

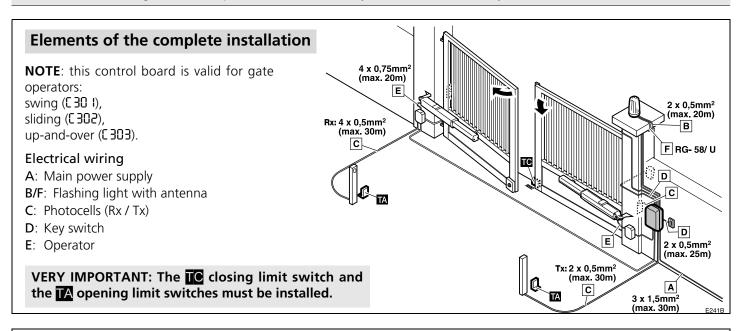
Quick installation and programming guide

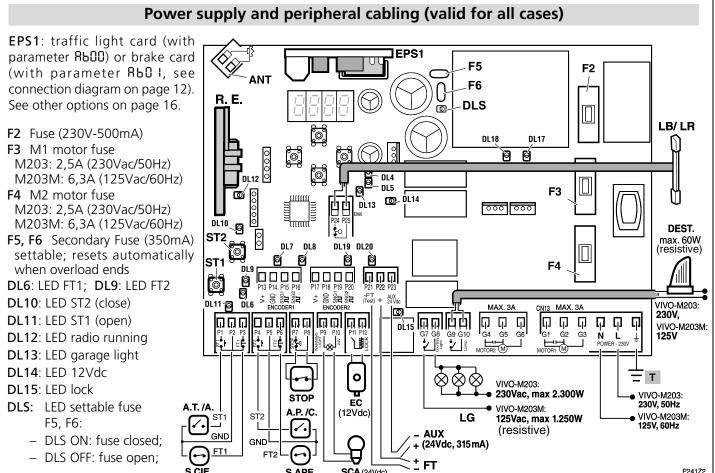
DERREKA

This quick guide summarises the full installation manual. The full manual contains safety warnings and other explanations that must be taken into account. You can download the latest version of this guide and the installation manual in the "Downloads" section of the Erreka website: http://www.erreka-automation.com

IMPORTANT NOTE

The options and functions described in this guide are applicable from the *firmware* version indicated on the circuit. As part of a process of continuous improvement, the *firmware* is subject to the incorporation of new functionalities or their extension, and consequently to the generation of new versions not necessarily compatible with the previous ones. Therefore, if your *firmware* version is lower than the one indicated in this guide, some options and functions may not be available or may be different.

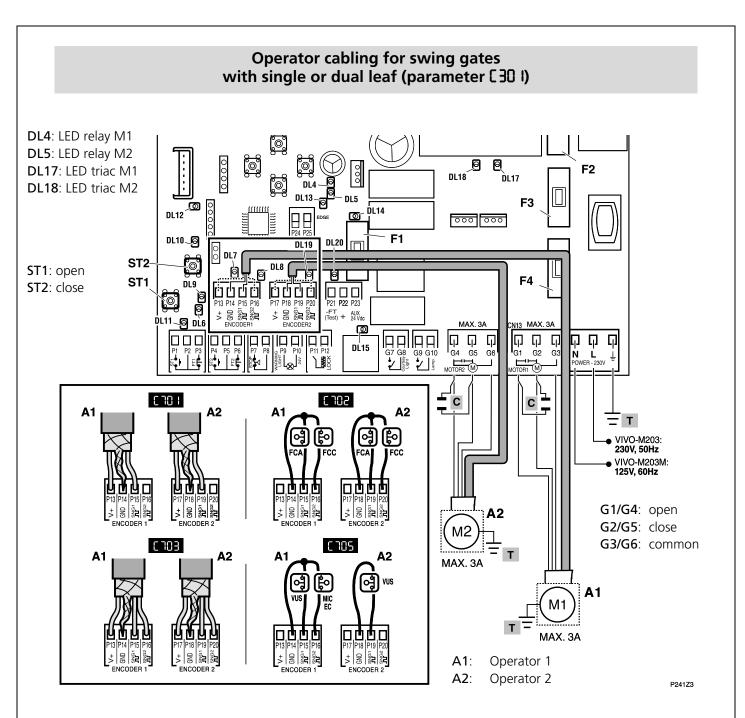




SCA (24Vdc)

