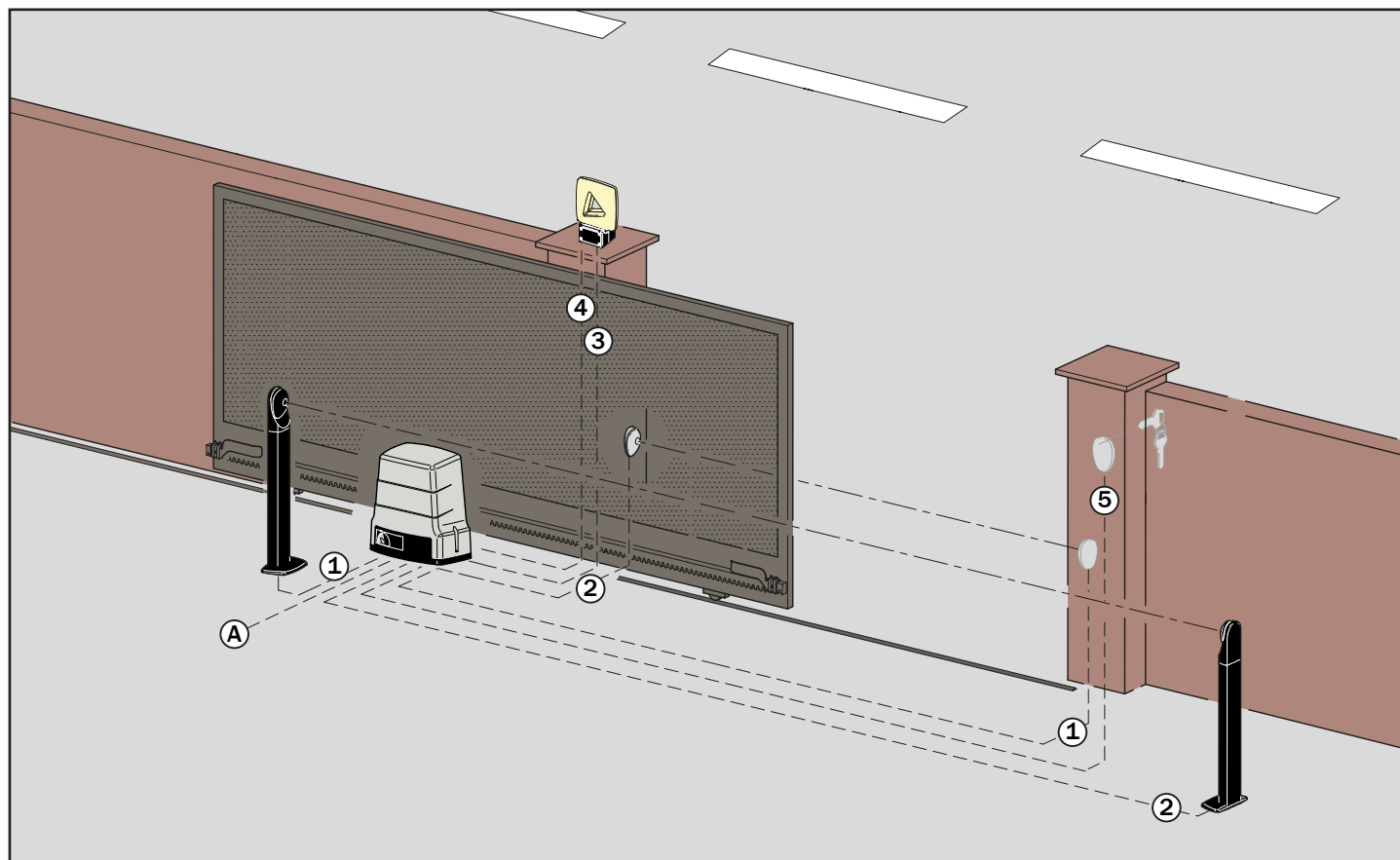


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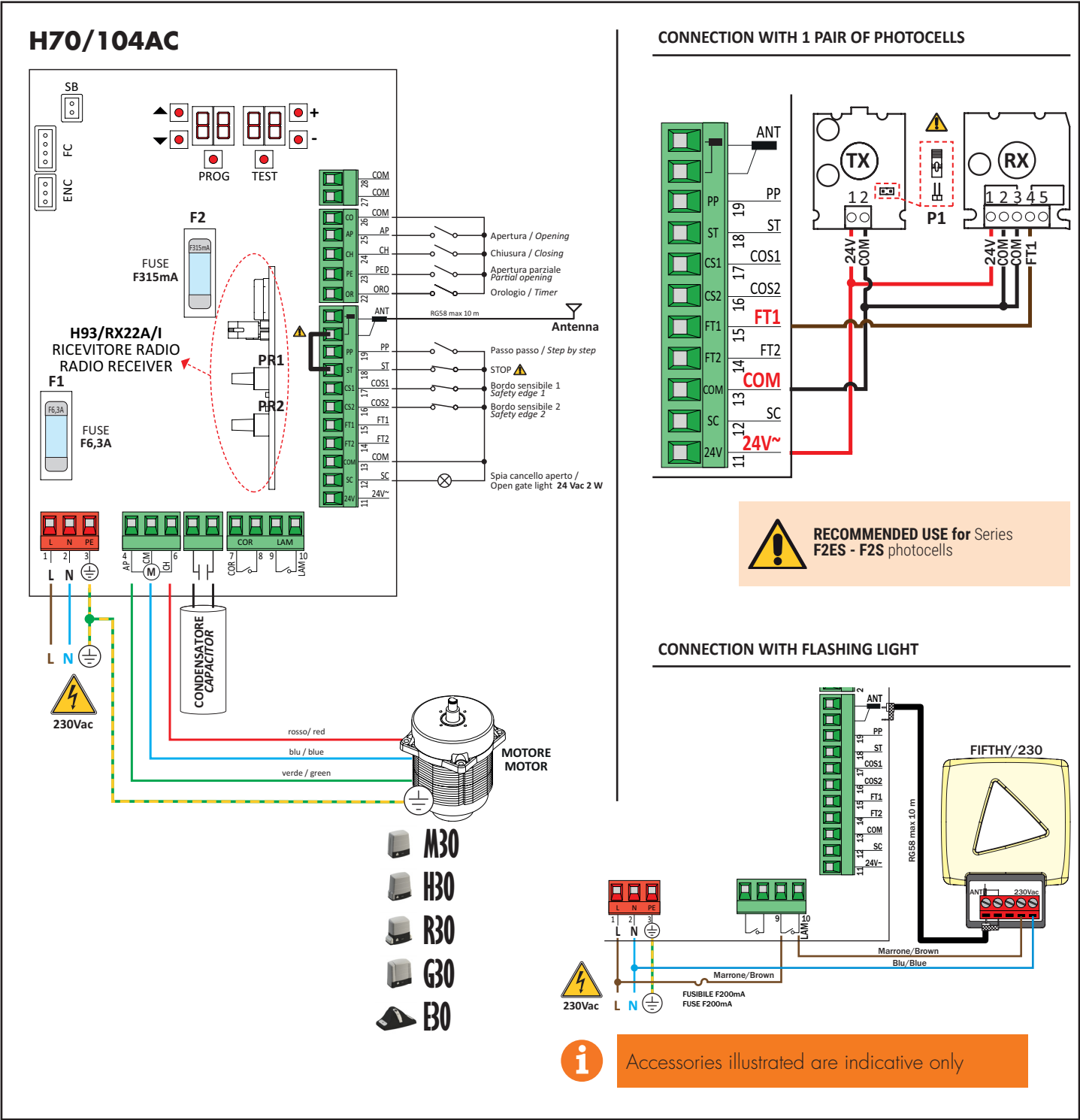
H70/104-105AC is the range of 230V AC digital controllers installed with the M30, H30, R30, G30 and E30 product series for sliding gate applications.

