal input from the sensor identified as "230V".
2. Connect the rain sensor to the power supply.
3. Connect the wind sensor Eoilis i0 with the rain catcher Ondeis through two long black cables. Connect the cable from Ondeis to the terminal input of the Eolis sensor identified as "RAIN".
4. Place the wind Eolis I0 sensor's roulette on "mid" position.
5. Place the Eolis I0wind sensor's selector in "S" position.
6. Select on the remote control the channel with all the motors (nor the desired channel).
7. Keep pressing the Prog button from the remote control, until listening an up & down movement sound from the motor (clack clack).
8. Press shortly the Prog button from the wind sensor Eolis I0, until listening again the sound clack clack.
9. Place the roulette from the Eolis I0 wind sensor on the position "DEMO". If everything is alright, the linked motors will start moving slowly up and down.
10. Now, the wind sensor and the rain one are linked to the selected channels.
11. Check that the configured sensors are working correctly. In order to do that, place the ceiling on a mid position of opening and activate the sensors manually.

    Wind sensor: rotate the vane manually.

    Rain sensor: place your hand over it 10 seconds.

12. The sensors functionality are verified. Adjust the potenitometry to the sensibility level best suited to.



Six thresholds exists, being the 1(-) and the 6(+). Each threshold has a sensibility level matching the velocity of the wind indicated on the table. When such conditionas are reached, the sensor will activate.

THRESHOLD	1	2	3	4	5	6
Km/h	28	38	49	61	74	88

4.4. "RAIN" SENSOR CONFIGURATION ON CEILING AND AWNING INSTALLATIONS

Only option: rain, ceiling closes, awning retracts.

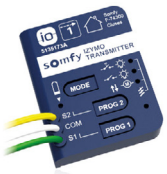
IMPORTANT PREVIOUS NOTE:

PROGRAM THE DIRECTION OF ROTATION OF THE CEILING ENGINE THE OTHER WAY ROUND ON THE REMOTE CONTROL, I.E. WHEN THE UP BUTTON IS PRESSED, THE CEILING IS LOWERED AND VICE VERSA.

NECCESARY EQUIPMENT:

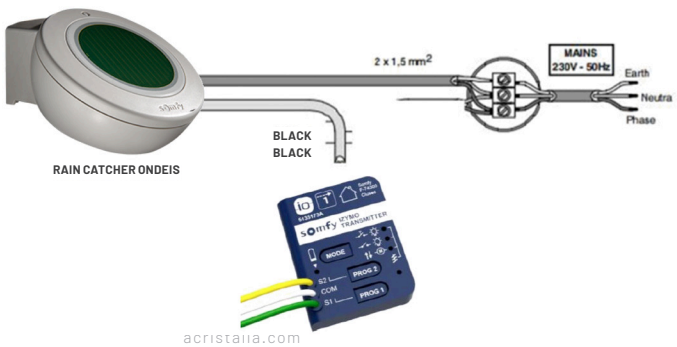
- Rain catcher Ondeis (ACC0074)

- Izymo (ACC0339)



STEPS TO FOLLOW:

1. Place the battery to the Izymo device
2. Press shortly the MODE button from Izymo device until the LED lights is on motor mode (M)
3. Select on the remote control the channel with all ceiling engines, and keep pressing the back button of the remote control until the engines does a clack clack sound
4. Press shortly the Prog1 button from the Izymo device until listening the clack clack on the egnines again.
5. Check that the command from the Izymo device realices the desired movements. for this purpouse, connect directly the white cable (common) with the green cable from Izymo. If the direction observed after that is de desired one (ceiling closing), connect the two black cables from the rain catcher to those two white and green light from Izymo. If it does not happen, connect the two black cables from the rain catcher to the withe cable (common) and the yellow one.
6. Connect the rain catcher to the power supply
7. Check that when the rain sensor is activated (by putting your hand on top) all motors are activated on the desired direction.
8. Repeat 3 and 7 for the ceiling motor.



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4.5. WIND CONFIGURATION ON CEILING AND AWNINGS INSTALLATIONS

Option 1: wind, ceiling opens, awning retracts.

