DINGO

EERREKA

Elements of the complete installation

Electrical wiring

A: Main power supply

B/E: Flashing light with antenna

C: Photocells (Tx / Rx)

D: Pushbutton/wall key

Assembly levels

2 X 0,5 mm² max. 25 m — D

2 X 0,5 mm² max. 20 m — B

RG-58/U max. 5 m — E

2 X 0,5 mm² max. 30 m — C

3 X 1,5 mm² max. 30 m — A

4 X 0,5 mm² max. 30 m — C

36mm
210mm
85mm
75mm
95mm

C259A

E259A
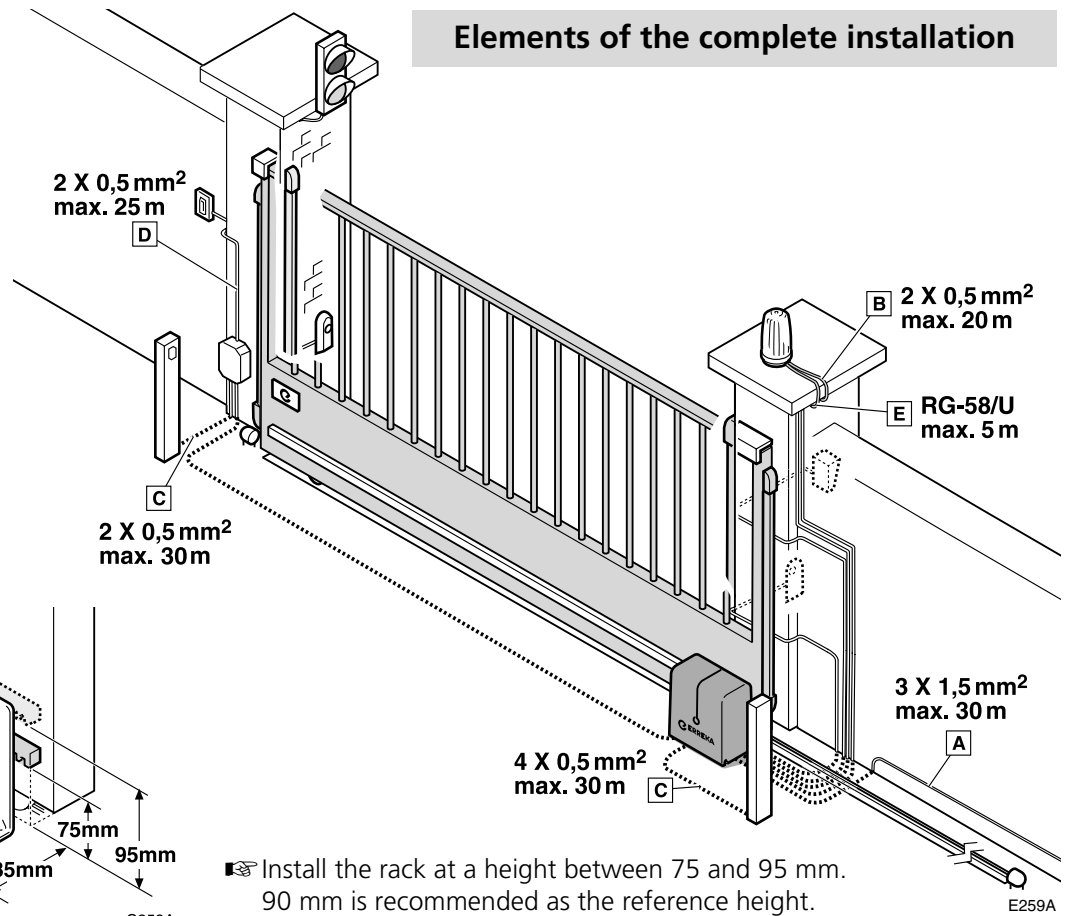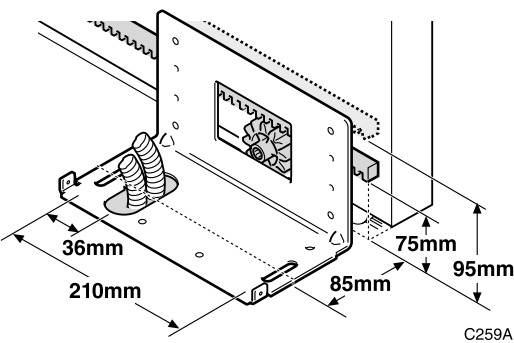
☞ Install the rack at a height between 75 and 95 mm. 90 mm is recommended as the reference height.

