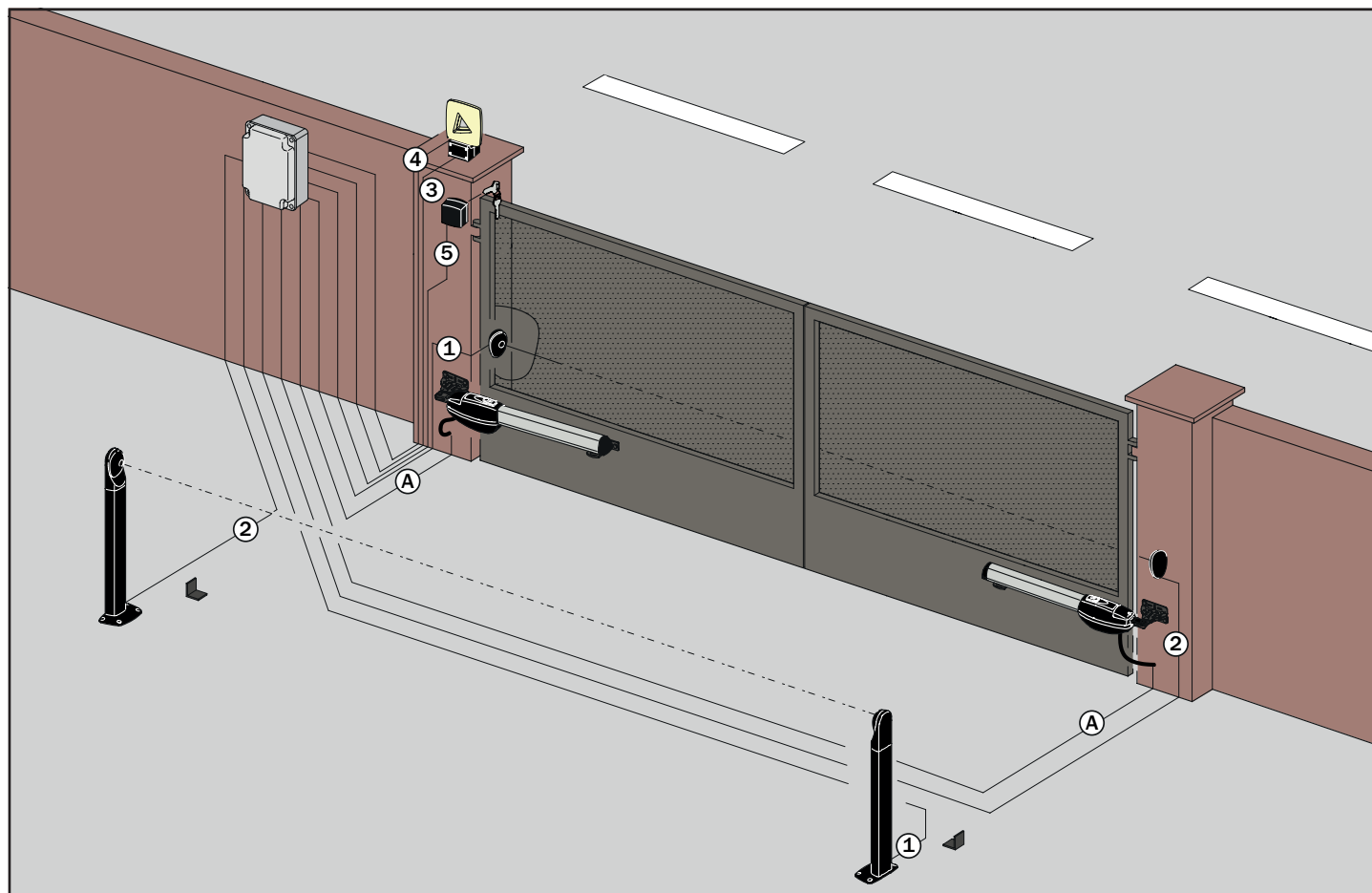


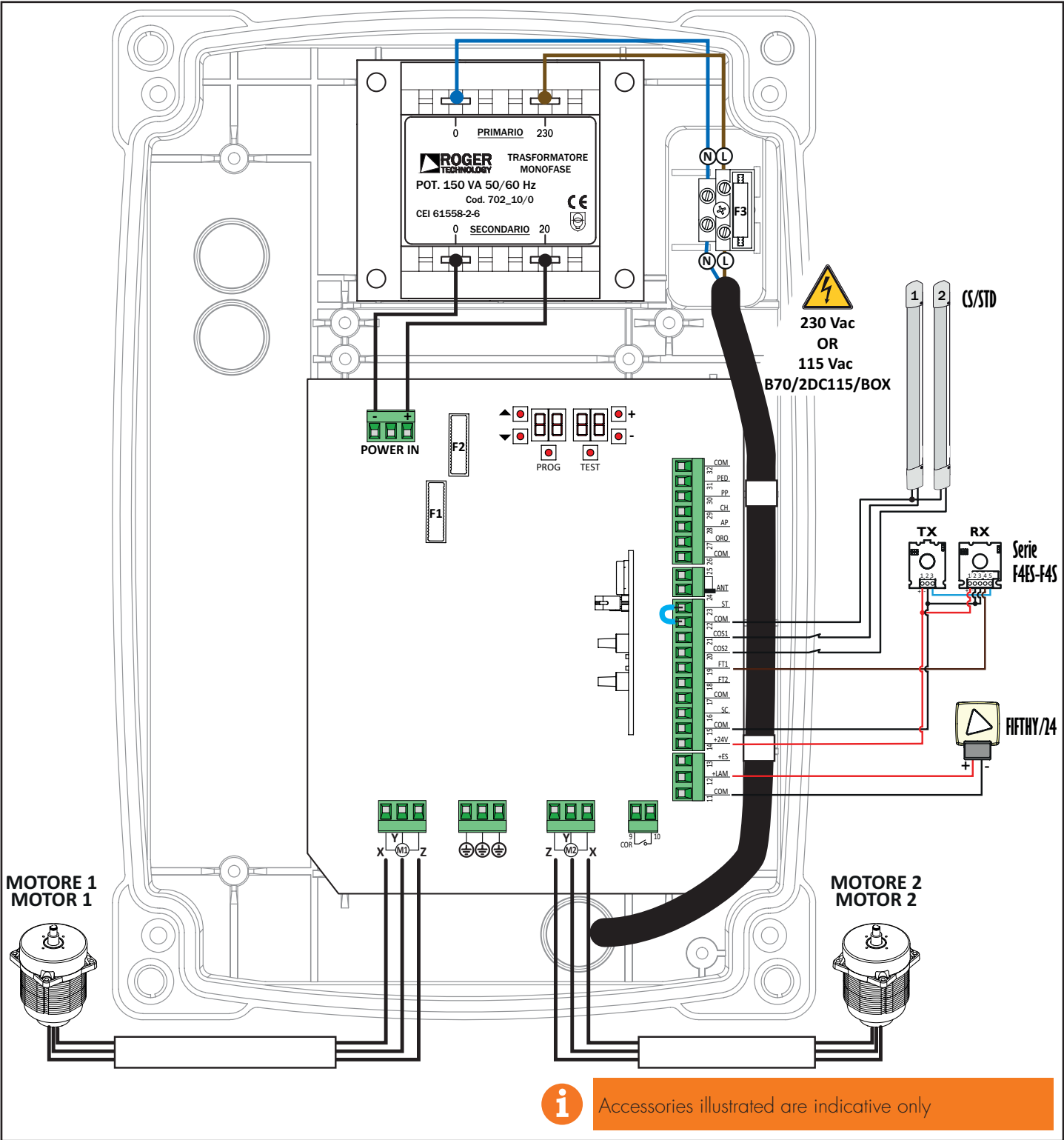
B70/2DC is the range of 24V DC digital controllers installed in the swing gates product.