1. Typical installation

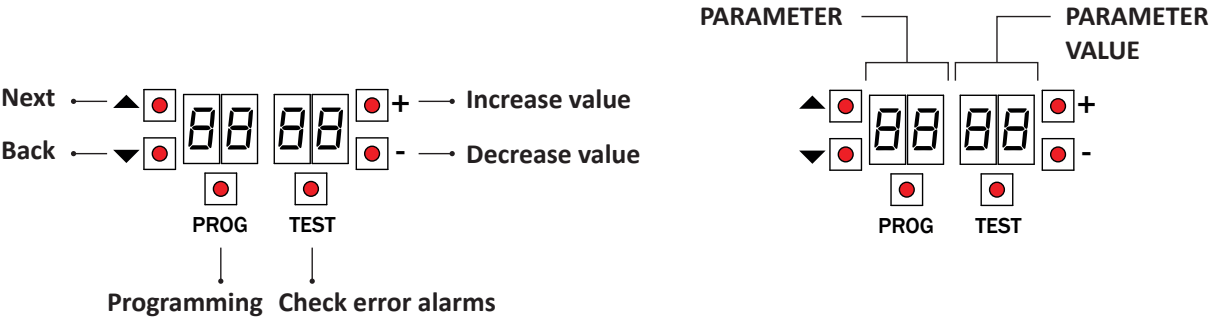


(A)	Power supply	H07RN-F 3x1,5 mm ² double insulated cable
(1)	Photocell - Receiver	4x0,5 mm ² double insulated cable (max.20 m)
(2)	Photocell - Transmitter	2x0,5 mm ² double insulated cable (max.20 m)
(3)	Flashing lamp unit	2x1 mm ² double insulated cable (max.10 m)
(4)	Antenna	RG58 50 Ohm cable for external use (max.10 m)
(5)	Selector / Keypad	Cavo 3x0,5 mm ² cable (max.20 m)

2. Electrical connections

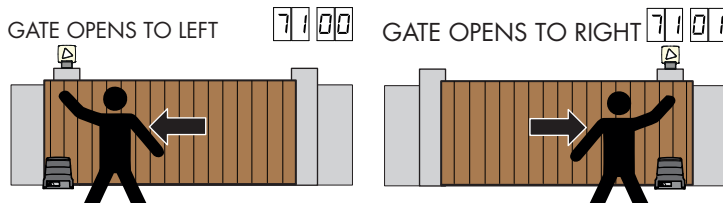


3. Display: functions and settings

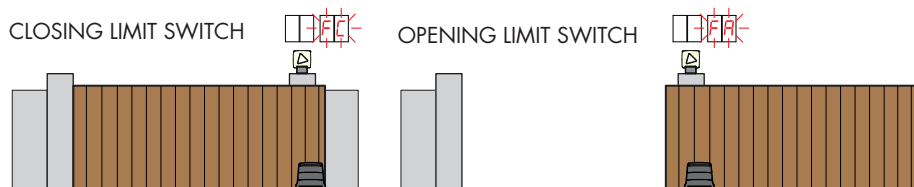


4. Before starting ...

- a) Select the position of the motor relative to the gate with the parameter 71. The default setting for this parameter is with the motor installed on the right hand side of the gate (seen from interior side).

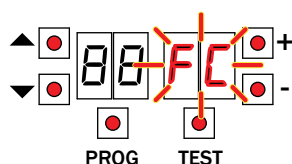
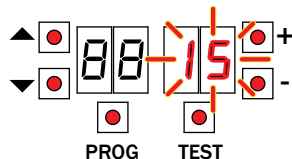
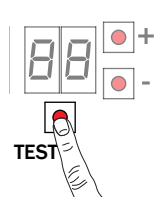


- b) Adjust the (mechanical or magnetic) limit switches so that, once triggered, the gate stops slightly before it reaches the mechanical stop. To verify the correct direction of position with respect to the passage press TEST. If the gate is in closed position, *FE* will be displayed; if the gate is in open position, *FA* will be displayed.



