Installation videos

RF emitter and receiver

Technical instructions

SIREM

Technical Instructions product specification-5100-1_12

24VDC RF emitters and receivers for pool cover motors

Change history		
Index	Description of the change	Date
00	Creation of document	09/11/2015
07	Reminder of the standard - chapter 1	26/11/2015
08	Product codes in 868 MHz (and 433 MHz)	30/03/2017
09	Removal of 868 MHz product codes and modified allocation of buttons A, B and X	11/06/2018
10	Remote control wiring added to the 402x box	24/07/2023
11	Photo + 2-channel board in box updated	19/06/2025
12	QR code for installation video tutorials added – Formatting updated – 3000 box removed	07/10/2025

1. Contents

2. Warnings

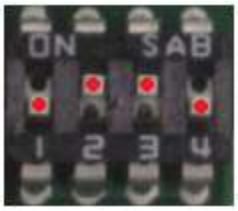
2.1. Cabling a key box in parallel

The relay board acts as a key box. It is perfectly possible to cable a 3-position key box (common, direction 1, direction 2) in parallel to our receiver boards.

However, care must be taken never to activate the remote control in direction 1 while the key box is activated in direction 2: for certain above-ground motors, activating both direction 1 and direction 2 can be equivalent to pressing the reset button.

2.2. Do not change the 4 switches

The boards are delivered with the following switch positions:



IMPORTANT	**The position of these switches must never be modified.**

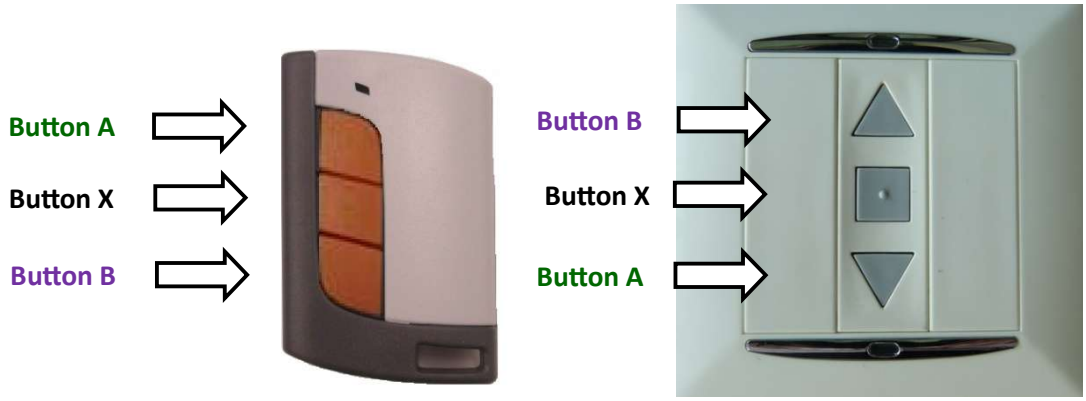
2.3. Circuit board power supply

The board's supply must be dimensioned to be able to provide 25 mA permanently to the board.

Take care with solar systems which, in many cases, cannot tolerate this consumption (the batteries rapidly lose their charge).

3. Child safety feature - locking and unlocking (3-channel SRC board only)

The 3-channel SRC electronic circuit board has a locking feature to prevent any involuntary action.



Sequence for unlocking the electronic board:

- Press ***Button A AND Button B*** for **5 seconds** minimum. The electronic board then beeps.
- Then press ***Button X*** once. The board beeps twice.

Installation videos

Link to videos

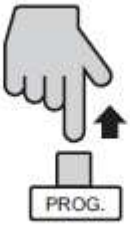
4. Board / remote control pairing

IMPORTANT	Each new remote control must be paired to the board.

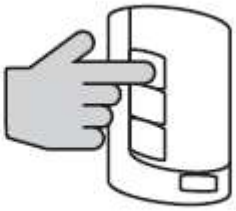
The procedure is as follows:

Press the programming button for at least 1.5 seconds...

... until a BEEP sounds



Release the programming button



Press **Button 1** once

The press is confirmed with a BEEP

Wait 10 seconds

The operation is confirmed with a double BEEP

The pairing is complete

5. Reminder of the standard

Chapter 10.1 of standard NF P90-308 of December 2023 stipulates (extract):

"The command mechanism must be in maintained contact during the closing manoeuvre."

“The safety feature of the cover control device is characterised by its automatic or manual locking mechanism, or by its removal, which render it inoperable and allow it to be stored out of the reach of children."

“During the manoeuvre, the location and use of the control device must allow the operator to verify that no one is entering the pool and to immediately physically intervene if a person (especially a child under 5 years of age) enters the pool."

IMPORTANT	The user must take all provisions to ensure final compliance of the installation with standard NF P90-308.