S.APE

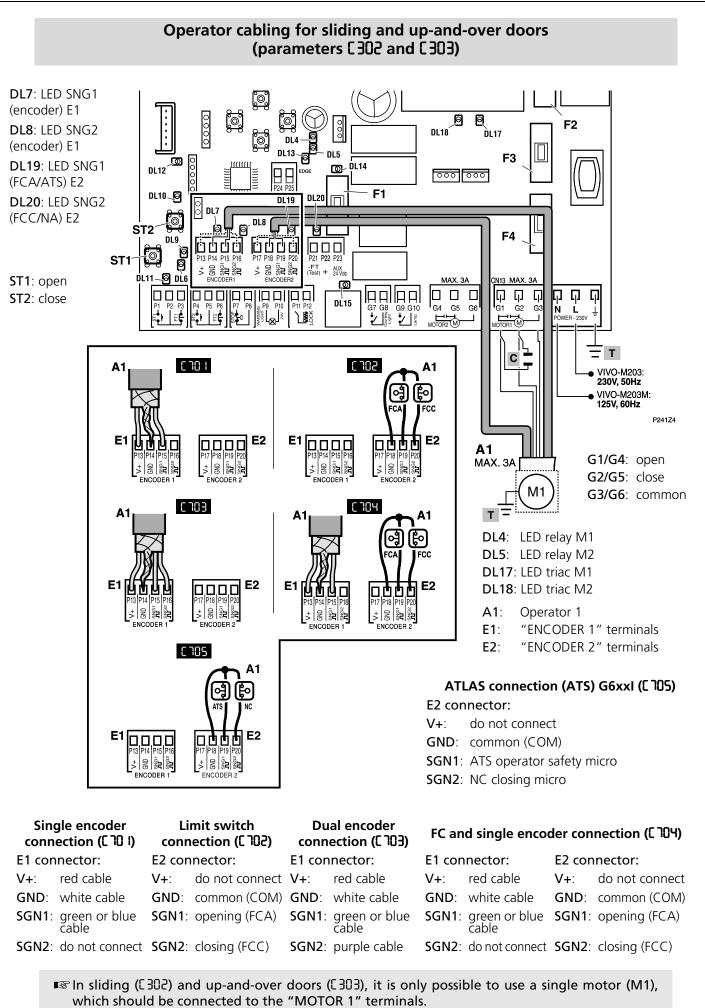
P24172



DL7: LED SNG1 (FCA/encoder) A1 DL8: LED SNG2 (FCC/encoder) A1 DL19: LED SNG1 (FCA/encoder) A2 DL20: LED SNG2 (FCC/encoder) A2 ■ The colour of the G1/G4 and G2/G5 cables must be respected in order to correctly programme the turning directions, i.e., the colour of G1 must be the same as for G4 (and G2 the same as G5).

