

Installer manual

SW24.D

24 Vdc control panel for swing gates

ELVOX Gates

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1 - Product features

Control panel for 24 Vdc swing gates with a rated power of 80 + 80W, equipped with an encoder interface to detect obstacles and control the speed, and an integrated 433 MHz receiver.

The control panel:

- can customize the slow-down distance and speed for both opening and closing
- has an obstacle detection system
- has LEDs input diagnostics and programming
- has a removable radio memory
- has an integrated receiver with a capacity of 200 remote controls (hard-coded or rolling-code)

- has current control to protect the electric motor

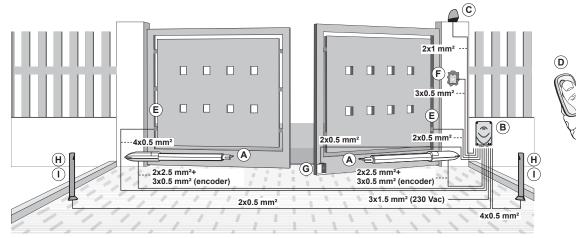
Technical specifications

Power supply	230 Vac
Motor supply voltage	24 Vdc
Maximum motor power	80 + 80 W
Flashing light output	24 Vdc 15 W max
Accessories power supply	24 Vdc 500 mA
Receiver memory	200 remote controls
Receiver frequency	433 MHz
Remote control encoding	Rolling code or hard coded
Fuse F1 (line protection)	ATO 15 A
Fuse F2 (accessory protection)	5x20 mm F3.15 A
Operating temperature	-10 to +50°C

Controllable actuators

Ref.	Description
EAM2	EKKO 300D linear operator 24 V 3 m 300 kg
EAM3	EKKO 400D linear operator 24 V 4 m 250 kg
EIM1	HIDDY 200D underground operator 24 V 2 m 200 kg

2 - System type

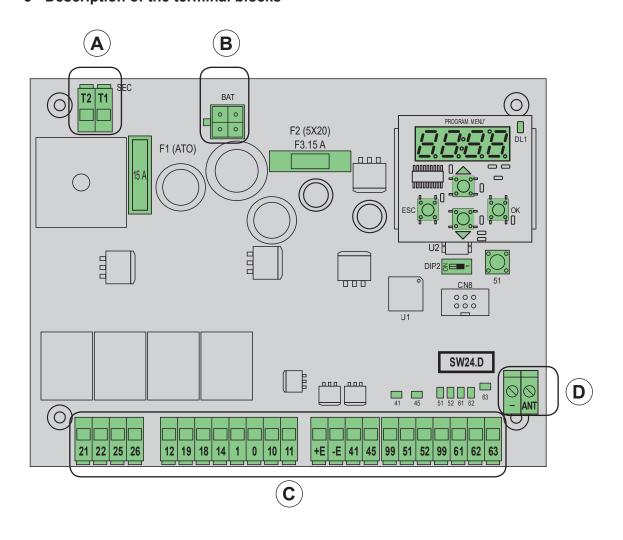


Components for implementing a complete system

Main Components		Accessories (optional)	
Description	Ref.	Description	Ref.
Actuator	А	Electric lock + cylinder	G
Control panel	В	Post-mounted photocells	Н
Blinking	С	Posts	I
Remote control	D		
Wall-mounted photocells	E		
Key selector	F		

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3 - Description of the terminal blocks