Unlocking

Unlocking

180º

1

D259A

Locking

180º

D259B
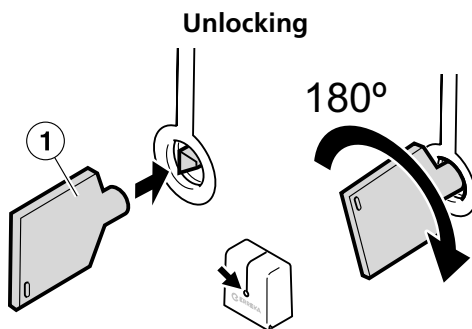
Unlocking for manual operation:

• Insert the key (1) and turn clockwise 180° without forcing it: the rack drive pinion will come down from its operating position, releasing the rack.
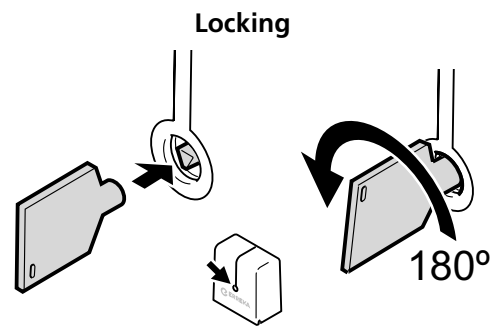
Motorised operation locking:

• Insert the key and turn it anti-clockwise 180° as far as it will go. The pinion will return to its work position, in contact with the rack.

• Activate a key device in order for the gate to carry out a "reset".

General connections

⚠ **Disconnect the power supply before connecting or disconnecting any component.**

DL13 24Vac power supply
DL36 5Vdc power supply
DL37 Closing relay activated
DL38 Opening relay activated

BAT (2x12V/1,2 Ah)
TRAFO
MOTOR
DL37
DL13
DL38
DL36
CHG
ADN01
SEMAFORO
SMF
RADIO
R.E.
STOP
ANT
SCA (24 Vdc)