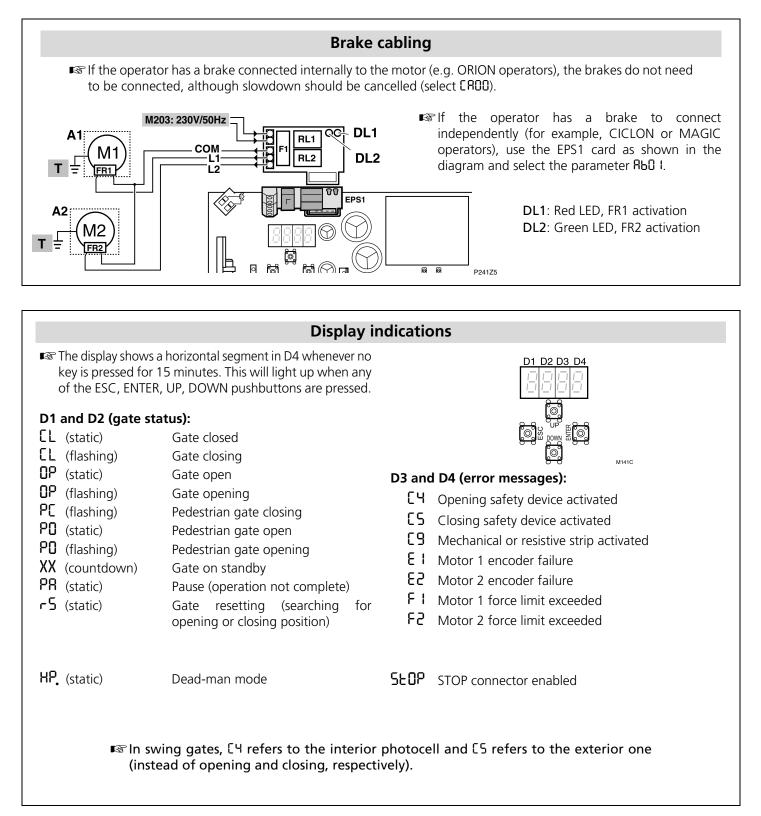
Limit switch connection (C 702)	Dual encoder connection (C 703)	Vulcan connection VUS (E 105)	
V+: do not connect	V+: red cable	V+: do not connect	
GND: common (COM)	GND: mesh	GND: common (COM)	
SGN1: opening (FCA)	SGN1: green or blue cable	SGN1: VUS operator safety micro	
SGN2: closing (FCC)	SGN2: white cable	SGN2: electrolock micro (A1 connector only)	
	(C 102) V+: do not connect GND: common (COM) SGN1: opening (FCA)	V+:do not connectV+:red cableGND:common (COM)GND:meshSGN1:opening (FCA)SGN1:green or blue cable	

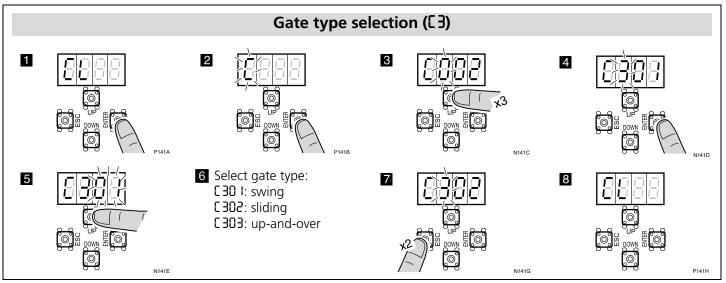
■ The [704 option is not available for swing gate operators. if [704 is selected, it will operate as [70].

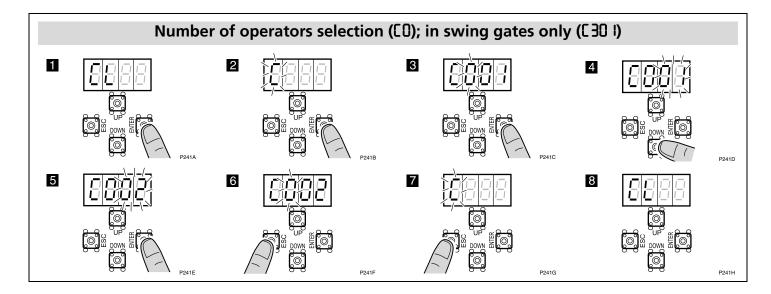


When using a single encoder (E 10 I, E 104) or dual encoder (E 103), always connect to the "ENCODER 1" terminals.

When using limit switches ([702, [704 or [705), always connect to the "ENCODER 2" terminals.