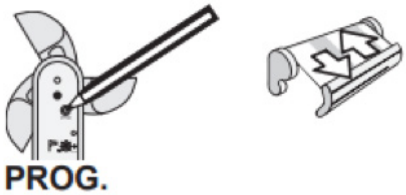
NECCESARY EQUIPMENT:

- Wind sensor Eolis IO (ACC0163)

STEPS TO FOLLOW:

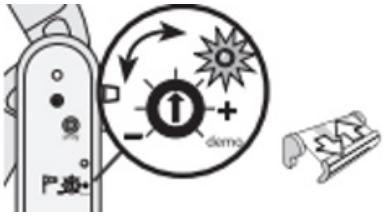
1. Connect the wind sensor Eolis I0 to the power supply. Connect that cable with the terminal entry retiring the protection cover.
2. Place the wind sensor roulette on a mid "mitad" position
3. Select on the remote control all the ceiling motors.
4. Keep pressing the button Prog from the remote control, until listening an up&down movement from the motors. "clack clack"

5 Press shortly the Prog button from the Eolis i0, until listening again the same that came from the motors.



6. Now the wind sensor is linked to the selected channel..
7. Repeat 3 and 6 for the ceiling motor.
8. Place the roulette from the Eolis I0 wind sensor on the position "DEMO". If everything is alright, the linked motors will start moving slowly up and down.
9. Check the configurated sensor works correctly. For this purpouse, place the ceiling on an open mid position and activate de sensor manually.

   Wind sensor: rotate the vane manually.
10. Sensor's functioning verified, adjust the potentiometer the best sensibility level to suits it.



Six thresholds exists, beign the 1(-) and 6 (+). Each thresholds has a sensibility level which fits the wind velocity indicated on the table. When it reach such conditions, the sensor will activate..

THRESHOLD	1	2	3	4	5	6
Km/h	28	38	49	61	74	88

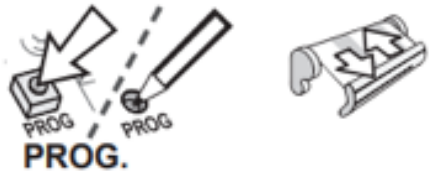
Option 2: wind, ceiling closes and awning retracts.

IMPORTANT PREVIOUS NOTE:

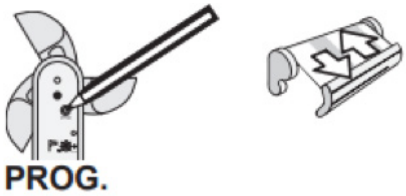
PROGRAM THE DIRECTION OF ROTATION OF THE CEILING ENGINE THE OTHER WAY ROUND ON THE REMOTE CONTROL, I.E. WHEN THE UP BUTTON IS PRESSED, THE CEILING IS LOWERED AND VICE VERSA.

STEPS TO FOLLOW:

1. Connect the wind Sensor Eolis i0 to he power supply. Connect the power supply cable on the device's rear, taking off the protection cover. Connect that cable to the input terminal, identified as 230v on the decice..
2. Place the roulette's wind sensor Eolis i0 on the mid position.
3. Select on the remote control the channel with all the roof engines.
4. Keep pressing the Prog button from the remote control, until listening an up & down movement from the motor "clack clack".

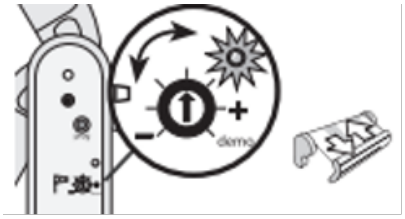


5. Press shortly the Prog button from the Wind sensor Eolis I0, until listening the same sound from the engines "clack clack".



6. Now, the wind sensor is linked to the selected channel.
7. Repeat the steps 1-6 for the awning motors.
8. Place the roulette from the wind sensor eolis I0 on "DEMO" position. If everything is correct, when doing this, all the motors linked will move up-down.
9. Check the configurated sensor works correctly. In order to do that, place the ceiling on a mid position of opening and activate de sensor manually.

   Wind sensor: rotate the vane manually.
10. Sensor's functioning verified, adjust the potentiometer the best sensibility level to suits it.



Six thresholds exists, beign the 1(-) and 6 (+). Each thresholds has a sensibility level which fits the wind velocity indicated on the table. When it reach such conditions, the sensor will activate.

THRESHOLD	1	2	3	4	5	6
Km/h	28	38	49	61	74	88

4.6. "RAIN + WIND" ON CEILING AND AWNING INSTALLATIONS

Option 1: rain + wind, ceiling closes, ceiling closes.

IMPORTANT PREVIOUS NOTE:

PROGRAMME THE CEILING MOTOR'S ROTATION DIRECTION THE OTHER WAY AROUND ON THE REMOTE CONTROL, IT MEANS, WHILE PRESSING THE BUTTON TO LIFT IT, THE CEILING WILL DROP, AND VICE-VERSA.

