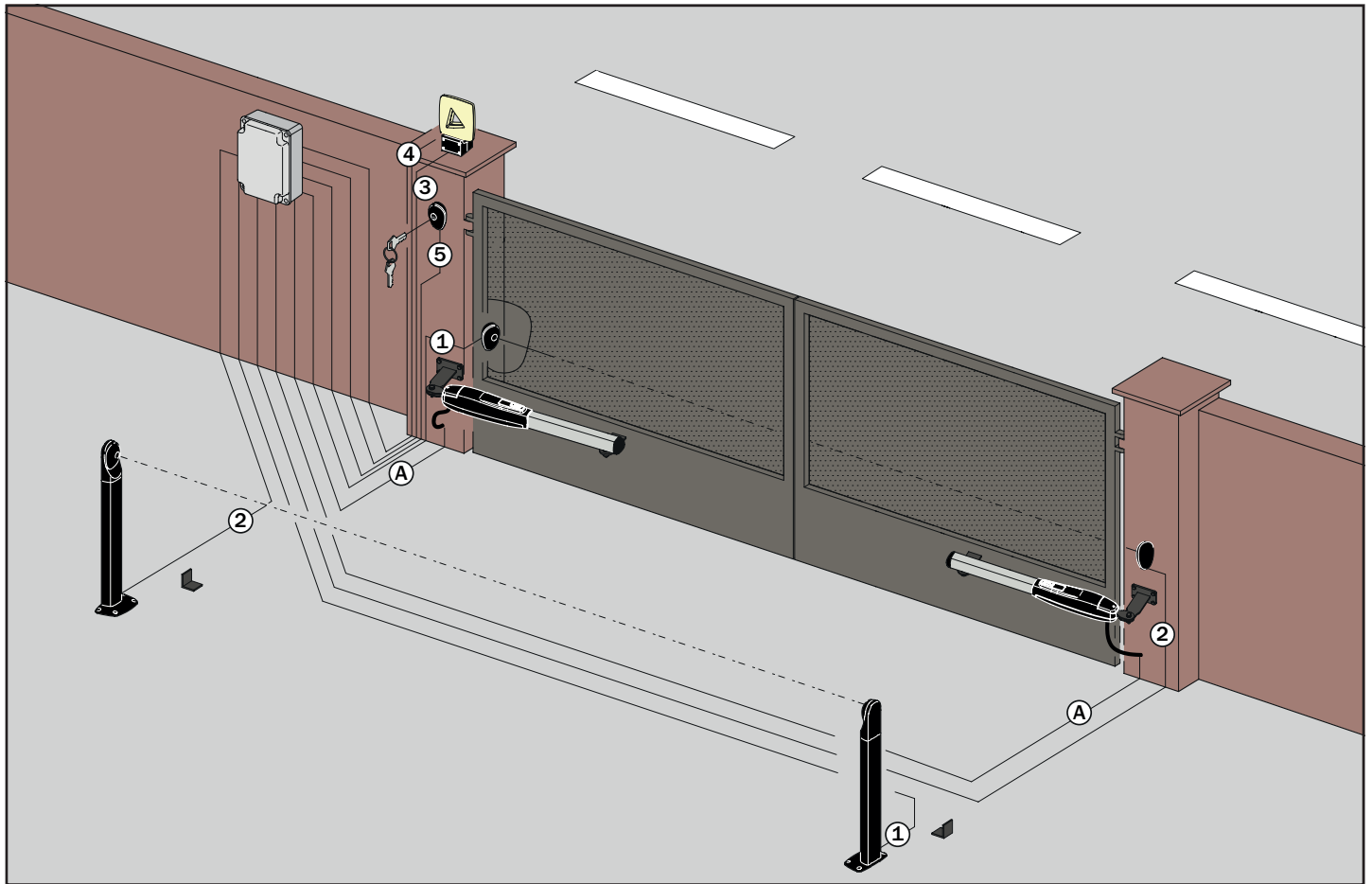


EDGE1 is the range of 36V DC digital controllers installed with the swing gates applications.

1. Typical installation (purely for information)



(A)	EDGE1 - Motors connection	3x2,5 mm ² double insulated cable (max 10 m) - 3x4 mm ² (max 30 m)
(1)	Photocell - Receiver	5x0,5 mm ² double insulated cable (max 20 m)
(2)	Photocell - Transmitter	3x0,5 mm ² double insulated cable (max 20 m)
(3)	Flashing lamp unit	2x1 mm ² double insulated cable (max 10 m)
(4)	Antenna	RG58 or KX6 50 Ohm cable for external use (max 10 m)
(5)	Selector / Keypad	3x0,5 mm ² cable (max 20 m)

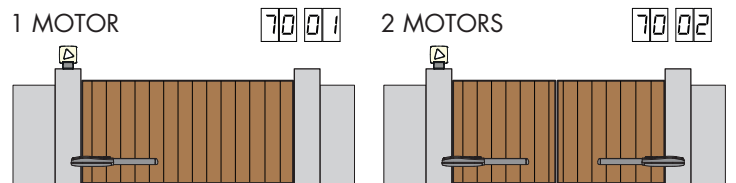
4. Before starting ...

a) Select the automation system model installed with the parameter *R1*.