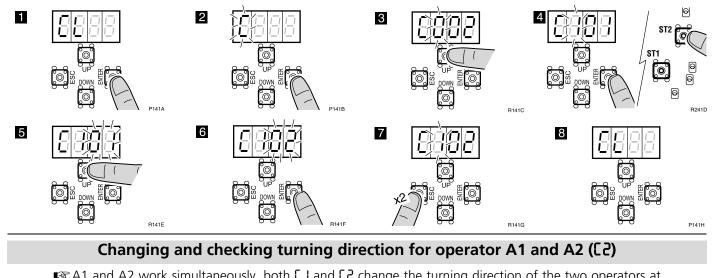




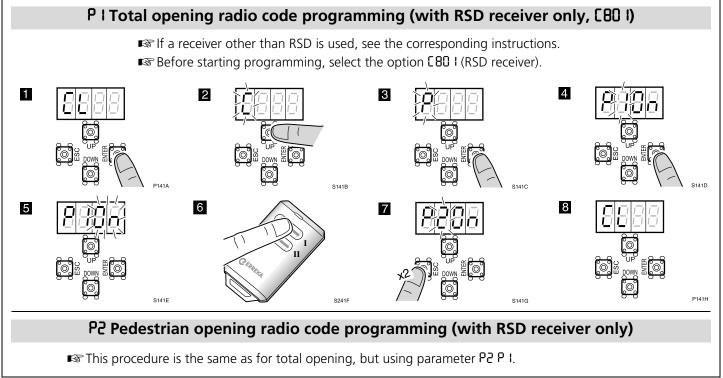


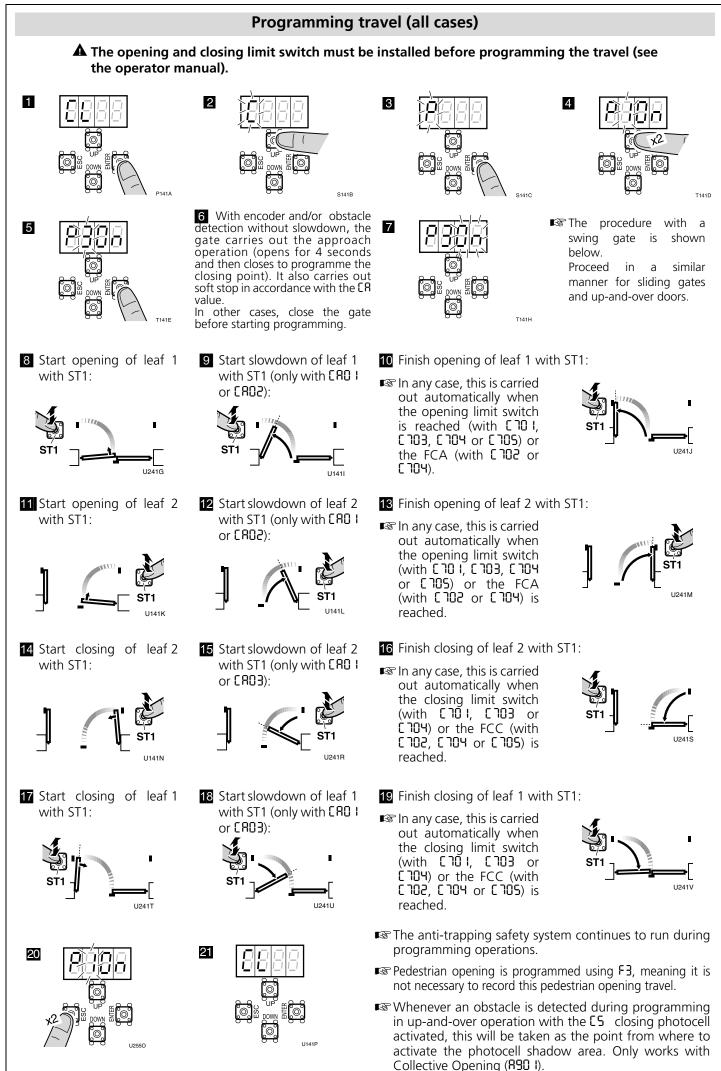


This operation is only necessary if operator A1-A2 closes the leaf instead of opening it when resetting (r-5).
 In step 4, check turning direction using ST1 (open) and ST2 (close). Use C I to activate operator 1 and C2 to activate operator 2.