NECCESARY EQUIPMENT:

- Wind sensor Eolis IO (ACC0163)

- Rain catcher Ondeis (ACC0074)

STEPS TO FOLLOW:

1. Connect the wind sensor eolis IO and sensor Ondeis to the power supply.
2. Connect the rain catcher Ondeis to the wind sensor Eolis IO on its rear part, taking off the protection cover and using the input terminal marked as "RAIN".
3. Select the functioning mode on the sensor Eolis IO selector, placing the selector on the S position.
4. Eolis IO sensor programming:
   a. Place the selection roulette from the Eolis IO device on the MID position.
   b. Select on the remote control the channel with all the motors corresponding to the awning.
   c. Keep pressing the Prog button from the remote control, until listening an up&down movement from the motors "clack clack".

   d. Press shortly the Prog button from the Eolis IO wind sensor, until listening the sound clack clack from the engines again.

e. Repeat the a-d steps for the roof motors

f. Place the Eolis IO toulette on "DEMO" position. If everything's correct, all the motors will move.

g. Now, the wind sensor and the rain one are linked to the selected channel.

h. Check the configurated sensors are working correctly. To make that possible, place the ceiling in a mid position of opening and activate the sensors manually..

Wind sensor: rotate the vane manually.

Rain sensor: Put your hand over it 10 seconds.

i. Verify the functioning of the sensors. Adjust the potentiometer to the best suited level of sensibility.

Six thresholds exists, beign the 1(-) and 6 (+). Each thresholds has a sensibility level which fits the wind velocity indicated on the table. When it reach such conditions, the sensor will activate.

THRESHOLD	1	2	3	4	5	6
Km/h	28	38	49	61	74	88

Option 2: wind, awning retracts, ceiling does nothing; rain, awning retracts, ceiling closes

IMPORTANT PREVIOUS NOTE:

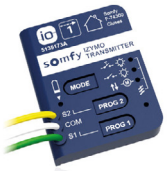
PREVIOUS IMPORTANT NOTE: PROGRAMME THE CEILING MOTOR'S ROTATION DIRECTION THE OTHER WAY AROUND ON THE REMOTE CONTROL, IT MEANS, WHILE PRESSING THE BUTTON TO LIFT IT, THE CEILING WILL DROP, AND VICE-VERSA.

NECCESARY EQUIPMENT:

- Wind sensor Eolis IO (ACC0163)

- Rain catcher Ondeis (ACC0074)

- Izymo (ACC0339)



STEPS TO FOLLOW:

1. Connect the wind sensor Eolis to the power supply.
2. Link the channel with all the ceiling motor with the wind sensor Eolis i0:
   a. Select on the remote control the chanel with all the roof engines. Place the Eolis IO roulette on a mid position "mitad".
   b. Keep pressing the Prog button from the remote control, until listening an up&down sound "clack clack".

c. press shortly the Prog button from the wind sensor Eolis, until listening the same sound from the motors again, clack clack.

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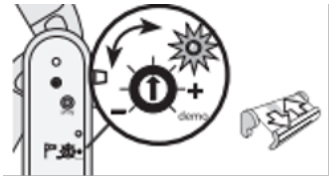
d. now the wind sensor is linked to the choosen channel. Place the Eolis IO roulette on a "DEMO" position. If everything is correct, the engines will move.
e. now the wind sensor is linked to the selected channel.
f. Check if the configurated sensor is working correctly. In order to do that, place the ceiling on a mid opened position and activate de sensor manually.
g. Verify the sensor functioning. Adjust the potentiometer to the level the best suited level of sensibility.



Six thresholds exists, beign the 1(-) and 6(+). Each thresholds has a sensibility level which fits the wind velocity indicated on the table. When it reach such conditions, the sensor will activate..

THRESHOLD	1	2	3	4	5	6
Km/h	28	38	49	61	74	88

3. Connect the rain catcher and the Izymo and link them to the channel with all the ceiling motors, as follow:

   a. Put the battery on the Izymo device.

   b. Press shortly the MODE button until the engine mode (M) light turns on, the lower one.

   c. Select on the remote control the channel with all the ceiling motors and keep pressing the rear button from the remote control until listening the motors do the sound clack clack.