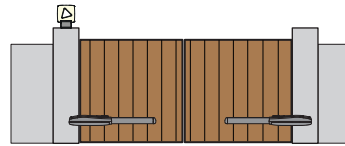
	BE20/200/HS				SMARTY 5R5 *		
	BR20 Series				SMARTY 4HS		
	BH23/282				BH23/252/HS		
	BR21 Series				BR21/351/HS		
	SMARTY 5				BE20/400		
	SMARTY 7				MONOS4		
	SMARTY 7R *				BR20/400/R		

* the parameter *R1 01* must be set and SMARTY/EMA installed for all applications with the SMARTY REVERSIBLE motor.

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

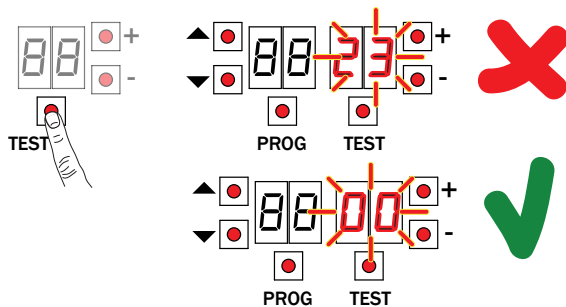


c) Position the mechanical stops in both the open and closed positions by tightening them very tightly.



d) Move the gate into the completely CLOSE position.

e) Press TEST button



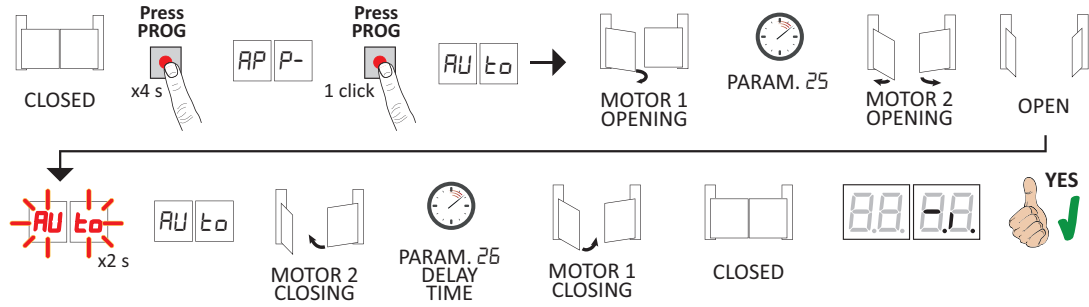
Possible alarms and safety device messages:

00	No safety device in alarm state and no limit switch activated.
27	STOP contact (N.C.) open. Jumper the STOP contact.
25	Sensing edge contact COS1 (N.C.) is open. Check connection. If sensing edge is not installed, disable with <i>73 00</i> .
24	Sensing edge contact COS2 (N.C.) is open. Check connection. If sensing edge is not installed, disable with <i>74 00</i> .
23	Photocell contact FT1 (N.C.) is open. Check connection. If photocell is not installed, disable with <i>50 00</i> .
22	Photocell contact FT2 (N.C.) is open. Check connection. If photocell is not installed, disable with <i>53 00</i> .
<i>dAtA</i>	Incorrect travel length values / Parameter <i>71</i> modified: enabling absolute encoder (only SMARTY Series). <ul style="list-style-type: none"> • Disconnect from mains power or remove the main fuse (F3) and wait 5 seconds. • Reconnect to mains power or refit the fuse. • Press and hold PROG until the message <i>dAtA</i> and <i>APP-</i> appear on the display. Repeat acquisition procedure.