6. Product codes

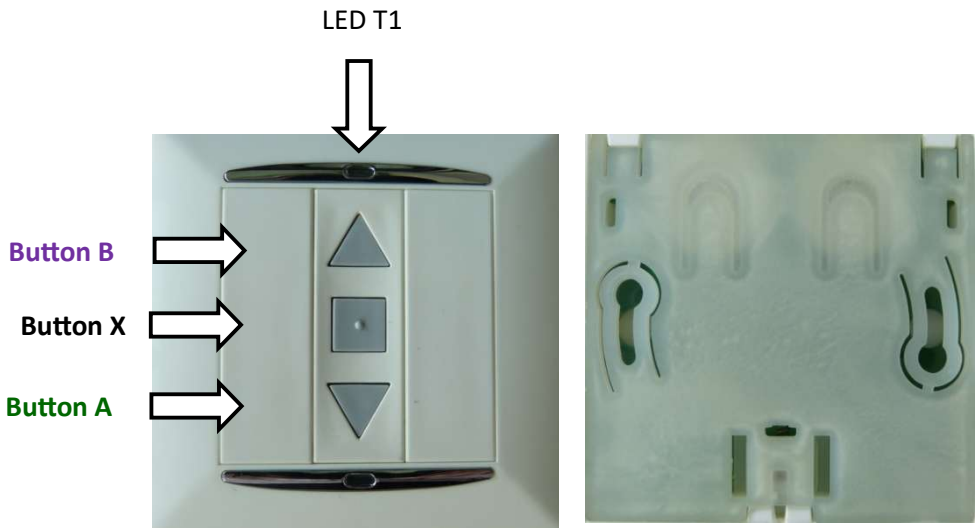
Each of the 2 types of emitters (wall-mounted AND portable) functions with each of the 2 types of relay boards (2-channel SRM AND secure 3-channel SRC).

These products only operate on the 868 MHz frequency.

Product	Image	Product code on 868 MHz
Wall-mounted emitter with 3 push buttons		47 3000 0066
Portable emitter with 3 push buttons		47 3000 0067
24VDC relay box 2-channel SRM		47 3000 0071E
Secure 24VDC relay box 3-channel SRC (Complies with standard NFP 90-308)		47 3000 0069E

7. Description of the parts

7.1. Wall-mounted emitter with 3 push buttons



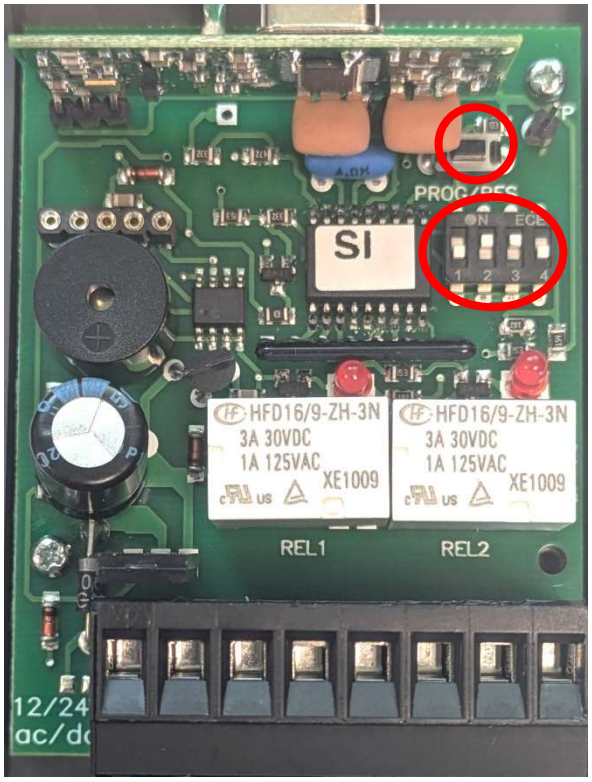
Power supply: 2 CR 2430 3V batteries – Supplied

