

How to connect the Airlive SA-103 Roller Shutter to a Curtain motor.

There are several types of Curtain motors and Curtains. The Airlive SA-103 is a AC motor controllers this means that when your curtain uses a DC motor, you would need a convertor box in between.

In this example curtains motors from Bintronic have been used. A DC Track curtain motor and a AC Tubular motor. Motors from other brands can have different connections please check the user guide of your motor for the correct way.

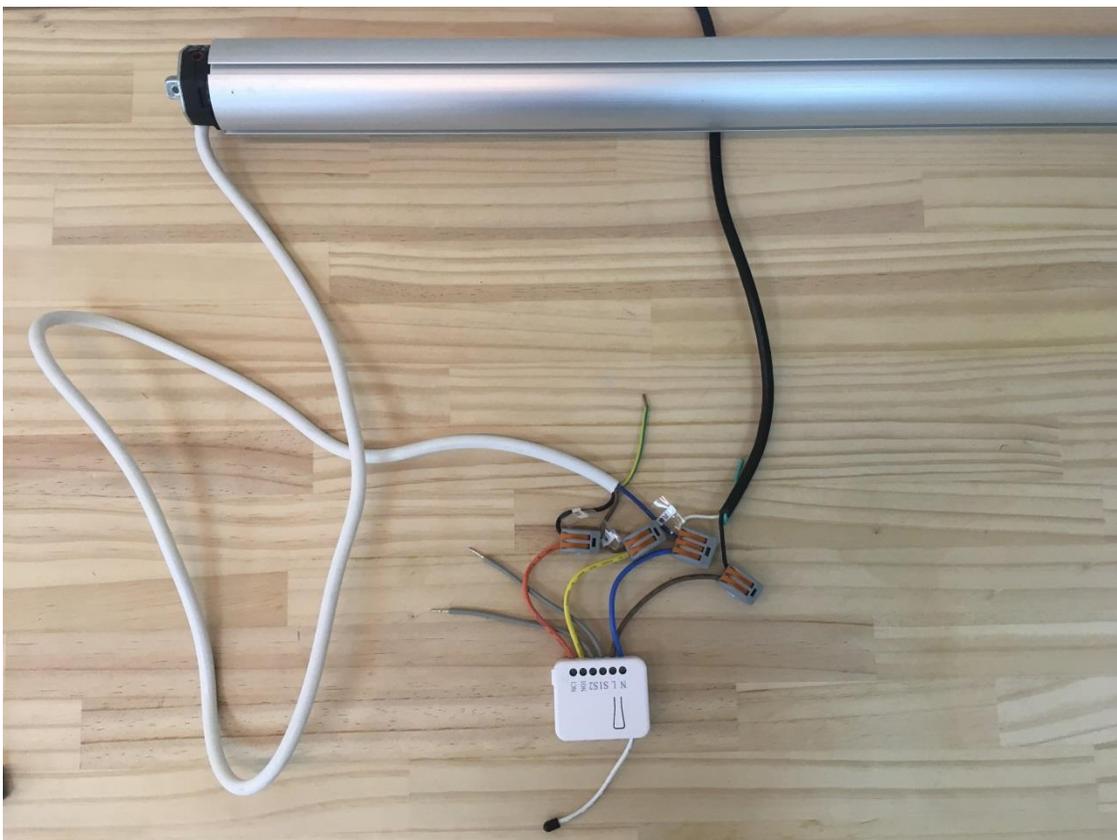


Before connecting the SA-103 make sure you know which cable is your LIVE wire and which one is NEUTRAL. Shut down the mains powers before connecting the SA-103 as Electric shock can cause injurie or dead.

Example 1, connecting a AC Tubular motor.

1.1 Overview:

This shows the complete setup, The Main power cable is connected to the AirLive SA-103 Roller Shutter and the Curtain motor is also connected to the SA-103 and to the Power cable.



1.2 Detailed Connection

In the image below is the detailed connection of the SA-103 and a AC Tubular curtain motor. Also shown is the connection diagram.

Wire Coding and Connection from Right to Left  for below example (wires can have different colors depending on region).

SA-103 Wires

N: Neutral , wire color Blue
 L: Live , wire color Brown
 S1: Switch1, wire color Grey
 S2: Switch2, wire color Grey
 NO1: Normal Open, wire color Yellow
 NC1: Normal Close, wire color Orange

Motor Wires

Blue: Neutral (In some region White)
 Brown: Live (In some region Black)
 Black: Switch (In some region Red)
 Green/Yellow: Earth (In some region Green)

Mains Power

Black: Live (In some region Brown)
 White: Neutral (In some region Blue)

Connect the Neutral Line from Mains Power to both the N on the SA-103 and to the Curtain Motor.
 Connect the Live line from Mains Power to the L on the SA-103.