WARNING: PARAMETER 30 MUST BE THE SAME AS 01

- d) Press the TEST button



Possible alarms and safety device messages:

00	No safety device in alarm state and no limit switch activated.
5b (Sb)	Release handle or lock open.
18	STOP contact (N.C.) open. Jumper the STOP contact.
17	Sensing edge contact COS1 (N.C.) is open. Check connection. If sensing edge is not installed, disable with 13 00.
16	Sensing edge contact COS2 (N.C.) is open. Check connection. If sensing edge is not installed, disable with 14 00.
15	Photocell contact FT1 (N.C.) is open. Check connection. If photocell is not installed, disable with 50 00.
14	Photocell contact FT2 (N.C.) is open. Check connection. If photocell is not installed, disable with 53 00.
FE	Both limit switches in error state. Check connections and settings of limit switches.
FA	If gate is open, gate open limit switch is detected.
FC	If gate is closed, gate closed limit switch is detected.

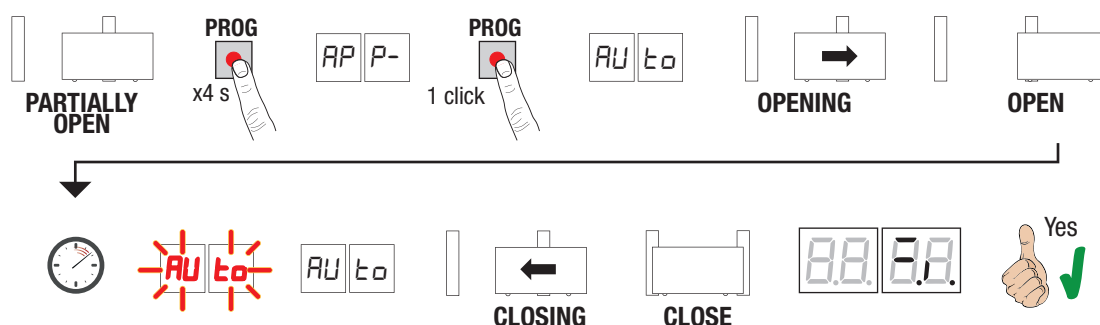
SEE ACQUISITION PROCEDURE

- e) Select the appropriate self-acquisition procedure for your installation:

- A) SELF-ACQUISITION PROCEDURE WITH ENCODER ENABLED, WITH OR WITHOUT LIMIT SWITCHES
- B) SELF-ACQUISITION PROCEDURE WITH LIMIT SWITCHES, WITHOUT ENCODER
- C) SELF-ACQUISITION PROCEDURE WITHOUT LIMIT SWITCHES AND WITHOUT ENCODER

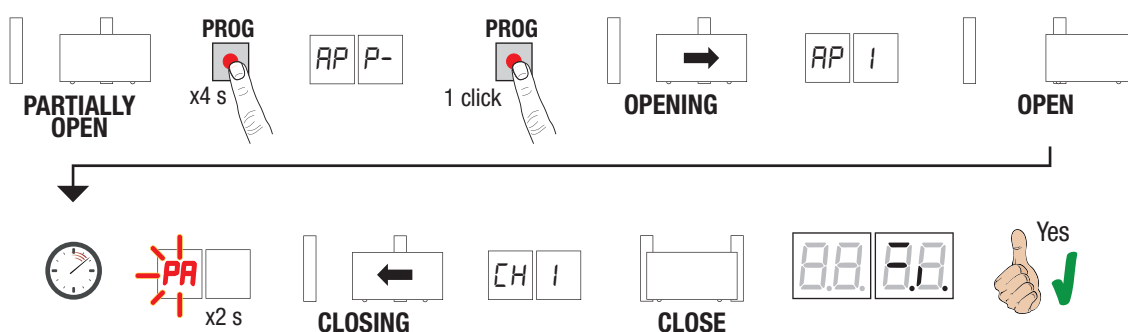
5.Acquisition procedure (with encoder enabled, with or without limit switches - 75 0 1)

1. Press and hold PROG for 4 seconds.
2. APP- appears on the display.
3. Press PROG.
4. AUTO appears on the display.
5. The gate starts to open.
6. When the gate is open after a few seconds AUTO flashes for 2 seconds.
7. When the message AUTO stops flashing sul display the gate starts closing.
8. When the gate is closed, the safety device symbols are displayed.