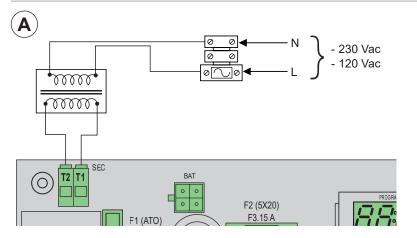


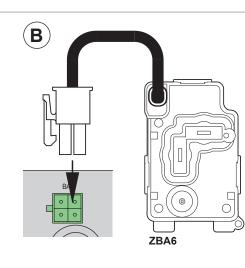
Terminal	Description	Rated data	
T1	Transformer secondary connection	0411/	
T2	T2 Transformer secondary connection 24 Vac		
21	Opening motor 1	24 Vdc 80 W	
22	Closing motor 1		
25	Opening motor 2	24 Vdc 80 W	
26	Closing motor 2	24 VUC 80 VV	
		1	
12	Auxiliary radio/courtesy light negative output	24 Vdc 120 mA	
1	Accessories positive		
19	Electrical lock output	12 Vac 15 VA	
18	Electrical lock output	- 12 Vac 15 VA	
14	Gate open warning light negative output	e 24 Vdc 120 mA	
1	Accessories positive		
1	Accessories positive	24 Vdc 500 mA	
0	Accessories negative		
10	Flashing light negative	24 Vdc 15 W max	
11	11 Flashing light positive		

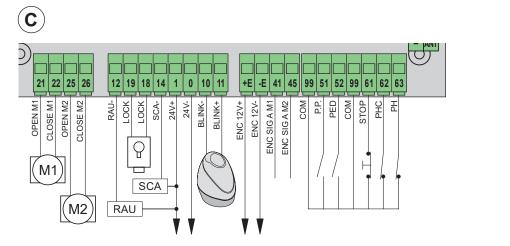
Terminal	Description	Rated data	
+E	Encoder power supply positive	10)/1-	
-E	Encoder power supply negative	- 12 Vdc	
41	Motor 1 encoder signal		
45	Motor 2 encoder signal		
99	Common inputs		
51	Step-by-step (N.O.)		
52	Pedestrian (N.O.)		
99	Common inputs		
61	Stop (N.C.)		
62	62 Closing photocell (N.C.)		
63	63 Photocell (N.C.)		
	·		
-	Aerial earth		
ANT	Γ Aerial signal		

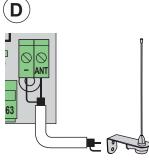


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3.1 - Description of the output functions

0-1	Accessories power supply:
	24 Vdc output
	Functions according to the P08 parameter setting.
	P08 = 0: Permanent power supply.
	P08 = 1, 2, 3: Photo-test active, the negative terminal (0) turns off for a few fractions of a second before the start of movement, so any accessories that require a permanent power supply (e.g. photocell receivers) must get the negative from an input common (terminal 99).
10-11	Blinking:
	24 Vdc output powered when the gate is moving.
12-1	Courtesy light (LCO) or Auxiliary Radio Output (RAU):
	24 Vdc Courtesy Light or Auxiliary Radio output:
	With P20 = PED it is for a Courtesy Light:
	- it turns on when the gate is moving and remains on for 100 s after it has stopped.
	With P20 = 2CH it is an Auxiliary Radio Output:
	- it turns on upon pressing the button that was saved on the remote control as the 2nd radio channel for the amount of time set in parameter P21.
14-1	Gate Open Indicator Output (SCA):
	24 V DC output to indicate the gate movements operating according to the setting for parameter P07.
18-19	Electrical Lock Output:
	12 Vac output to activate the electric lock when the gate starts to move.

Note: using the photo-test requires the safety devices to be wired in a specific manner (par. 4.3).

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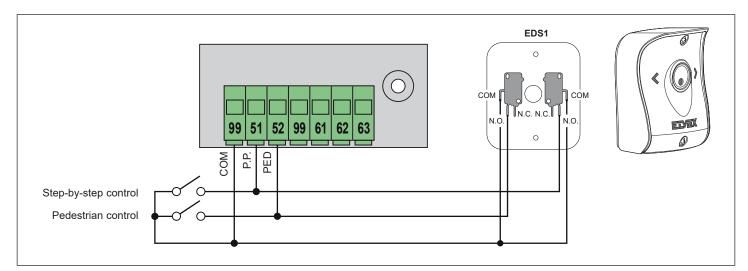