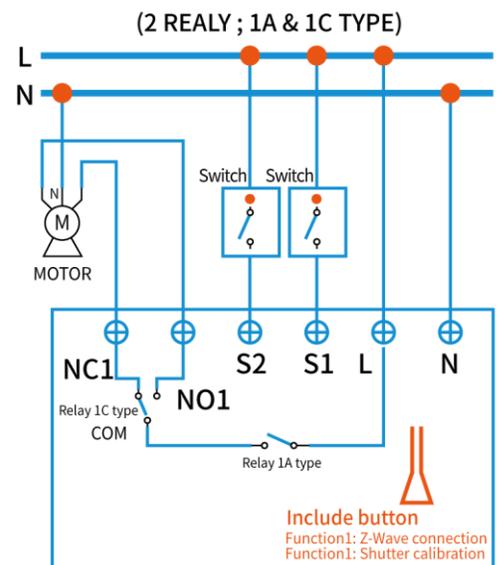
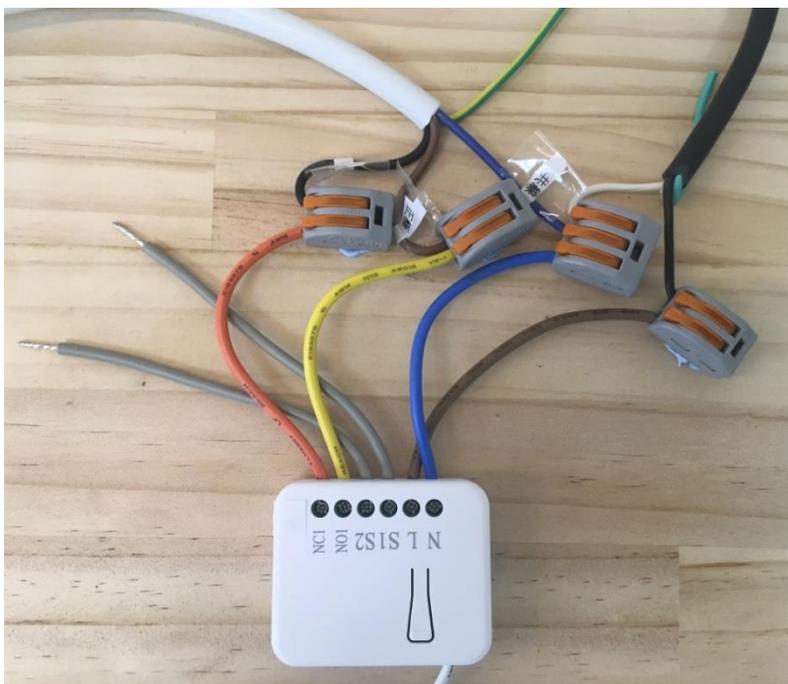
In this example S1 and S2 are not used. These can be used when you have a up and down switch for your curtain. The up and down switch would be connected to S1 and S2.

Connect the Brown Live line from the Motor to the NO1 (Yellow Line) of the SA-103

Connect the Black Switch line from the Motor to the NC1 (Orange Line) of the SA-103.

You can now power on the Main power and Include the SA-103 the red LED will blink on the SA-103. Please see the QIG on how to Include.