## 1. Typical installation

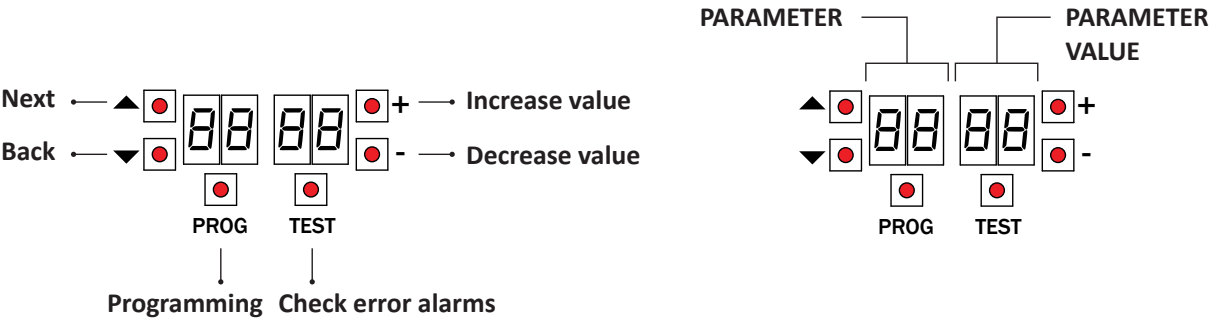


<b>(A)</b>	Power supply B70/2DC - Motors	3x2,5 mm <sup>2</sup> double insulated cable (max.10 m) - 3x4 mm <sup>2</sup> (max. 30 m)
<b>(1)</b>	Photocell - Receiver	5x0,5 mm <sup>2</sup> double insulated cable (max.20 m)
<b>(2)</b>	Photocell - Transmitter	3x0,5 mm <sup>2</sup> double insulated cable (max.20 m)
<b>(3)</b>	Flashing lamp unit	2x1 mm <sup>2</sup> double insulated cable (max.10 m)
<b>(4)</b>	Antenna	RG58 50 Ohm cable for external use (max.10 m)
<b>(5)</b>	Selector / Keypad	3x0,5 mm <sup>2</sup> cable (max.20 m)

2. Electrical connections

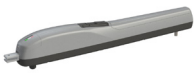

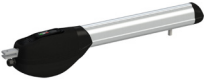





3. Display: functions and settings

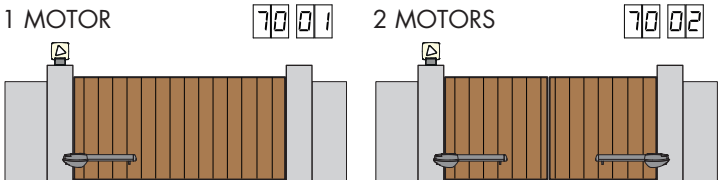


4. Before starting ...

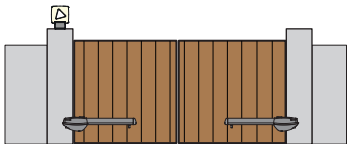
a) Select the automation system model installed with the parameter *A 1*.

<div><div>A</div><div>1</div><div>0</div><div>1</div></div>	BM20 Series		<div><div>A</div><div>1</div><div>0</div><div>4</div></div>	BR21 Series	
<div><div>A</div><div>1</div><div>0</div><div>2</div></div>	BR20 Series		<div><div>A</div><div>1</div><div>0</div><div>5</div></div>	BE20 Series	
<div><div>A</div><div>1</div><div>0</div><div>3</div></div>	BH23 Series			MONOS4	

b) Select the number of motors installed with the parameter *70*. This parameter is set for two motors by default.

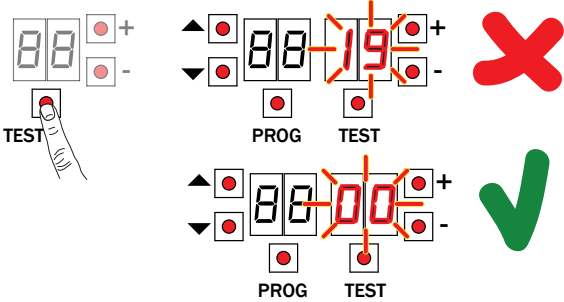


c) Position the mechanical stops in both the open and closed positions by tightening them very tightly.



d) Move the gate into the completely CLOSE position.

e) Press the TEST button.