3.2 - Description of the input functions

51	Step by step (N.O.):
	Sequential control input, to control the full gate travel.
	Operating according to the setting for parameters P39 and P03:
	P39 = 0, P39 = 1 input 51 operating according to parameter P03.
	P39 = 2 input 51 only controls the opening.
	P03 = 1 collective, input 51
	- not active in opening
	- in pause it reloads the pause time if automatic closing is active and suspends the pause if the input remains engaged (for connecting coils
	or a timer), re-closes if automatic closing is not active
	- in closing it re-opens.
	P03 = 2 sequential Opens, Stop, Closes, Stop, Opens.
	P03 = 3 sequential Opens, Closes, Opens
52	Pedestrian (N.O.):
	Control input to open the gate for pedestrians as input 51 but at pedestrian distance
61	Stop (N.C.):
	Stops the gate.
	If not used, jumper with the common (99)
62	Closing photocell - PHC (N.C.):
	If not used, jumper with the common (99)
63	Photocell - PH (N.C.):
	Operating according to the setting for parameter P06:
	P06 = 1 Photocell:
	- with the gate stopped, does not allow the gate to open
	- during opening stops the movement and when released proceeds with opening
	- with the gate open, does not allow closing and when released will reload the pause time
	- in closing stops the movement and when released reopens the gate
	P06 = 2 Sensitive edge with NC clean contact:
	- with the gate stopped, does not allow the gate to open
	- in opening disengages, re-closes after the pause time if automatic closing is active
	- with the gate open, does not allow closing and when released will reload the pause time
	- in closing disengages and opens
	P06 = 3 8.2 KΩ balanced sensitive edge (8K2)
	Same behaviour as the NC sensitive edge
	If not used, jumper with the common (99) and set P06 = 1

4 - Connecting accessories

4.1 - Key switch and control devices

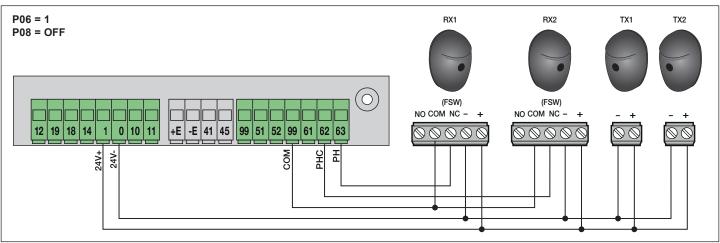




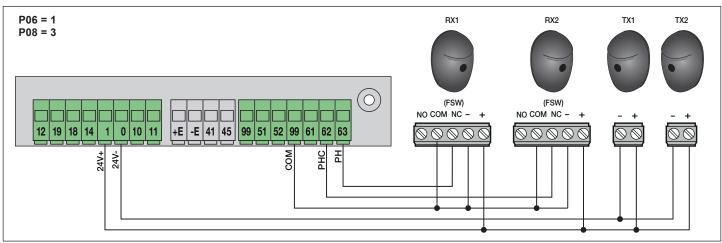
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4.2 - Fotocellule e fotocellule in chiusura

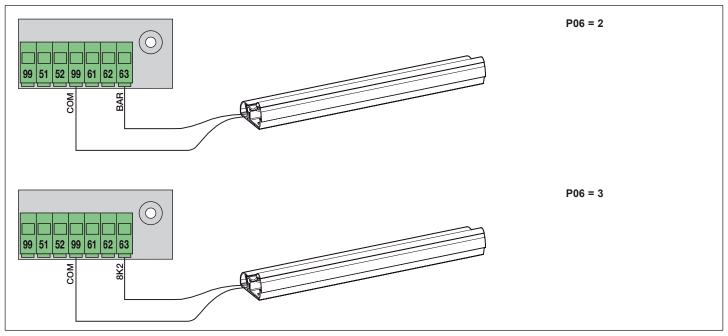
Contatto normalmente chiuso (a fotocellule non impegnate i LED 62 e 63 devono essere accesi), se non utilizzato fare un ponticello tra COM e 62, COM e 63, è necessario rispettare la polarità per l'alimentazione delle fotocellule:



4.3 - Photocells and photocells when closing with photo-test active



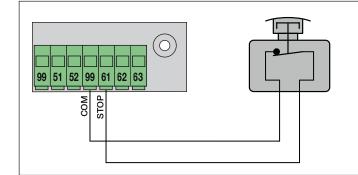
4.4 - Sensitive edge



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4.5 - Stop push-button



5 - Control panel programming

5.1 - Preliminary operations

After powering the unit, the name of the control board written as SW2.D, the firmware version FX.XX and 3 flashes with the word FLSH appear in the display, then display then goes off.

To function correctly, the control panel requires some minimum and essential settings and checks.

- Input status check:

 $\dot{\rm Check}$ the diagnostic LEDs of the inputs, the LEDs 61, 62, 63 must be on.

If one of the safety inputs (61, 62, 63) is not used, insert a bridge between the common (99) and the unused input.

If one of the safety inputs (61, 62, 63) is open, the dot at bottom righthand corner of the display flashes to indicate a engaged/non-working safety that will prevent the gate from moving. It will therefore be necessary to check the connections and the correct functioning status of the safety devices.

- Gate travel calibration

The control panel must know some physical parameters of the gate in order to function correctly. The operation allowing the control panel to know these physical gate parameters is called travel calibration. If this is not done, the control panel may not perform slowdowns or detect obstacles correctly.

5.2 - Using the display

Button	Description		
ок	Button to turn on the display, to access the menu and to confirm the parameter value change. When the motor is moving, when pushed once it displays the absorption in A of motor M1, when pushed twice it displays the absorption in A of motor M2		
	Button to scroll up the menus and increase the parameter value		
•	Button to scroll down the menus and decrease the param- eter value		
ESC	Button to turn off the display, exit the menu and cancel the parameter value change		
51	Step-by-step command button		

5.3 - Menus

The control board programming is organized in menus and submenus that allow to access and edit the parameters and logics of the control board. The control board features the following first level menus:

Menu	Description		
LRNE Quick gate travel calibration			
LRNA	Advanced gate travel calibration		
PAR	Control board parameter setting menu		
RAD	Remote controls management menu		
DEF	Factory reset menu		
CNT	Cycle counter menu		
ALM	LM Board alarms menu		
PASS	PASS Board protection level setting menu		

All submenus are described in the table below.

	submenus are described in the table below.			
	The calib - Openin - Openin - Closing It require Rows hi stallatio	pration is f g and clos g delay be delay be es mecha ghlightec	calibration. ully self-performed and sets: sing slowdown to 30% of the total travel stween leaves to 3 s tween leaves to 6 s unical stops both on opening and closing l in grey refer only refer to a double leaf in- ingle leaf installations delays between leaves ned	
	Button	Display msg	Phase description	
	-	51	Wait for calibration procedure start	
ш	51	CLS2	When button pressed: leaf 2 closing and search for leaf 2 closing stop	
LRNE	-	CLS1	Leaf 1 closing and search for leaf 1 closing stop	
	-	LOC	Electric lock activation to free leaf 1	
	-	OPN1	Leaf 1 opening travel measurement at slow down speed	
	-	OPN2	Leaf 2 opening travel measurement at slow down speed	
	-	CLS2	Leaf 2 closing at normal speed and then at slow down speed up to leaf 2 closing mechanical stop	
	-	CLS1	Leaf 1 closing at normal speed and then at slow down speed up to leaf 1 closing mechanical stop	
	-	0000	Full opening and closing of both leaves for cur- rent thresholds measurement	
	-	END	End of procedure	