■ A1 and A2 work simultaneously, both [] and [2 change the turning direction of the two operators at the same time. The turning direction of a single operator cannot be changed.





Complete programming chart (I)

D1	D2	Parameter	D3	D4	Default option	Options or values			
[0	Number of operators	0	1, 2	01	0 I: one operator, 02: two operators (only available with C 30 I)			
	1	Operator 1 turning direction (operator 2 also changes)	0	1, 2	01	D I: direction A, D2: direction B. Check direction by pressing ST1 (open) and ST2 (close)			
	5	Operator 2 turning direction (operator 1 also changes)	0	1, 2	01	D I: direction A, D 2: direction B. Check direction by pressing ST1 (open) and ST2 (close)			
	3	Gate type	0	I 3	01	0 I: swing, 02: sliding, 03: up-and-over			
	Ч	Opening safety device (photocell)	0, 1	0, 1	00	00: not installed, 10: no testing, 11: with testing			
	5	Closing safety device (photocell) Closing photocell with CS20 or CS21 , also prevents gate opening from starting	50	0, 1	00	00: not installed, 10: no testing, 11: with testing 20: no testing, 21: with testing			
	6	Electrolock / electromagnet E630 and E640 are used to manage an external relay at 24Vdc, connected to cable connectors P11-P12. The electromagnet must be externally supplied (through this relay) and sized in line with the electromagnets used.	04	04	00	 D0: not installed IX: electrolock without reverse impulse. Programmable electrolock time: 3 seconds with X=0 (by default), 3.5s with X= I, 4s with X=2, 4.5s with X=3, 5s with X=4. 2X: electrolock with reverse impulse. Programmable time (electrolock/motor reverse): 4.5/1.5 seconds with X=0 (by default), 5/2s with X= I, 5.5/2.5s with X=2, 6/3s with X=3, 6.5/5s with X=4. 30: electromagnet without impulse 			
	٦	Encoder / Limit switches The cabling depends on the type of operator selected (C30 I, C302 or C303); see the corresponding wiring diagram)	0	05	00	 40: drop electromagnet 00: not installed; 0 I: with single encoder; 02: with limit switches; 03: with dual encoder; 04: with encoder and limit switches (not available with £30 I selected); 05: VULCAN VUS and ATLAS (ATS) G6xxI (only available with £30 I or £303 selected) 			
	8	Radio card	0	1, 2	50	D I: RSD card (no decoder); D 2: two channel decoder card			
	9	Safety strip	0	1, 2	01	0 I: mechanical; 02: resistive 8k2			
	8	Slowdown	0	03	50	00: no slowdown; 0 I: slowdown in opening and closing; 02: slowdown in opening; 03: slowdown in closing			
٩	I	Total opening radio programming	0	Π		Programmes total opening channel and code			
	5	Pedestrian opening radio programming	0	Π		Programmes pedestrian opening channel and code			
	З	Programming gate travel	0	-		Programmes the operations in accordance with the configuration [R			
F	1	Key command by way of ST1 and ST2 pushbuttons. With F ID I the gate (total or pedestrian) can be kept open by keeping ST1 or ST2 pressed down respectively. This allows the time scheduler to be used in combination with F2 and/or F4 \neq 00.	0	04	01	 OD: ST1 and ST2 without effect, the key commands are given by radio (channel 1: total opening-closing, channel 2: pedestrian opening-closing) O I: ST1 total opening-closing, ST2 pedestrian opening-closing O2: ST1 total opening, ST2 total closing O3: dead-man mode (the display shows HP); O4: dead-man mode in closing 			
	5	Automatic or step-by-step operation mode and standby time (in seconds) in automatic mode	05,	09	00	00: step-by-step mode 0 I: automatic mode and standby time 1 second; 59: automatic mode and standby time 59 sec.; 10: 1 min. 0 sec.; ; maximum 4 minutes			
	З	Pedestrian opening (%)	09	09	40	DD: pedestrian opening is not carried out, ID: 10% of total opening, etc			
	Ч	Pedestrian closing mode	0S	09	00	00: semi-automatic mode 01: automatic mode and stand-by time 1 second;			
						59 : automatic mode and stand-by time 59 sec.; 1 : 1 min. 0 sec.;; maximum 4 minutes			