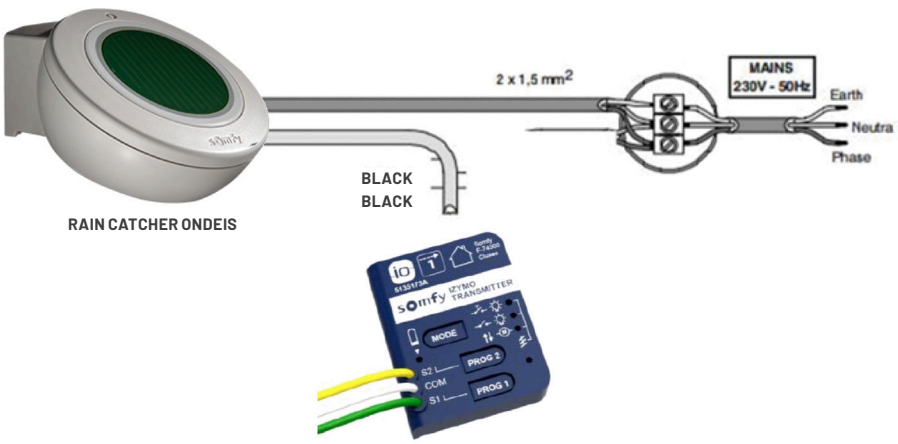
   d. Press shortly the Prog1 button from the Iyzmo device until listening the sound clack clack again coming from the motor.

   e. Repeat the same action on the channel with all the ceiling motors, thus associating both the awnings as well as the roof with the Iyzmo devices.

   f. Check the Iyzmo command realices the desired movements. In order to do that, connect directly the white cable (common) to the green cable on the Iyzmo device. If the rotation direction is the right one (ceiling closing and awning retracting), connect the two black cables from the rain catching to those two white cables and the green one from Iyzmo. If it's not working, connect the two black cables from the rain catcher to the white cables (common) and yellow.

   g. Connect the rain catcher to the power supply.

   h. Check that while actioning the rain sensor (placing your hand over it), every engine activates on the desired direction.

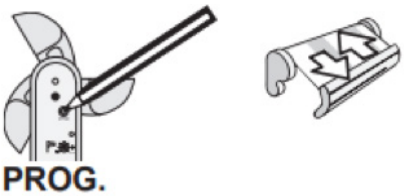


4.7. SENSORS DISCONNECTION

4.7.1. Wind sensor disconnection

STEPS TO FOLLOW:

1. Starting from the configurated channel to the sensor, press the button PROG from the remote control until the ceiling makes an up & down movement “clack clack”.
2. Once this movement happened, press the PROG button from the wind sensor SHORTLY until the ceiling makes an up & down movement clack clack.

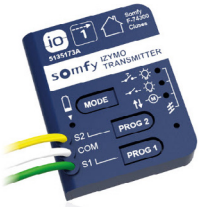


3. Reached this point, the wind sensor is detached from the roof. Nextly, disconnect the wind sensor from the power supply.

4.7.2. Rain sensor disconnection

STEPS TO FOLLOW:

1. Starting from the previously configurated channel to the sensor, press the PROG button until the ceiling makes an up & down movement CLACK CLACK.
2. Once this movement is done, press the PROG button from the wind sensor shortly until the ceiling makes an up & down movement Clack clack.



3. Reached this point, the rain sensor is detached from the ceiling. Nextly, disconnect the rain sensor from the power supply.

4.7.3. Wind sensor + rain sensor disconnection

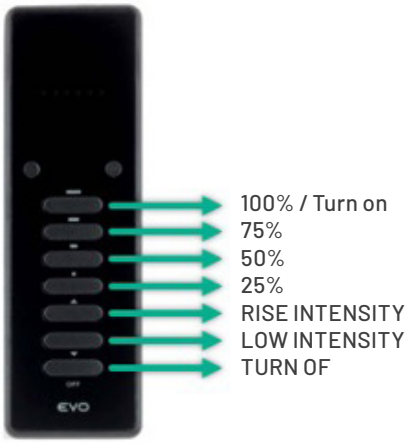
Follow the steps from the section 4.7.1 “Wind sensor disconnection”.

4.8. LED LIGHTING PROGRAMMING FOR SLIDING ROOFS

4.8.1. Program the remote control

STEPS TO FOLLOW:

1. Switch on the LED lights. The lights will switch on once and then switch off.
2. Press briefly the rear button of the remote control. Check that the lights are switched on remain fixed.
3. Press briefly the first top button of the remote control (the one with the greatest intensity). Wait until the lights flash.
4. When the lights stop to flash, the system will be programmed in the remote control.