LRNA	Calibratio - Openin - Leaves - Openin - Pedestr It require Rows hi stallatio	on allows g and clos end of tra g and clos rian openi es mecha ghlighteo	avel calibration. the installer to set: sing slow down position avel positions sing delays between leaves ng position inical stops on closing only I in grey refer only refer to a double leaf in- ngle leaf installations delays between leaves ned		
	Button	Display msg	Phase description		
	-	51	Wait for calibration procedure start		
	51	CLS2	When button pressed: leaf 2 closing and search for leaf 2 closing stop		
	-	CLS1	Leaf 1 closing and search for leaf 1 closing stop		
	-	LOC	Electric lock activation to free leaf 1		
	51	OPN1	Leaf 1 opening start. When button pressed: leaf 1 opening slow down position setting, the leaf proceeds at slow down speed		

Submenus

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	51	SLO	Leaf 1 opening slow down. When button pressed: leaf 1 opening stop position setting, if 51 is not pressed, the leaf learns as the opening stopping position the one obtained from the opening mechanical stop	
	51	OPN2	Leaf 2 opening start. When button pressed: leaf 2 opening slow down position setting, the leaf proceeds at slow down speed	
	51	SLO	Leaf 2 opening slow down. When button pressed: leaf 2 opening stop position setting, if 51 is not pressed, the leaf learns as the opening stopping position the one obtained from the opening mechanical stop	
LRNA	51	CLS2	Leaf 2 closing start. When button pressed: leaf 2 closing slow down position setting, the leaf proceeds at slow down speed	
	-	SLO	Leaf 2 continues closing at slow down speed up to closing mechanical stop	
	51	CLS1	Leaf 1 closing start. When button pressed: leaf 1 closing slow down position setting, the leaf proceeds at slow down speed	
	-	SLO	Leaf 1 continues closing at slow down speed up to closing mechanical stop	
	51	0000 (second count)	Leaf 1 opening start. When button pressed: leaf 2 starts opening, the control board learns and programs the displayed opening delay between leaves. Leaf 1 and leaf 2 proceed to full opening	
	51	0000 (second count)	Leaf 2 closing start. When button pressed: leaf 1 starts closing, the control board learns and programs the displayed closing delay between leaves. Leaf 1 and leaf 2 proceed to full closing	
	-	END	End of procedure	

Self-calibration:

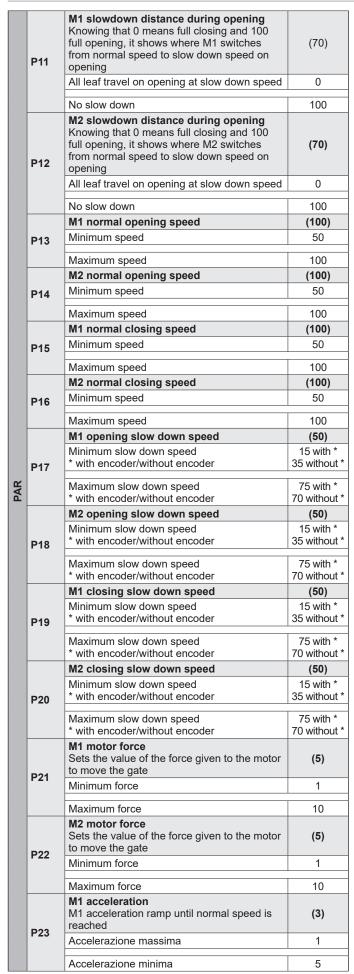
If the gate travel parameter is changed, there is no need for the installer to run new calibrations, however, when changing the travel parameters, the control panel needs to learn the current curve again, thus disabling the obstacle detection only during the self-calibration cycle. Self-calibration is appropriately highlighted on the display that shows 51, meaning that a command is required in order for the board to self-calibrate.

The events generating self-calibration are: - change in parameters: P09-10-11-12-13-14-15-16-17-18-19-20-21-22-25-26-31-36-43.