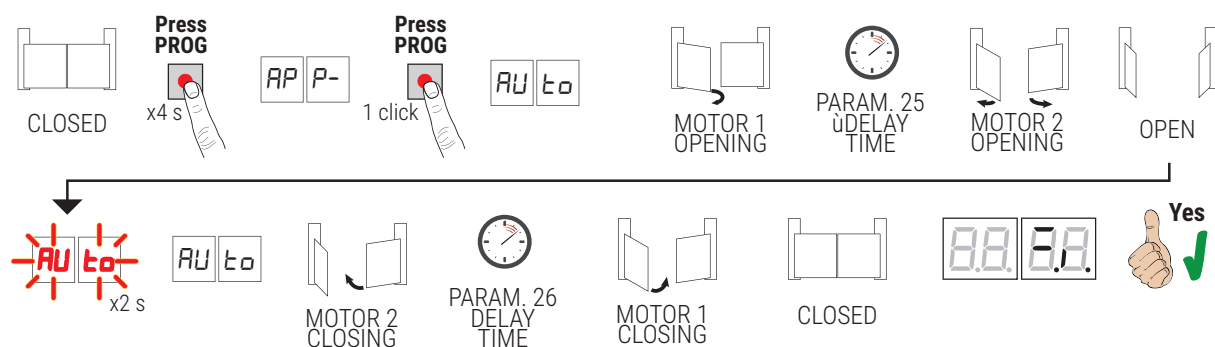
Possible alarms and safety device messages:

00	No safety device in alarm state and no limit switch activated.
23	STOP contact (N.C.) open. Jumper the STOP contact.
21	Sensing edge contact COS1 (N.C.) is open. Check connection. If sensing edge is not installed, disable with 73 00.
20	Sensing edge contact COS2 (N.C.) is open. Check connection. If sensing edge is not installed, disable with 74 00.
19	Photocell contact FT1 (N.C.) is open. Check connection. If photocell is not installed, disable with 50 00.
18	Photocell contact FT2 (N.C.) is open. Check connection. If photocell is not installed, disable with 53 00.
27	Limit switch in open MOTOR 1 (BH23 Series, if enabled - 72 01).
20	Limit switch in open MOTOR 2 (BH23 Series, if enabled - 72 01).