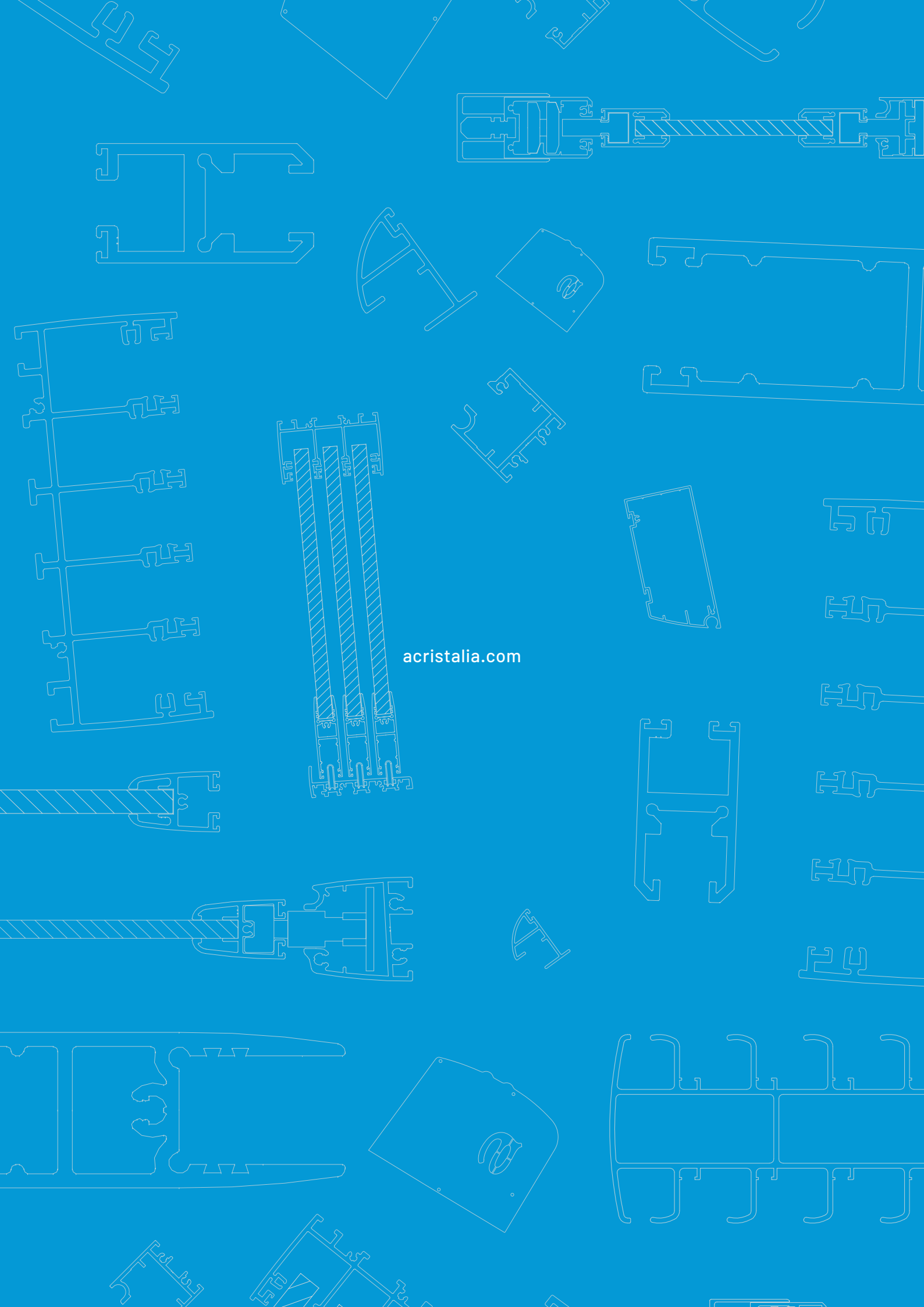


4.8.2. Reprogram the remote control

If the remote control has another programming previously defined or wrongly defined, erase the existing programming and follow the steps below:

1. Switch on the LED lights. The lights will switch on once and then switch off.
2. Press 10 times the rear button of the remote control. Each time you press the button, the lights switch on.

   IMPORTANT: This operation must start within 10 seconds from power on.
3. For the tenth touch, retain pressed the rear button of the remote control. The lights flash. Retain pressed while the lights are flashing and release when the lights are switched on. (it takes around 5 minutes).
4. Now the programming on the remote control is erased and ready to be programmed again following the 3 steps of the Section 1º.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