7.2. Portable emitter with 3 push buttons

Power supply: 1 A23 12V battery – Supplied

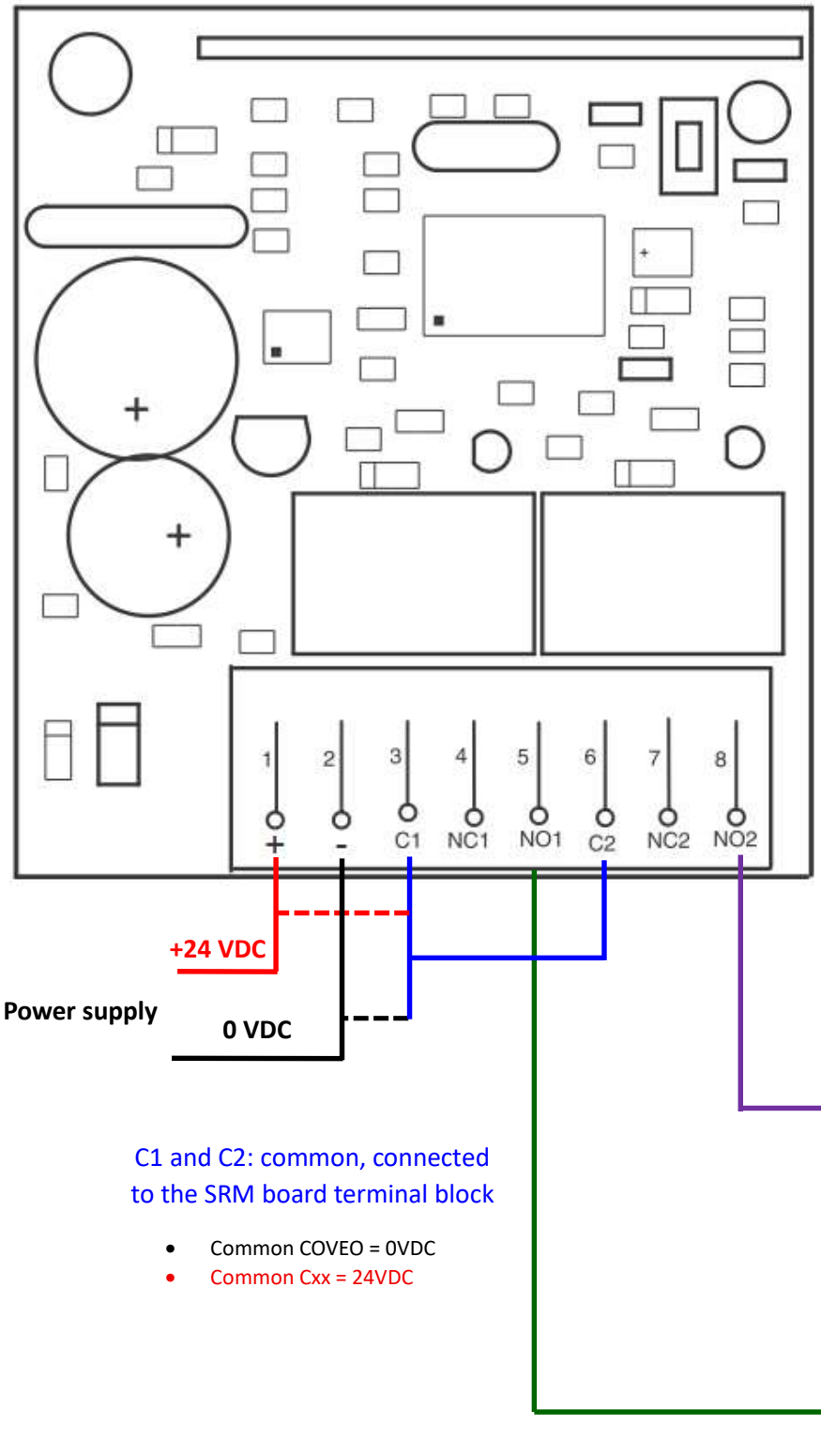
7.3. 2-channel SRM relay board

24 VDC/VAC 2-channel SRM relay – 1 Amp/30 VDC – 25 mA relay



Programming button

4 configuration switches

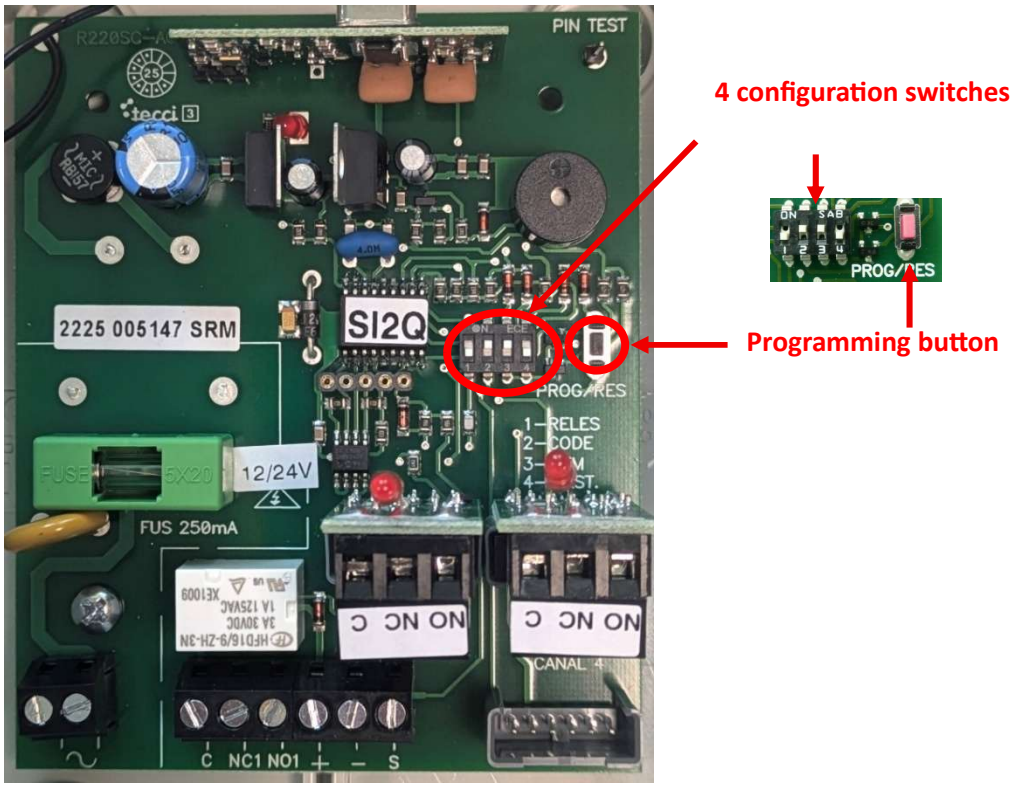