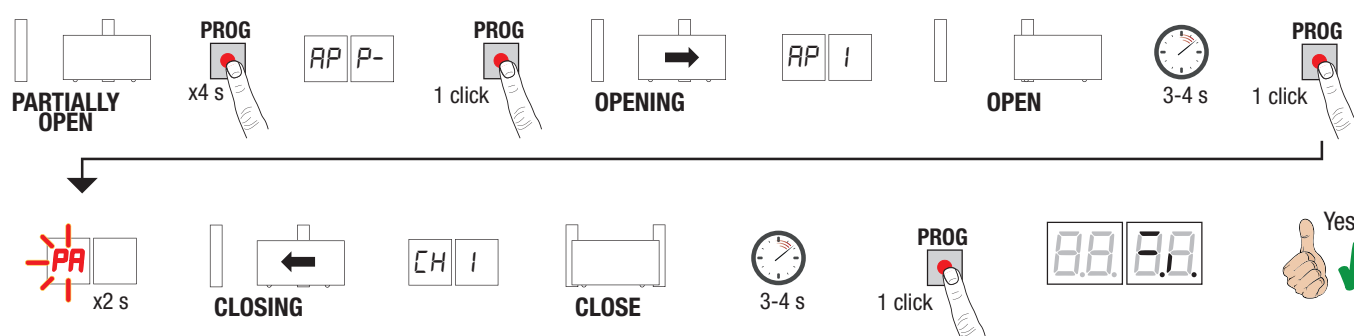
5.Acquisition procedure (with limit switches, without encoder)

1. Press and hold PROG for 4 seconds.
2. APP- appears on the display.
3. Press PROG.
4. The gate starts to open.
5. AP1 appears on the display.
6. Once the relative limit switch is activated, the gate stops briefly.
7. PA flashes on the display for 2 seconds.
8. After this 2 second interval, gate closes automatically. The message CH1 appears on the display.
9. When the gate is closed, the safety device symbols are displayed.