Complete programming chart (and II)

D1	D2	Parameter	D3	D4	Default option	Options or values
	0	Flashing light	0	1, 2	01	I: output with voltage, with no pre-warningO2: output with voltage, with pre-warning
	1	Garage light time	0S.	09	03	03 = 3 sec.; 59 = 59 sec.; 25 = 2 min. 50 sec.;
						; maximum 4 minutes
	2	Torque/nominal force	0	19	09	0 I: minimum,, 09: maximum
	3	Regulation of torque/force and slowdown speed	0	19	09	0 I: minimum,, 09: maximum
	5	Recede after closing (ensures the operator does not become seized on the stopper)	0	0S	00	00: no recede;; 05: maximum recede
	6	Torque/maximum trapping force (level of increase relative to nominal)	09	09	00	 00: disabled in opening and closing; 0 I: disabled in opening and level 1 in closing; 10: level 1 in opening and disabled in closing;
		The D3 digit allows the level to be adjusted during opening;				; δ5: level 6 in opening and level 5 in closing;
		The D4 digit allows the level to be adjusted during closing				; 99: level 9 in opening and closing
	٦	(Opening or closing) photocell used during standby (in automatic mode only)	0	02	50	 00: does not affect standby time 0 I: immediate close when the photocells are released 02: restarts standby time
	8	Effect of the ST1-ST2 pushbuttons during standby (in automatic mode only)	0	S5	50	 DD: has no effect during standby D I: brings about closing after 3 seconds D2: restart standby time
	9	Opening mode	0	I3	50	 D I: community opening D2: step-by-step alternative shutdown D3: automatic alternative shutdown (if F200 i selected, R903 changes to R902)
	8	Lapse between leaves in opening and closing	09	09	52	 DD: no lapse in opening or closing (only apply in gates without overlap); XY: X lapse in opening (X= I: 1 second,, X=9: 9 seconds) Y lapse in closing (Y= I: 1 second,, Y=9: 9 seconds)
	Ъ	Use of the EPS1 card connector For parameters Rb02 and Rb03 , use the EPS1 card and bridge the network input cable connectors instead of connecting them to the network (see "Brake connection" diagram).	0	03	00	 00: use for standard traffic light; 0 I: use for brakes 02: NC contact with gate open (L1-COM) and gate closed (L2-COM) 03: impulse 1 second Open (L1-COM) when starting opening and Close (L2-COM) when starting closing. Allows another board to be activated
	[Hydraulic pressure maintenance	0	06	00	00: no pressure maintenance;0 I: every 0.5 hours;0 2: every 1 hour;03: every 2 hours;04: every 6 hours;05: every 12 hours;05: every 24 hours;
	d	Ram	0	0, 1	00	00: no ram; 0 I: with ram
	8	Special features	0	50	00	 00: no special function; 0 I: opening photocell CY programmed for pedestrian passage; 02: industrial;
•	0	Programming lock key Be sure to remember any key used, for future access to the programming	0	0, 1	0000	The preset option is 0000 (no key). If any figure changed, this is considered a key. Select the required key (starting with D1) usin UP and DOWN. Press ESC to cancel or ENTER t confirm and move to D2, and so on.
		Total operations completed	Х	Х		Indicates the hundreds of cycles completed (fc example, 68 indicates 6,800 cycles completed)
	2	Partial operations completed	Х	Х		Indicates the hundreds of cycles completed. The can be reset by pressing ST1, ST2 and ENTER a the same time.
	Э	Restore to default values, operation, radio and configuration	ſ	5		With the display showing n3r5 (with 3 flashing press ENTER and b0rr will flash. Hold dow ENTER until D1 shows b, restoring a programming menu values to default.
٤	0	FTP communication	0	n		Immediate communication with the server
	ł	GSM signal intensity	Х	Х		Indicates signal intensity