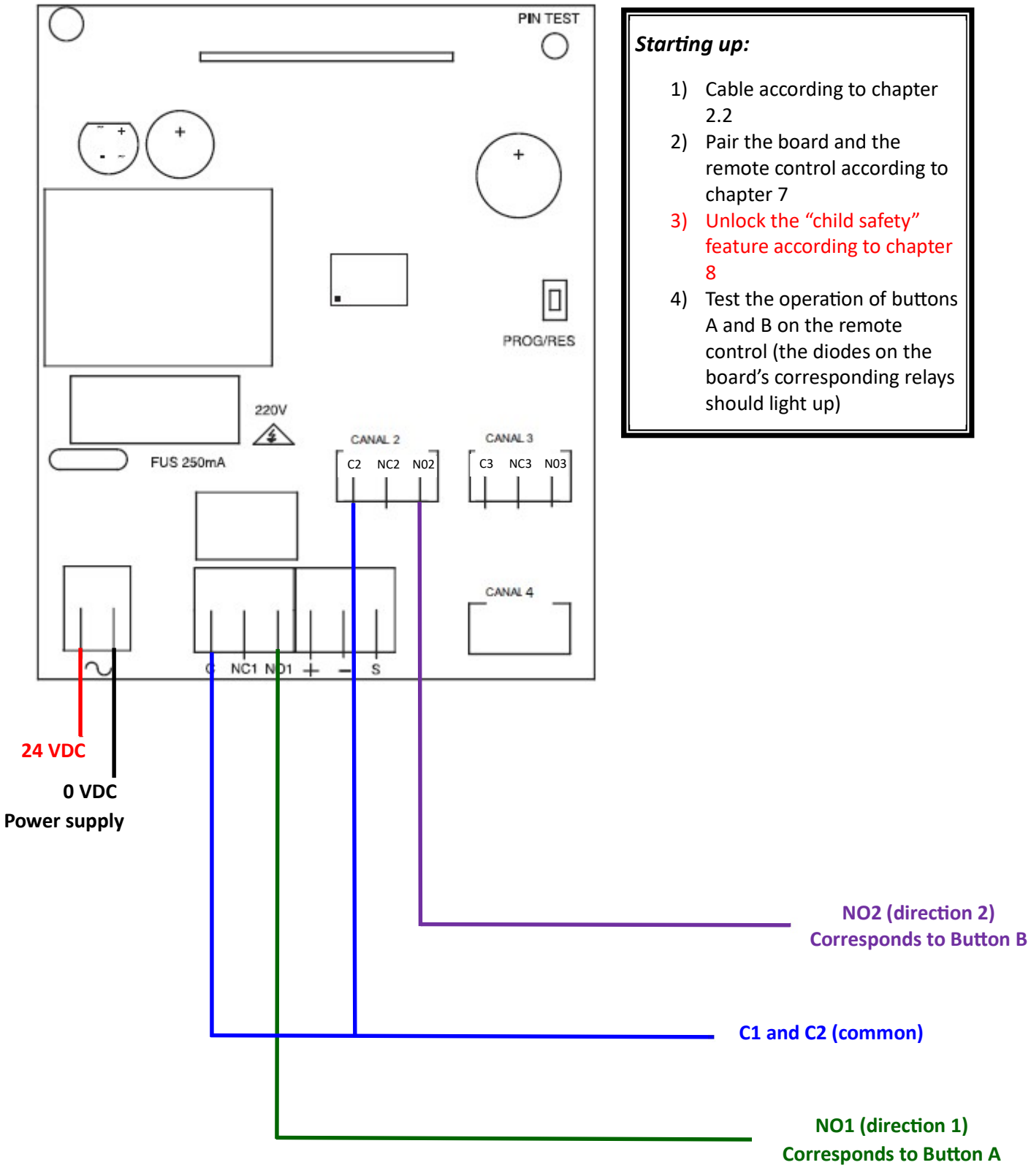
Starting up:

1) Cable according to chapter 2.1
2) Pair the board and the remote control according to chapter 7
3) Test the operation of buttons A and B on the remote control (the diodes on the board's corresponding relays should light up)