	Board	parameters	
	Sub menu	Description	Values (default)
		Auto close	(ON)
	P01	Auto close not active	OFF
		Auto close active	ON
		Pause time	(30)
	P02	2 s (minimum time)	2
PAR		600 s (maximum time)	600
E E		Command input n. 51	(1)
P	P03	Collective During the opening the command is not ac- tive. If P01 = ON when paused it restarts the pause time and if the input 51 remains en- gaged the control board suspends the count until the input is disengaged (for the connec- tion of coils or timers) if P01 = OFF, when paused it closes back During the closing it opens again	1

	P03	Step-bystep (4 steps logic) Cycle command Opens, Stops, Closes, Stops, Opens	2	
		Step-bystep (2 steps logic) Cycle command Opens, Closes, Opens	3	
	P04	Pre-flash The flashing light flashes for 3 s before the gate starts to move	(OFF)	
		Pre-flash not active	OFF	
		3 s pre-flash active	ON	
		Immediate closing	(OFF)	
		Immediate closing not active	OFF	
	P05	If the closing photocell is engaged and re- leased during the opening or the pause time, the control unit closes the gate, regardless of the pause time set, 3 s after the complete opening or 3 s after the release of the photo- cell (depending on whether the release takes place during opening or pause).	ON	
		Safety input n. 63	(1)	
PAR	P06	Photocell (PH): - with the gate stopped, does not allow the gate to open - during opening stops the movement and when released proceeds with opening - with the gate open, does not allow it to close and when released will reload the pause time - on closing stops the movement and when released reopens the gate	1	
		NC safety edge (BAR): - with the gate stopped, does not allow the gate to open - in opening disengages, closes after the pause time if auto close is active - with the gate open, does not allow closing and when released will reload the pause time - in closing disengages and opens	2	
		8.2 KΩ balanced safety edge (8K2): Same behaviour as the NC safety edge	3	
		Output 14 type of open gate warning loght (SCA)	(OFF)	
		Gate closed: not active Gate not closed: active fixed	OFF	
	P07	Gate closed: active fixed Gate closed: not active Gate in opening: slow flash Gate not closed: active fixed Closing gate: quick flash	ON	
		Safety input test	(OFF)	
		Test not active	OFF	
	P08	Test active on input 62	1	
		Test active on input 63	2	
		Test active on both inputs 62 and 63 M1 slowdown distance during closing	3	
	P09	Knowing that 0 means full closing and 100 full opening, it shows where M1 switches from normal speed to slow down speed on closing	(30)	
		No slow down	0	
	P10	Maximum closing slow down travel M2 slowdown distance during closing Knowing that 0 means full closing and 100 full opening, it shows where M2 switches from normal speed to slow down speed on closing	100 (30)	
		No slow down	0	
		Maximum closing slow down travel	100	