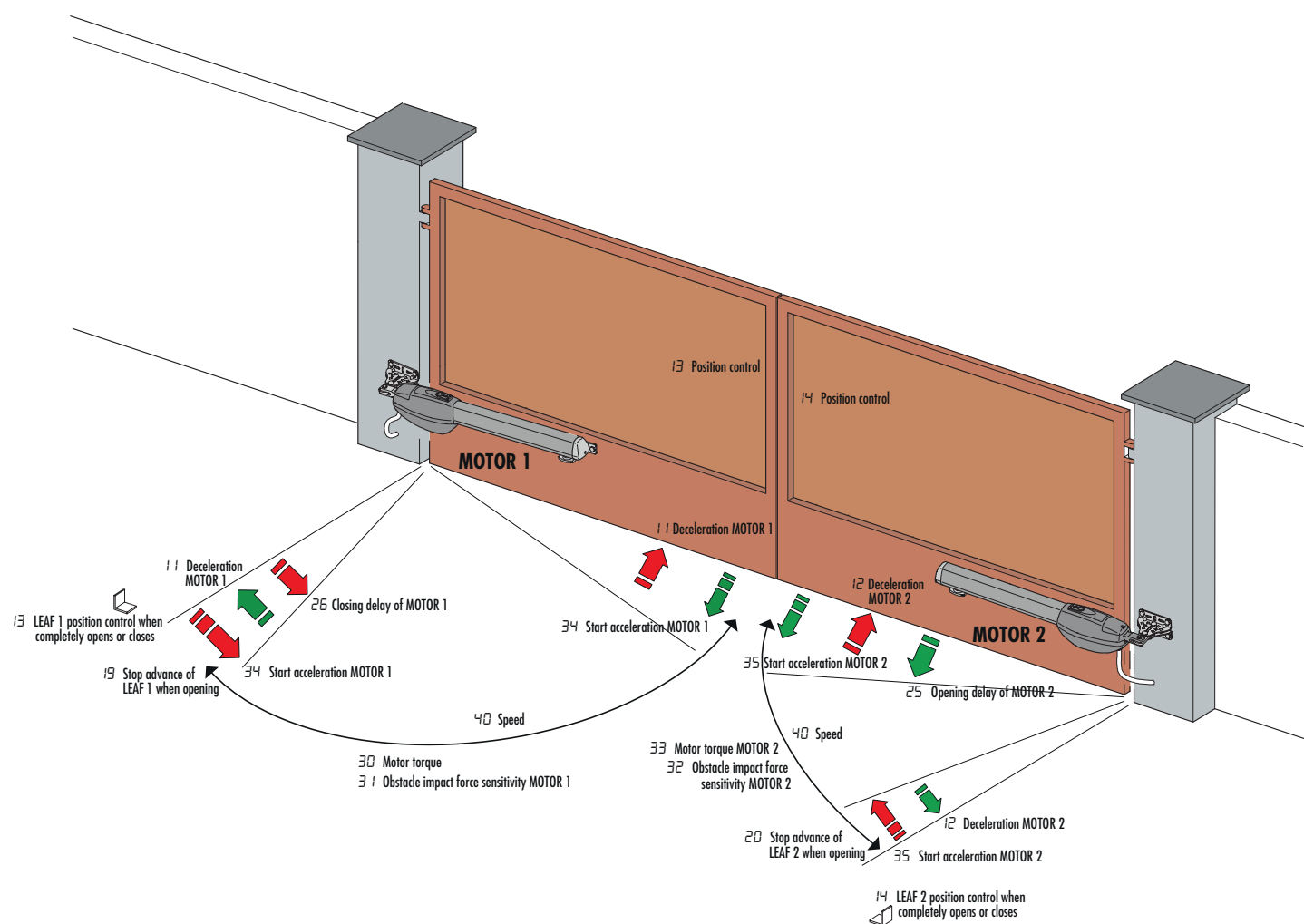
SEE ACQUISITION PROCEDURE

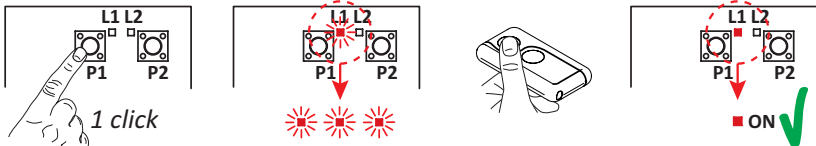
## 5. Acquisition procedure

1. Press and hold PROG for 4 seconds.
2. APP- appears on the display.
3. Press PROG.
4. AUTO appears on the display.
5. MOTOR 1 starts opening at low speed.
6. After the delay time set with parameter 25, MOTOR 2 starts an opening manoeuvre.
7. Once the gate is open, the message AUTO flashes on the display.
8. The message AUTO stops flashing.
9. MOTOR 2 starts closing.
10. After a delay set with parameter 26, MOTOR 1 closes.
11. When the gate is closed, the safety device symbols are displayed.



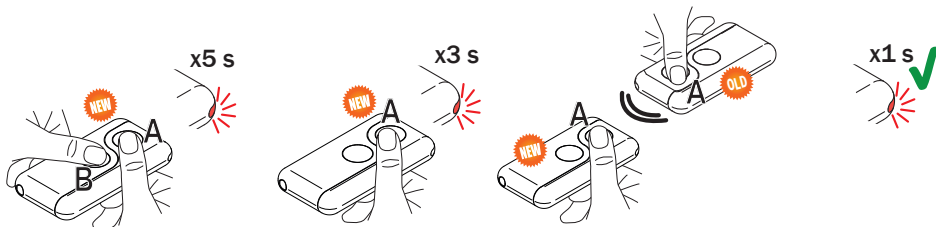
## 6. Setting basic parameters





1. Press channel P1 (P2) of the receiver.
2. When LED L1 (L2) flashes 3 times (or 4 times with rolling code function), press any button on the transmitter.
3. If LED L1 (L2) remains steadily lit the transmitter has been stored correctly.