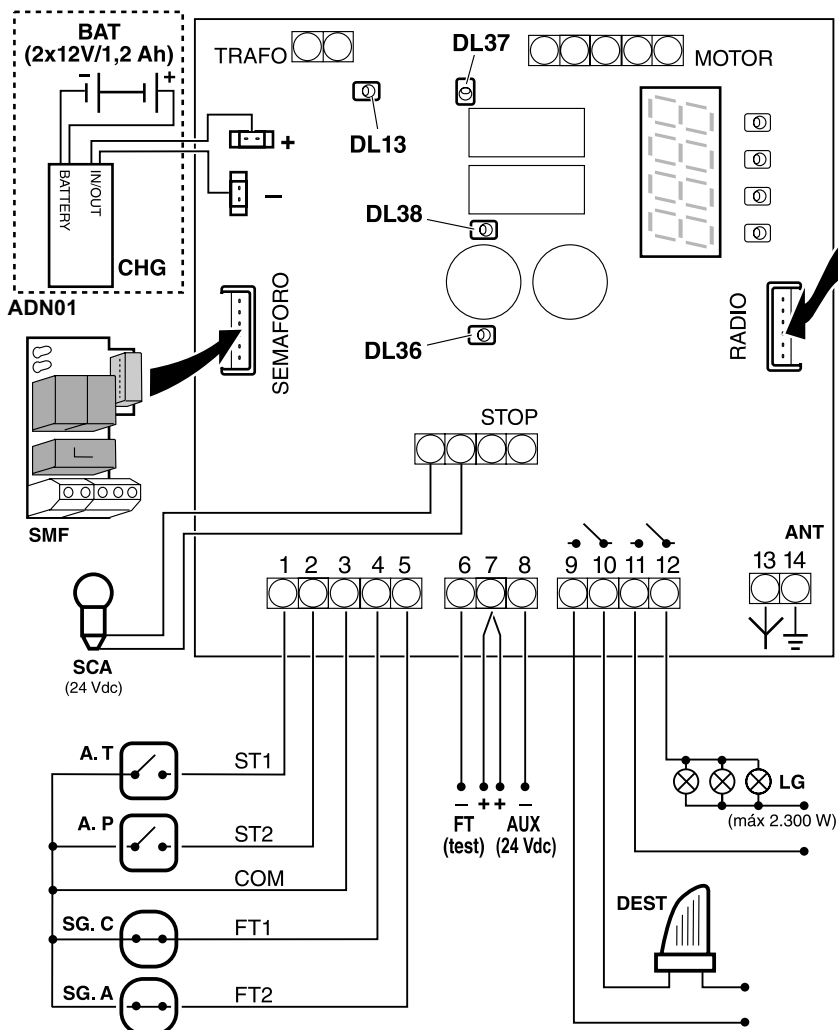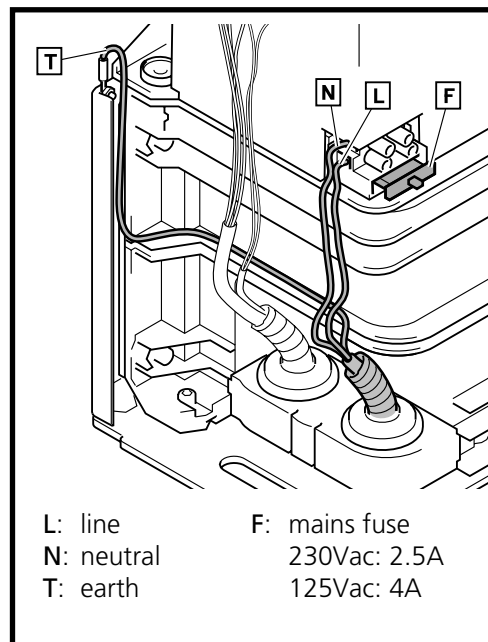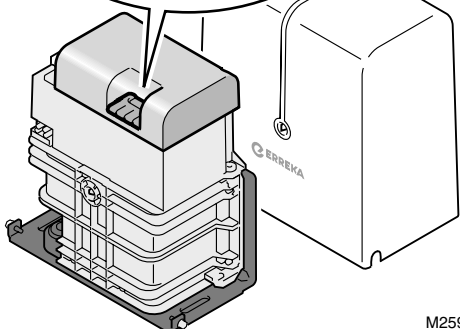| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |

A. T — ST1
A. P — ST2
COM
SG. C — FT1
SG. A — FT2

FT (test)   AUX (24 Vdc)

DEST

LG (máx 2.300 W)

L: line
N: neutral
T: earth
F: mains fuse
230Vac: 2.5A
125Vac: 4A

☞ The A.T., A.P. SG.C, SG.A and STOP devices must be voltage-free in order to prevent any damage to the control board.

P259T

Display indications

D1 D2 D3 D4

Esc ∧ ∨ Enter
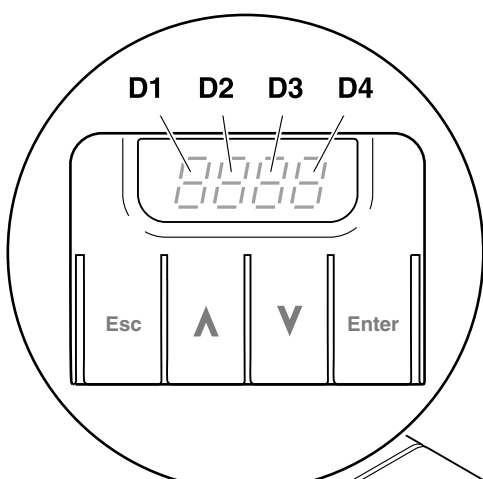
D1 and D2:

CL (static)	Gate closed
CL (flashing)	Gate closing
OP (static)	Gate open
OP (flashing)	Gate opening
PC (flashing)	Pedestrian door closing
PO (static)	Pedestrian door open
PO (flashing)	Pedestrian door opening
XX (countdown)	Gate on standby
StOP	Operator unlocked
PA (static)	Pause (operation not complete)
rS (flashing)	Gate searching for close position (reset)

D3 and D4:

C4	Opening safety device activated
CS	Closing safety device activated
E1	Encoder motor shutdown
F1	Force limit exceeded
bA (static)	Battery working
bA (flashing)	Battery voltage too low (the board does not carry out any operations)
Ftno	Photocells defective (testing)

6

M259C

Turning direction change and check (C1)

☞ This operation is only necessary if the operator opens the leaf instead of closing it when making a reset (r5).

1	2	3	4	5
8888-	C101	C101	C001	C002
esc ∧ ∨ enter	esc ∧ ∨ enter	esc ∧ ∨ enter	esc ∧ ∨ enter	esc ∧ ∨ enter

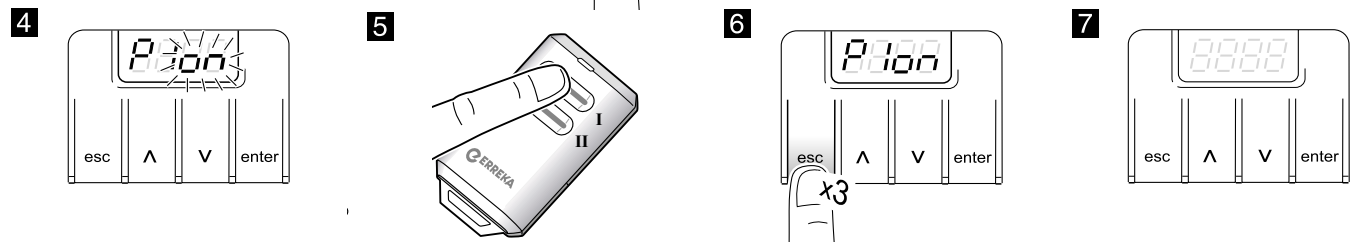| 6	7	8	9	10
r	OP / CL	C002	C102	8888
esc ∧ ∨ enter	esc ∧ ∨ e	esc ∧ ∨ enter	esc ∧ ∨ enter	esc ∧ ∨ enter
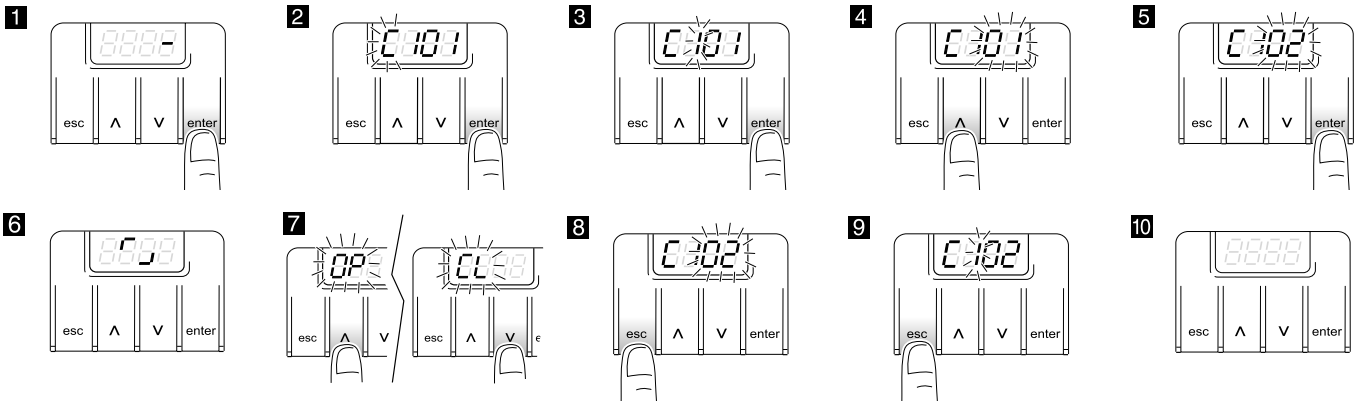
Total opening radio code programming P1 (with RSD receiver only, C801)