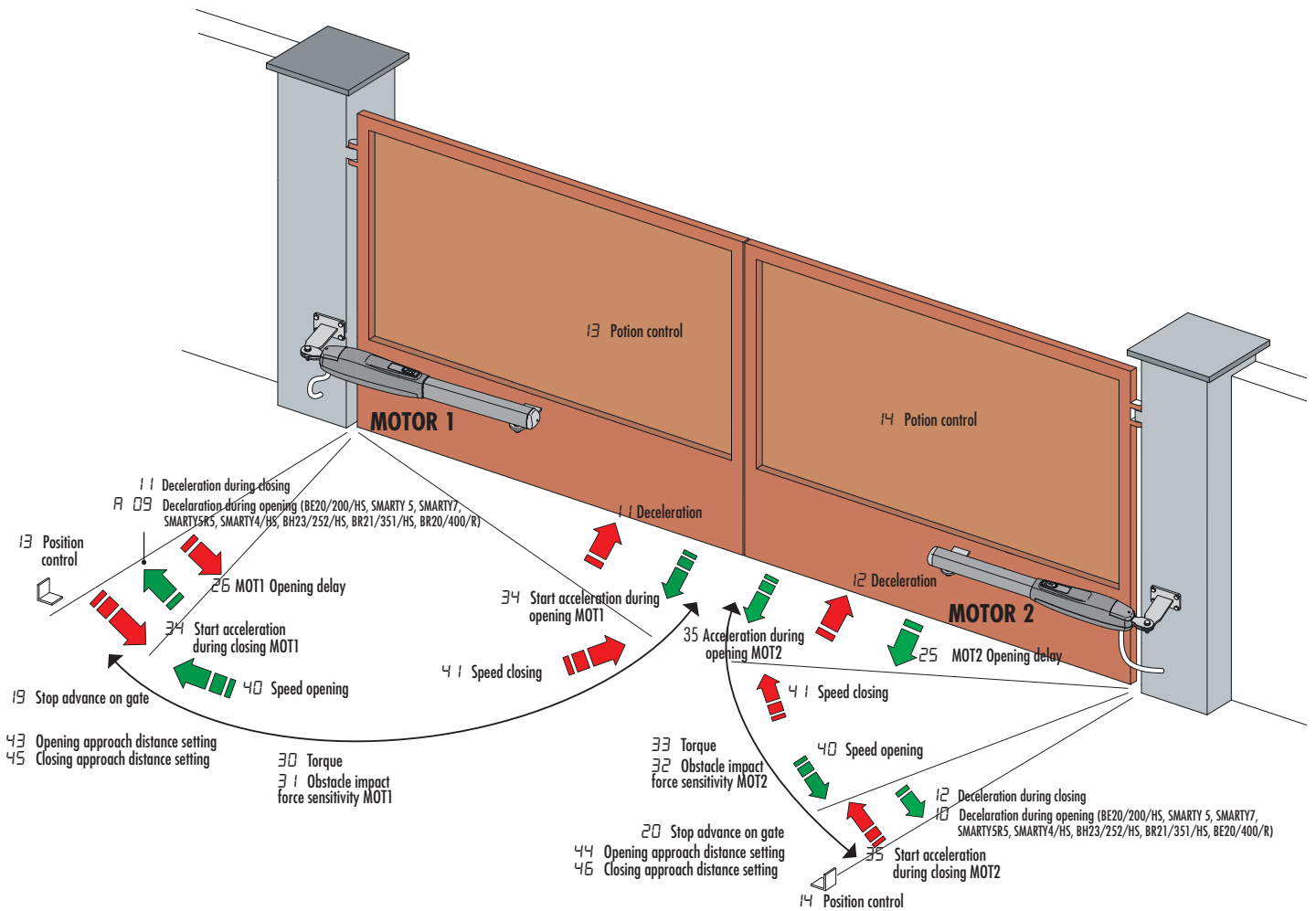
SEE ACQUISITION PROCEDURE

5. Acquisition procedure

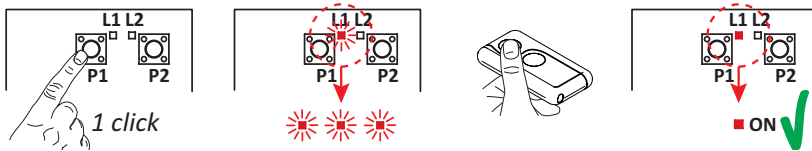
1. Press and hold PROG for 4 seconds.
2. APP- appears on the display.
3. Press PROG.
4. AUTO appears on the display.
5. MOTOR 1 starts opening at low speed.
6. After the delay time set with parameter 25, MOTOR 2 starts an opening manoeuvre.
7. Once the gate is open, the message AUTO flashes on the display.
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

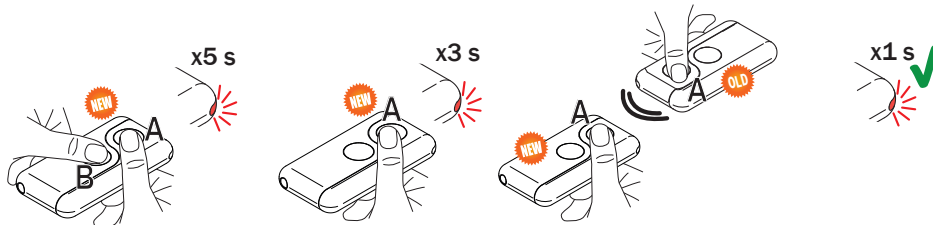


7. Programming a NEW transmitter



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.

8. Copying a transmitter



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.

9. Photocells grounding connection

Grounding connection negative terminal (COM) photocells series F4E5/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.