7.4. 3-channel SRC relay board

24 VDC/VAC secure 3-channel SRC relay – 1 Amp/30 VDC – 25 mA relay



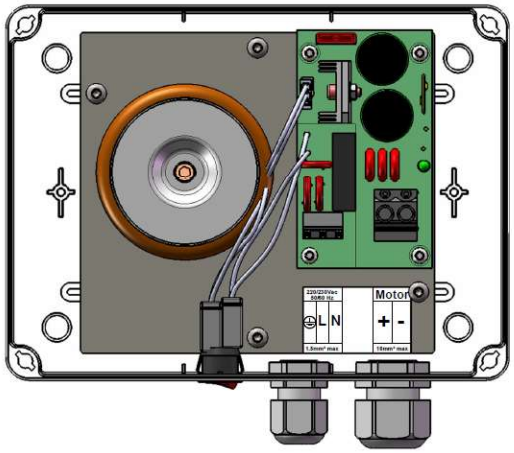


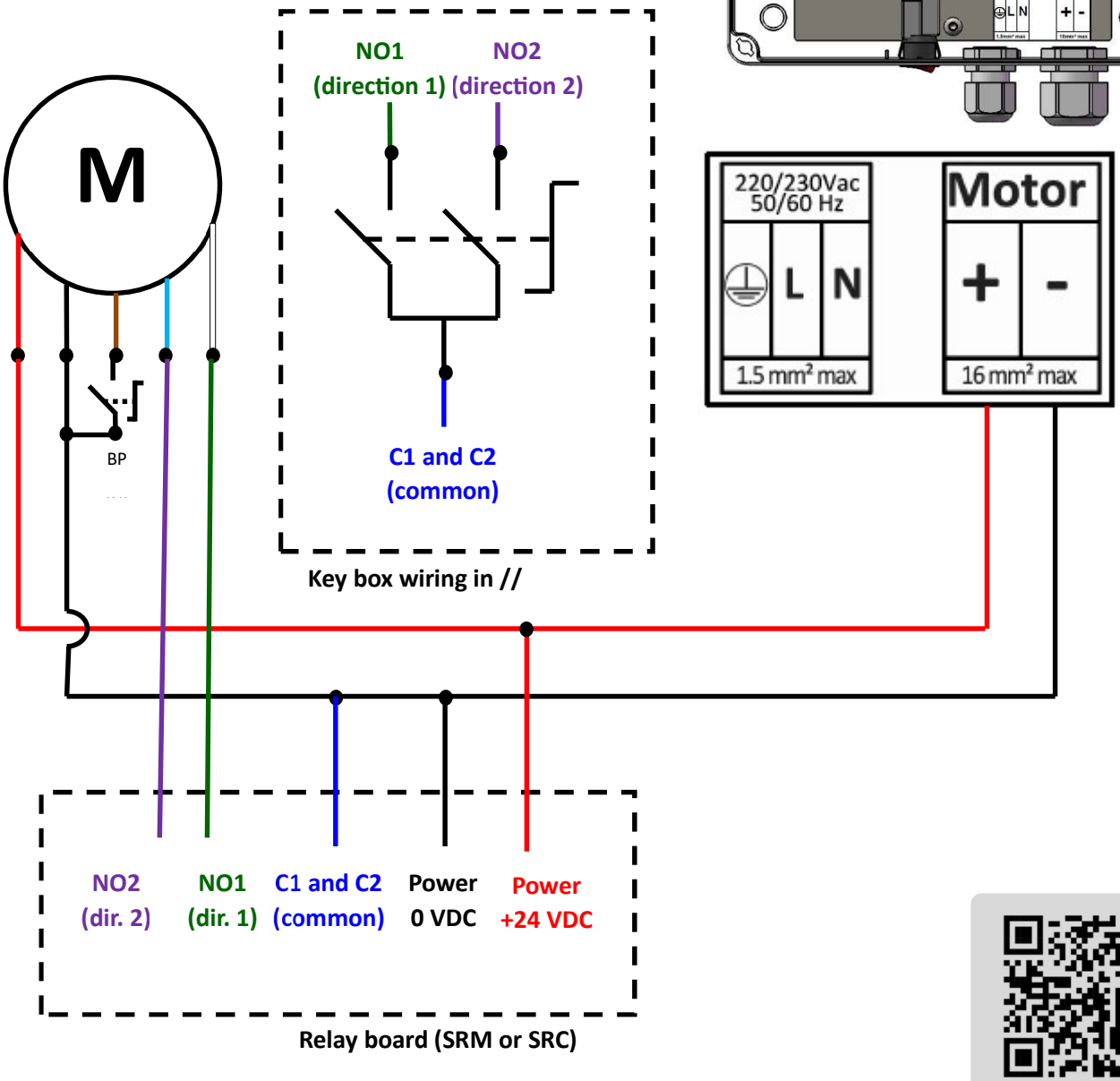
Starting up:

1) Cable according to chapter 2.2
2) Pair the board and the remote control according to chapter 7
3) Unlock the "child safety" feature according to chapter 8
4) Test the operation of buttons A and B on the remote control (the diodes on the board's corresponding relays should light up)

8. Connection to SIREM boxes and motors

8.1. Cabling for COVEO Above-ground – H range





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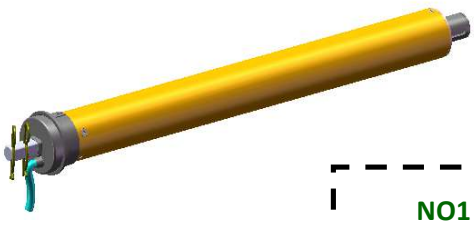
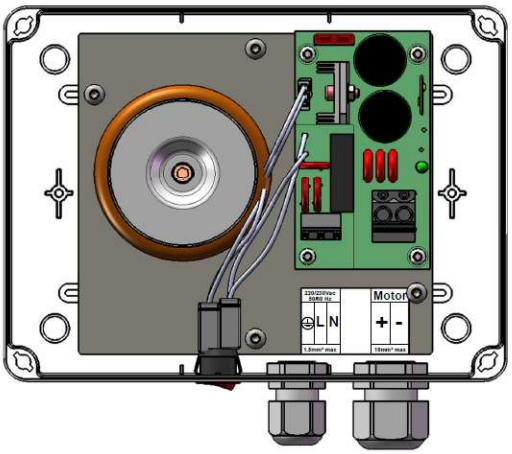
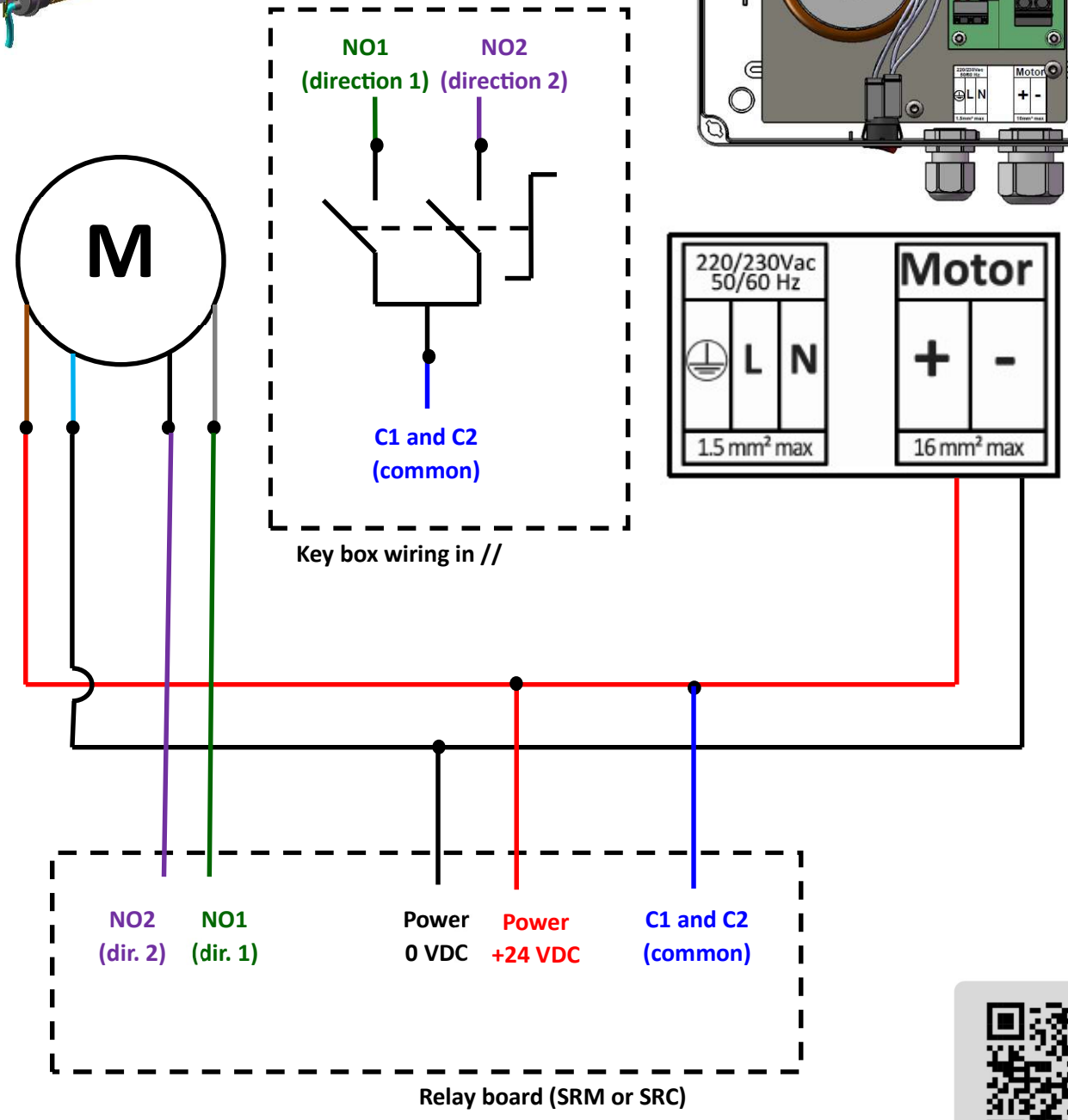
8.2. Cabling for COVEO Above-ground – C range