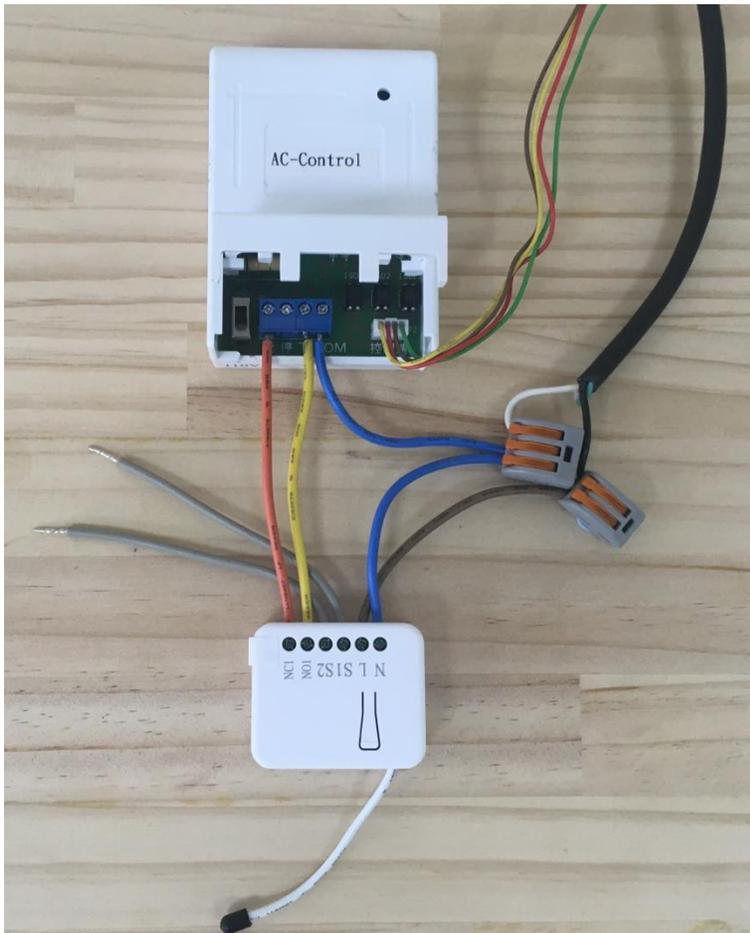
After the SA-103 has been included you can test your curtain in the APP. Open and Close the curtain to see if it moves in the correct way. When it goes in the wrong way then please Switch the Yellow and Orange wire on the SA-103. Please see the QIG for more information!



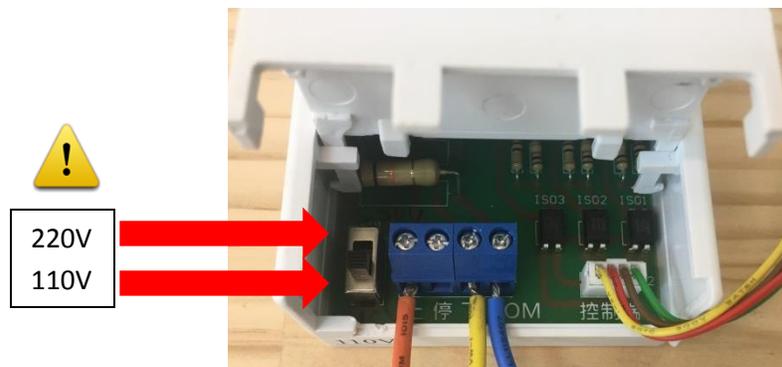
Example 2, connecting a DC Track curtain motor.

2.1 Overview

This shows the complete setup, The Main power cable is connected to the AirLive SA-103 Roller Shutter and to the AC Control box (This box is needed as this is a DC motor). The SA-103 is also connected to the AC- Control box.



*Note the AC Control box used in the example is from Bintronic this model has both 110V and 220V support. Using the wrong voltage could damage your AC-Control box. Please read your product user guide carefully.



2.2 Detailed Connection

In the image below is the detailed connection of the SA-103 and a AC Tubular curtain motor. Also shown is the connection diagram.

Wire Coding and Connection from Right to Left  for below example (wires can have different colors depending on region).

SA-103 Wires

N: Neutral , wire color Blue
L: Live , wire color Brown
S1: Switch1, wire color Grey
S2: Switch2, wire color Grey
NO1: Normal Open, wire color Yellow
NC1: Normal Close, wire color Orange

Mains Power

Black: Live (In some region Brown)
White: Neutral (In some region Blue)

Connect the Neutral Line from Mains Power to both the N on the SA-103 and to AC control box.

Connect the Live line from Mains Power to the L on the SA-103.

In this example S1 and S2 are not used. These can be used when you have switch for your curtain. The switch would be connected to S1 and S2.

Connect the Yellow line NO1 of the SA-103 to the 3th connection point on the AC box.

Connect the Orange line NC1 of the SA-103 to the 1st connection point on the AC box.

You can now power on the Main power and Include the SA-103 the red LED will blink on the SA-103.

Please see the QIG on how to Include.

After the SA-103 has been included you can test your curtain in the APP. Open and Close the curtain to see if it moves in the correct way. When it goes in the wrong way then please Switch the Yellow and Orange wire on the SA-103. Please see the QIG for more information!