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P	M2 acceleration M2 acceleration ramp until normal speed is reached	(3)
P2	Accelerazione massima	1
	Accelerazione minima	5
	M1 deceleration ramp M1 motor deceleration ramp between norm speed and slow down speed	nal (6)
P	25 Soft ramp (minimum deceleration)	1
	Steep ramp (maximum deceleration)	8
D	M2 deceleration ramp M2 motor deceleration ramp between norm speed and slow down speed	ial (6)
	Soft ramp (minimum deceleration)	1
	Steep ramp (maximum deceleration)	8
	Opening delay time between leaves (s)	(3)
P2	29 Minimum delay	0
	Maximum delay	60
	Closing delay time between leaves (s)	(6)
P	30 Minimum delay	0
	Maximum delay	60
	Number of motors	(2)
P	Cinale leaf note	1
		2
	Double leaf gate Hammer strike It moves the leaf slightly in the gate move- ment opposite direction to make the release	(OFF)
P	of the electric lock easier	
	Minimum energizing time (pulse)	OFF
TAR	Maximum energizing time	ON
-	Solenoid electric lock energizing time (s)	(3)
P	33 Hammer strike not active	0
	Hammer strike active	10
	2nd radio channel function	(PED)
	The remote control button associated with the 2nd radio channel activates output 12 a an auxiliary radio output (RAU) for the time set in parameter P21	is 12
P		12
	the 2nd radio channel activates the pedes- trian opening. The output 12 functions as a courtesy light (LCO): it is activated when th gate moves and remains active for 100 s after the gate stops	e PED
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P	 The female control button associated with the 2nd radio channel activates the pedestrian opening. The output 12 functions as a courtesy light (LCO): it is activated when th gate moves and remains active for 100 s after the gate stops Output 12 as auxiliary radio output times (RAU) 1 s (shortest time) 	PED
-	 The female control button associated with the 2nd radio channel activates the pedestrian opening. The output 12 functions as a courtesy light (LCO): it is activated when th gate moves and remains active for 100 s after the gate stops Output 12 as auxiliary radio output times (RAU) 1 s (shortest time) 60 s (longest time) Pedestrian opening distance (%) Percentage of the opening total travel by a pedestrian command 	e PED
	31 The female control button associated with the 2nd radio channel activates the pedestrian opening. The output 12 functions as a courtesy light (LCO): it is activated when th gate moves and remains active for 100 s after the gate stops 35 Output 12 as auxiliary radio output times (RAU) 35 1 s (shortest time) 60 s (longest time) Pedestrian opening distance (%) Percentage of the opening total travel by a	e PED r (1) 1 60
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	 The femole control button associated with the 2nd radio channel activates the pedestrian opening. The output 12 functions as a courtesy light (LCO): it is activated when th gate moves and remains active for 100 s after the gate stops Output 12 as auxiliary radio output time (RAU) s (shortest time) s (longest time) Pedestrian opening distance (%) Percentage of the opening total travel by a pedestrian command Shortest pedestrian distance Maximum distance (full M1 opening) 	e PED r (1) 1 60 (100)
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P	 The femole control button associated with the 2nd radio channel activates the pedestrian opening. The output 12 functions as a courtesy light (LCO): it is activated when th gate moves and remains active for 100 s after the gate stops Output 12 as auxiliary radio output time (RAU) 1 s (shortest time) 60 s (longest time) Pedestrian opening distance (%) Percentage of the opening total travel by a pedestrian command Shortest pedestrian distance Maximum distance (full M1 opening) Flashing light during battery operation 	e PED r (1) 1 60 (100) 0 100 (OFF) n OFF
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		Dead-man operation	(0)
		Dead-man not active	0
	P39	Emergency dead-man: - In regular operating conditions, standard operation - If safaties are engaged, dead-man opera- tion only on input 51 and 52 as per parameter P41 setting. Remote controls are disabled	1
		Dead-man active: - step-by-step command disabled, remote controls disabled. The board accepts open and close mantained commands only	2
	P40 Force on mechanical stops Force applied by the motors against the mecahanical stops Minimum force (immediate stop detection) Maximum force (delayed stop detection)	(1)	
PAR		Minimum force (immediate stop detection)	0
P		Maximum force (delayed stop detection)	5
	P41	Function of inputs n. 51 and 52 and radio commands	(0)
		51: step-by-step or collective command 52: pedestrian command	0
		51: open only command 52: close only command	1
		51 & radio command on channel 1: open only command 52 & radio command on channel 2: close only command	2
		Type of actuators used	(4)
	P43	EIM1 (24 V underground 2 m)	1
	143	EAM2 (24 V linear 3 m)	4
		EAM3 (24 V linear 4 m)	5