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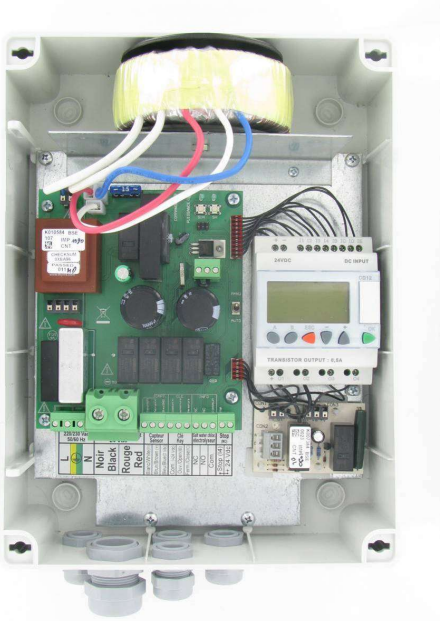
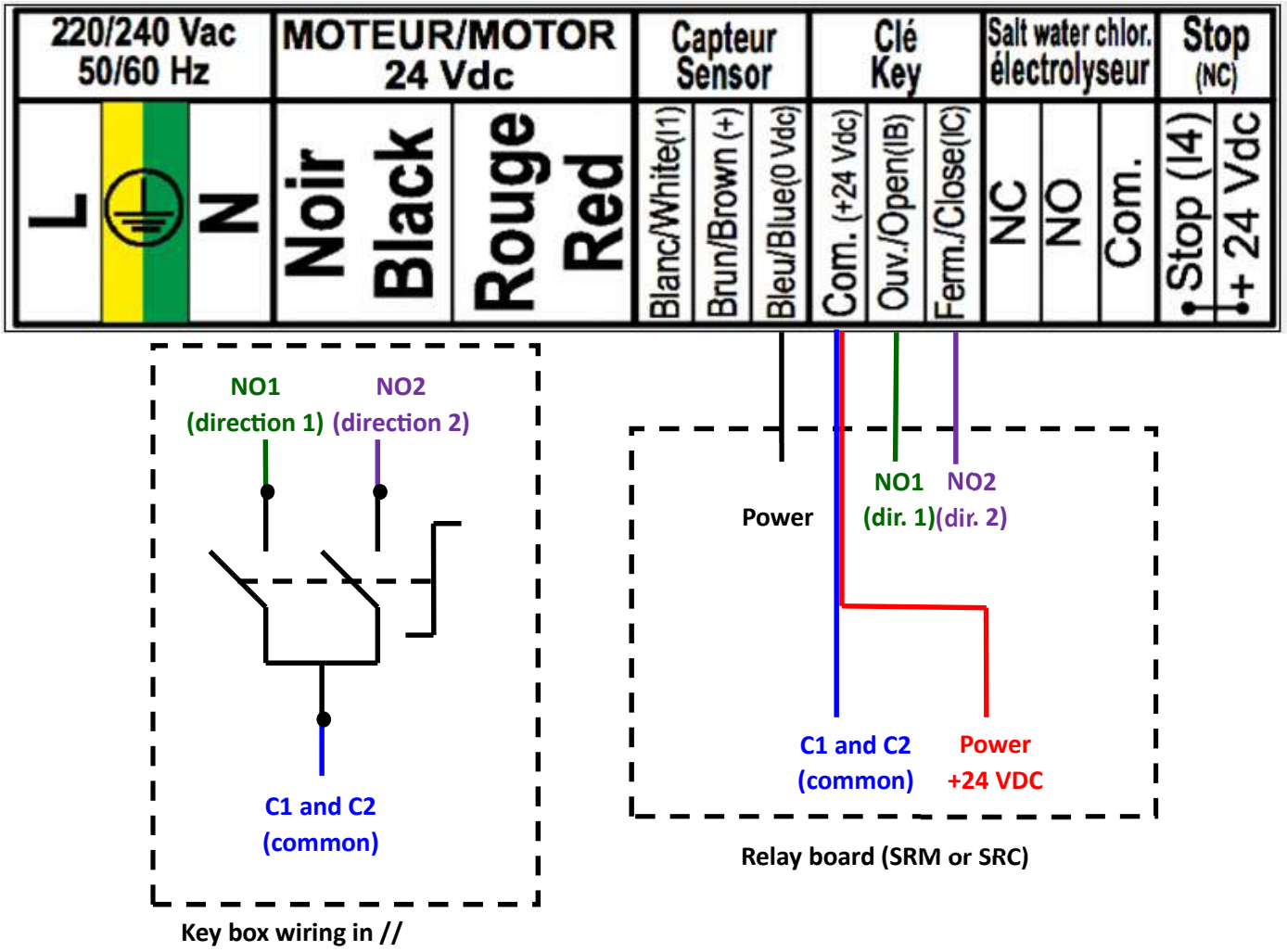
8.3. Cabling for immersed COVEO – IM range – V2.2 box