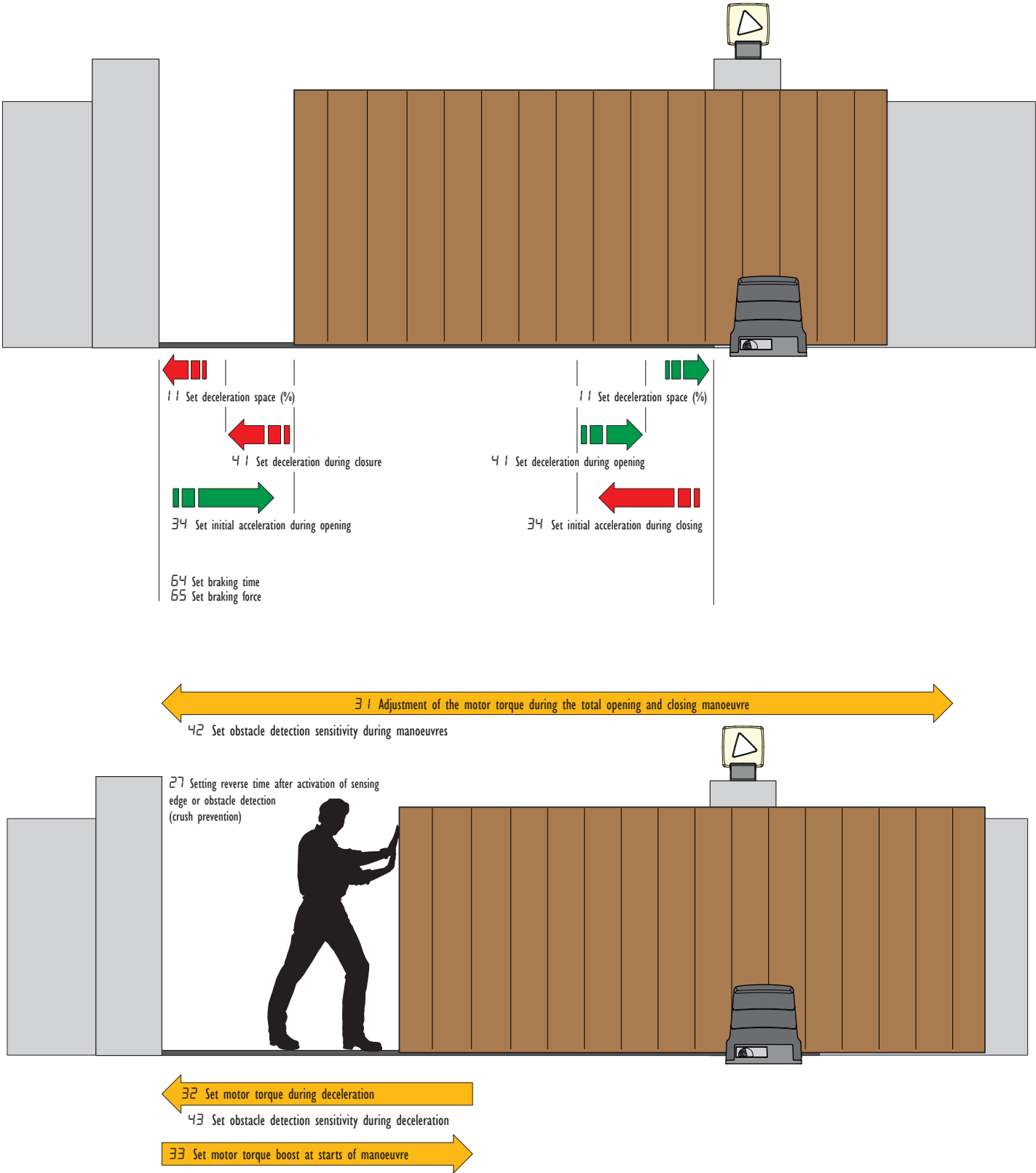


5.Acquisition procedure (without limit switches and without encoder)

1. Press and hold PROG for 4 seconds.
2. APP- appears on the display.
3. Press PROG.
4. The gate starts to open.
5. AP1 appears on the display.
6. When the gate reaches the open position mechanical stop, wait 3-4 seconds then press PROG.
7. PA flashes on the display for 2 seconds.
8. After this 2 second interval, gate closes automatically. The message CH1 appears on the display.
9. When gate reaches the closing mechanical stop, wait 3-4 seconds then press PROG.
10. When the gate is closed, the safety device symbols are displayed.

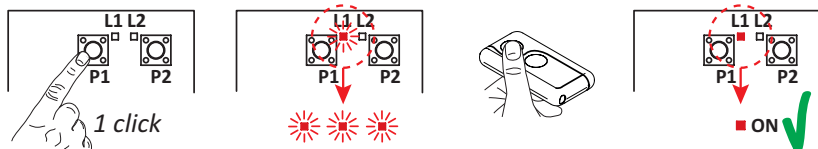


6. Setting basic parameters



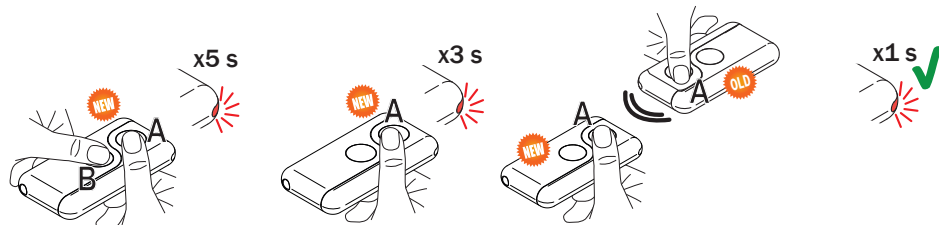
IN THE CASE OF COUNTRIES WITH VERY COLD TEMPERATURES WE RECOMMEND THAT YOU VIEW PARAMETERS 36 AND 37 AND THE ACTIVATION OF THE MAXIMUM STARTING POINT.

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.



This document is a basic quick guide for the initial installation of a sliding gate motor.

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