☞ If a receiver other than RSD is used, see the corresponding instructions.

☞ Select the option C801 (RSD receiver) before starting programming.

1	2	3
8888-	C101	P1on
esc ∧ ∨ enter	esc ∧ ∨ enter	esc ∧ ∨ enter x2

4	5	6	7
P1on	(remote I / II)	P1on	8888
esc ∧ ∨ enter		esc ∧ ∨ enter x3	esc ∧ ∨ enter
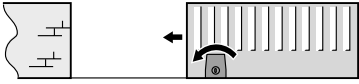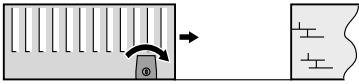
Pedestrian opening radio code programming, P2 (with RSD receiver only, C801)

☞ This procedure is the same as for total opening, but using parameter P2 instead of P1.

Open/close programming (P3)

1	2	3	4
8888-	C101	P1on	P1on
esc ∧ ∨ enter	esc ∧ ∨ enter	esc ∧ ∨ enter	esc ∧ ∨ enter

5	6	7	8
P3on	P3on	P3on	(remote I / II)
esc ∧ ∨ enter	esc ∧ ∨ enter	esc ∧ ∨ enter	

9	10	11
P3on		P3on	8888
esc ∧ ∨ enter	esc ∧ ∨ enter x3	esc ∧ ∨ enter

❶ Wait whilst the gate carries out the open/close
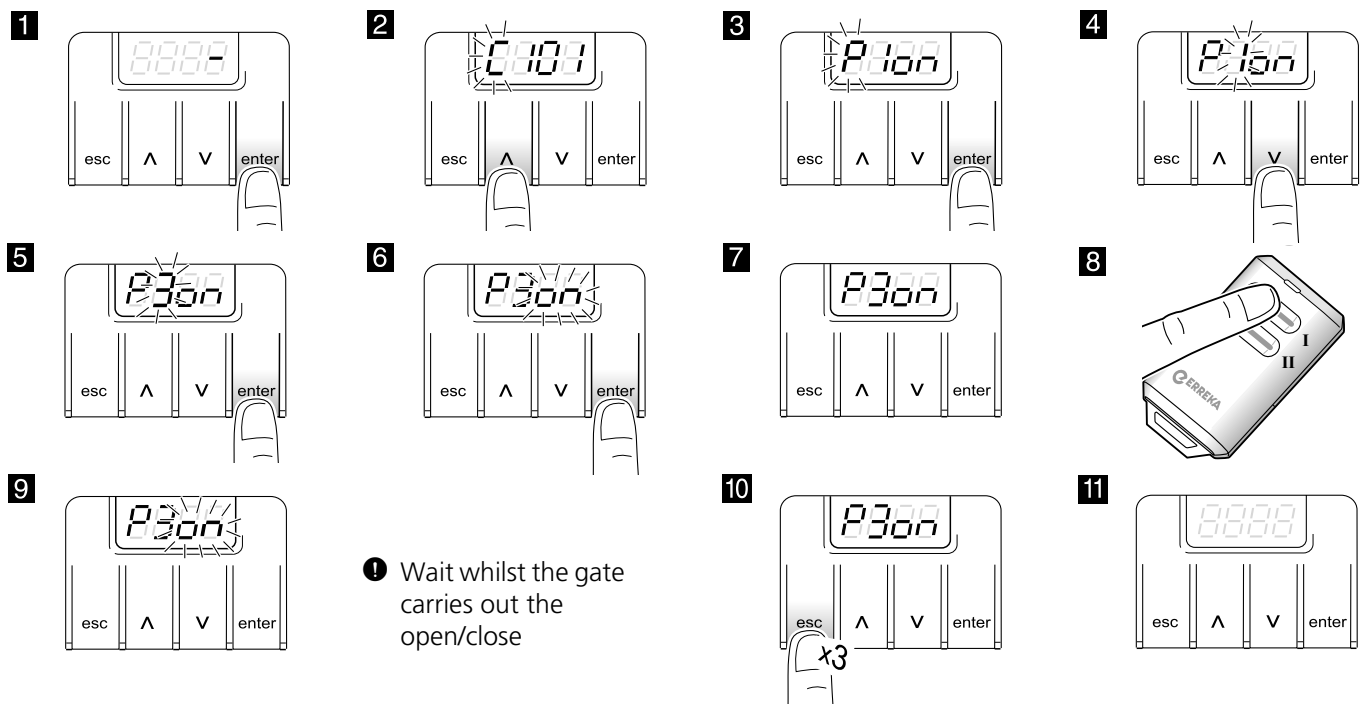
Complete programming chart