8.4. Cabling for immersed COVEO – IM range– 4020 box

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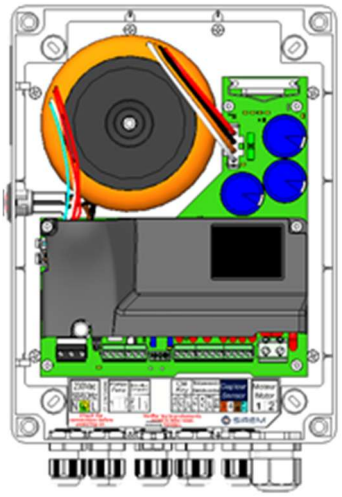
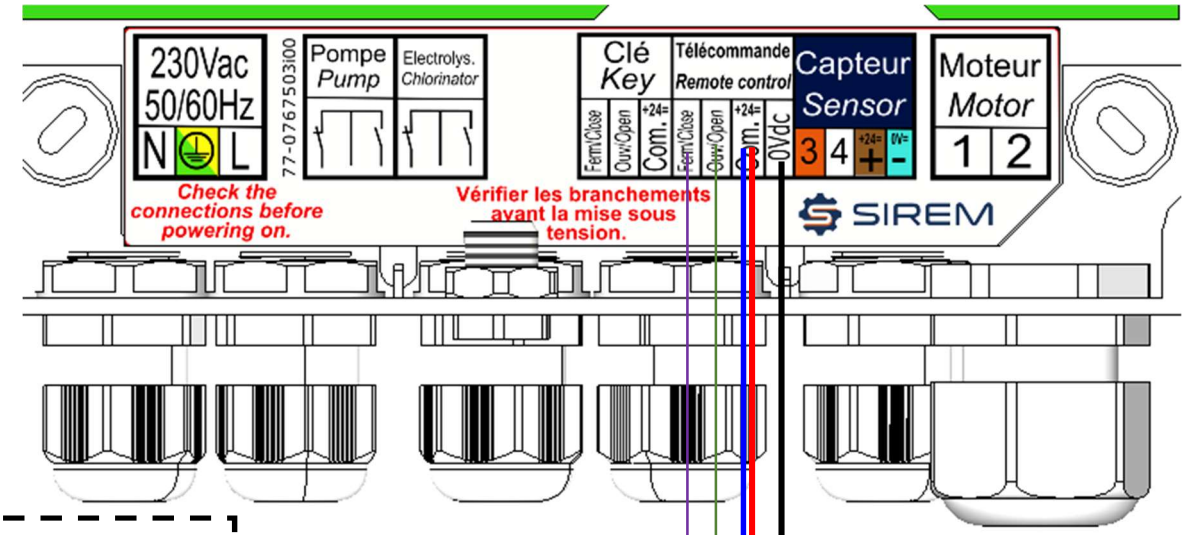
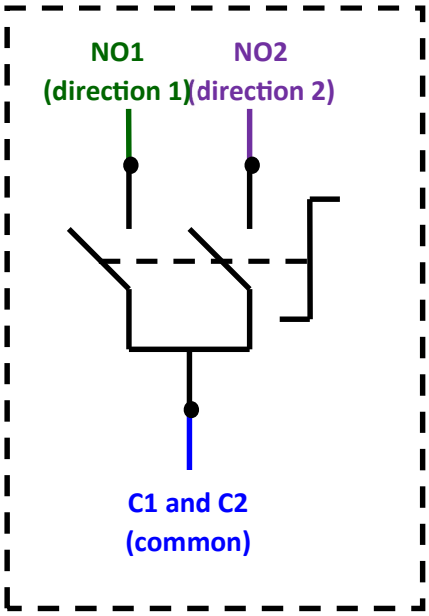
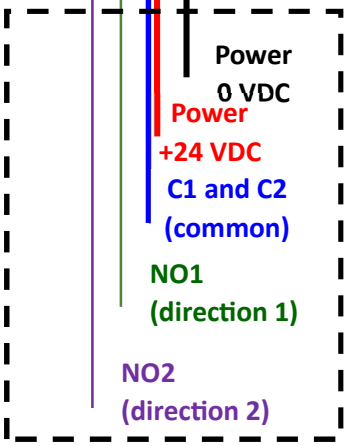






Key box wiring in //



Relay board (SRM or SRC)