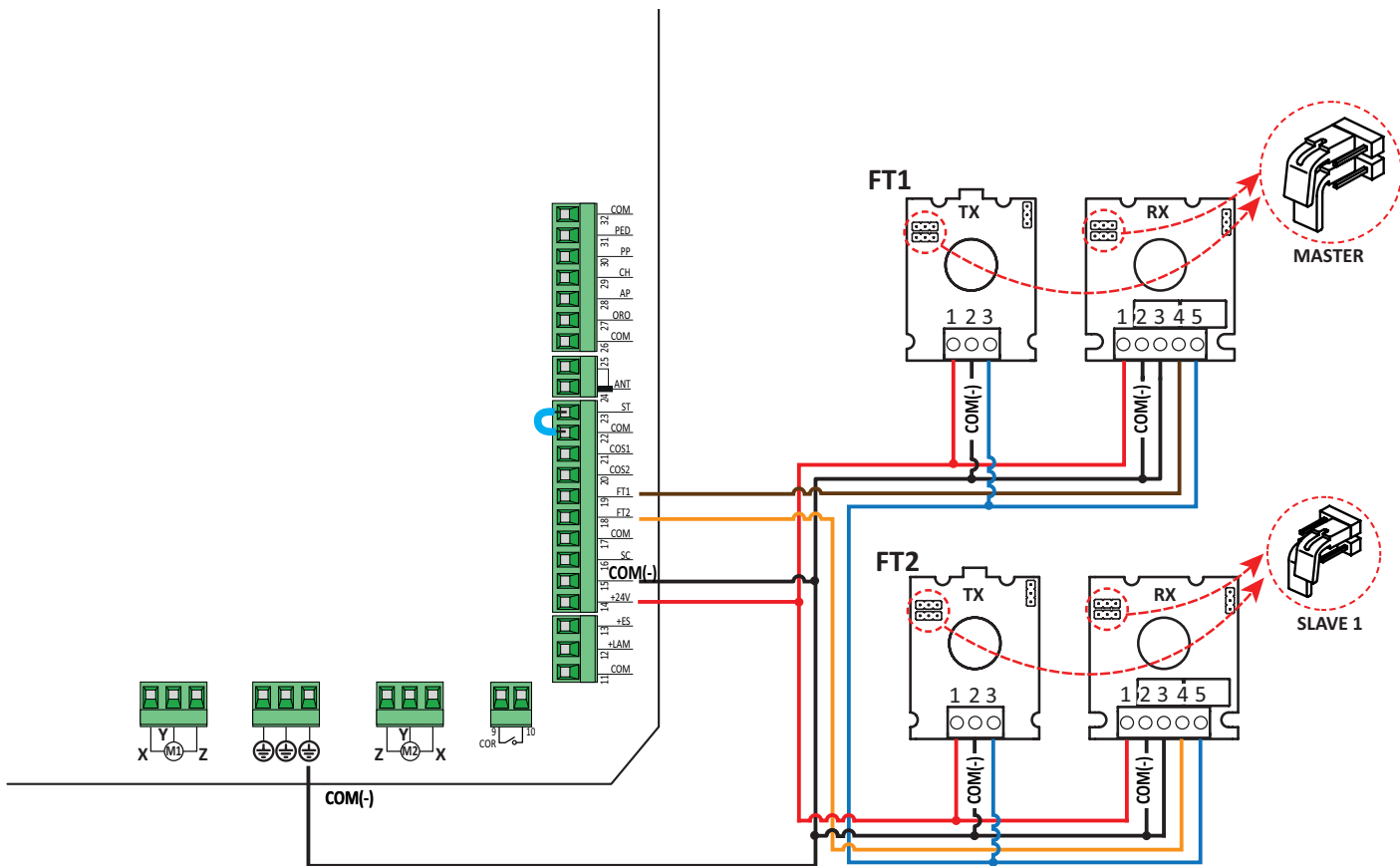
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1. Press buttons A and B on the NEW transmitter simultaneously.
2. The LED flashes for 5 s.
3. Hold button (A) only on the NEW transmitter you want to store.
4. The LED flashes 3 s.
5. Hold the previously stored transmitter as close as possible to the NEW transmitter.
6. Press button (A) on the OLD transmitter.
7. The LED lights for 1 s to confirm that the copy procedure was successful.

**Grounding connection negative terminal (COM) photocells series F4ES/F4S or other than Roger Technology**

In case of malfunction, or failure to intervene in case of dimming, or continuous detection, or abnormal behaviour of the automation (gate, overhead door, barrier, etc.), it is advisable to connect the negative terminal (COM) of the photocells to the grounding of the system.



For complete information concerning the control unit, the motor and the accessories mentioned in this quick guide, see the technical manuals available in the B2B area of the website [www.rogertechnology.it](http://www.rogertechnology.it)