D1	D2	Parameter	D3	D4	Preset option	Options or values
C	1	Motor turning direction	0	1	x	
			0	2		
	4	Opening safety device (photocell or strip)	0	0	x	Device not installed
			1	0		Device without testing
			1	1		Device with testing
	5	Closing safety device (photocell or strip)	0	0	x	Device not installed
		Closing photocell with C520 or C521, also prevents the start of gate opening	1	0		Device without testing
			1	1		Device with testing
			2	0		Device without testing
			2	1		Device with testing
	8	Radio receiver	0	1		RSD card (non-decoding)
			0	2	x	Twin-channel decoder card
P	1	Total opening radio code programming	o	n		
	2	Pedestrian opening radio code programming	o	n		
	3	Gate travel programming	o	n		
F	1	Functioning mode	0	1		Automatic
			0	2	x	Step-by-step
	2	Standby in automatic mode	0...5.	0...9	15	59 = 59 sec.; 2.5 = 2 min. 50 sec, etc
	3	Pedestrian opening	0	0	x	Pedestrian opening is not carried out
			1	0		10% of total opening
			2	0		20% of total opening
			3	0		30% of total opening
			4	0		40% of total opening
			5	0		50% of total opening
A	0	Flashing light	0	1	x	No pre-warning
			0	2		With pre-warning
	1	Garage light time	0...5.	0...9	03	59 = 59 secs; 2.5 = 2 min. 50 secs, etc
	2	Gate speed	0	1...5	03	01: minimum speed; 05: maximum speed
	3	Slow down speed	0	1...5	03	01: minimum speed; 05: maximum speed
	4	Slowdown distance	0	0...5	03	00: minimum distance; 05: maximum distance
	5	Reverse after closing (to offset the expansion of the gate) A50x: stops in selected position without making contact A51x: makes contact and reverses back to the selected position	0...1	0...9	04	x0: no reverse; x9: maximum reverse
	6	Maximum force	0...1	0...9	08	01: minimum force; 10: maximum force
	7	Closing **photocell** used during standby (in automatic mode only)	0	1		Immediate close
			0	2	x	Restart standby time
			0	3		Has no effect
	8	**Pushbutton** operation during standby (in automatic mode only)	0	1		Immediate close
			0	2	x	Restart standby time
			0	3		Has no effect
	9	Opening mode	0	1	x	Opening in accordance with the mode selected in the main functions (F)
			0	2		**Collective opening** (the control board does not obey the key commands during opening)
			03	3		**Step-by-step opening** (the gate stops if a key device is activated during opening. The gate closes when operated again)
n	1	Operations carried out	X	X		Indicates the hundreds of cycles completed (for example, 68 indicates 6,800 cycles completed)