	Remot	e control management	Msg display ex.	
		Remote control button programming on 1st channel (step-by-step or open, see P18)		
	1CH	Waiting the code (press the remote control button), the receiver is empty	0000	
		Waiting the code (press the remote control button), the receiver is set as rolling code	rc	
		Waiting the code (press the remote control button), the receiver is set as fixed code	fc	
		Remote control button programmed on 1st channel as 1st code in the memory	1001	
		Remote control button programmed on 1st channel as 55th code in the memory	1055	
		Memorizzazione di un tasto sul 2° canale (pedonale o uscita 12, vedere P20)		
		Waiting the code (press the remote control button), the receiver is empty	0000	
	2CH	Waiting the code (press the remote control button), the receiver is set as rolling code	rc	
		Waiting the code (press the remote control button), the receiver is set as fixed code	fc	
		Remote control button programmed on 2nd channel as 1st code in the memory	2001	
RAD		Remote control button programmed on 2nd channel as 55th code in the memory	2055	
		Remote control button memory position check		
	CTRL	Waiting the code (press the remote control button), the receiver is empty	none	
		Waiting the code (press the remote control button), the receiver is set as rolling code	rc	
		Waiting the code (press the remote control button), the receiver is set as fixed code	fc	
		Remote control button in position n.1 in the memory on 1st channel	1001	
		Remote control button in position n.99 in the memory on 2nd channel	2099	
		Button not in the memory	no	
		Remote control deletion Use ▲ ▼ buttons to select the n, of the		
		remote control code to be deleted.	-	
		Code stored in position 3 in the memory as 1st channel. Press OK to delete	1003	
	ERAS	Code stored in position 3 in the memory as 2nd channel. Press OK to delete	2003	
		Memory position n. 3 free	3	
		Deletion of all remote controls code from the memory of the receiver. Press OK and hold	ALL	
Set	ttina the	for 5 s to confirm operating mode of the receiver of the cont	rol board:	
The Fix - if	e receive ed code the first	er of the control board operates in Rolling code according to the first programmed remote com programmed remote control button is Rolling C	mode or trol button:	
- if	the first	ly accepts Rolling Code remote controls programmed remote control button is Fixed Co	ode, the	
receiver only accepts Fixed Code remote controls To change the receiver operating mode it is necessary to delete all the remote controls in the memory (ERAS-ALL) and program the first				
remote controls in the memory (ERAS-ALL) and program the first remote control according to the desired type.				



SW24.D



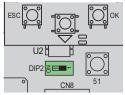
	Factory reset			
	Button	Display Msg	Description	
DEF	ок	0000	Waiting to press OK for 5 s to load factory set- tings.	
	Note: Factory reset does not require performing a new gate travel calibration as it does not reset parameters P09-10-11-12-13-14-15-16-17-18-19-20-21-22-25-26-31-36-43.			
	Counter	6		

	Counter	S		
	Button	Display Msg	Description	
	-	A025	First number of absolute cycles (multiplied by 10000)	
	▼	4075	Second number of absolute cycles	
CNT	In the example above, the gate has performed: 025 x (10000) + 4075 = 254075 total cycles			
IJ	▼	P019	First number of partial cycles (multiplied by 10000)	
	▼	1234	Second number of partial cycles	
			bove, the gate has performed: 234 = 191234 partial cycles	
	ок	0000	By pressing OK for more than 5 s the control board resets the count of the number of partial cycles	

	Alarms I	history	
	Button	Display Msg	Description
ALM	▲ ▼	X.FYY	Use ▲ ▼ keys to scroll the alarms of the control board in chronological order (last 9 memorized alarms, 1 most recent alarm, 9 oldest alarm). X indicates the position of the alarm, YY the type of alarm (see the alarm list table)
	-	1.F03	In position 1 alarm 03 is present (see the alarm list table)
	-	2. no	In position 2 there is no alarm
	ок	0000	Press OK until the display shows "oooo" to clear the list of memorized alarms

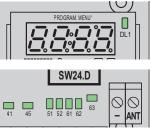
	Protecti	Protection level of the control board (default = OFF)		
S	OFF	No protection		
AS	1	Protection of menus PAR, DEF, LRNE e LRN		
Δ.	2	Protection of menu RAD		
	3	Full protection of the control board		

6 - DIP-switch functions



Dip	Function	Status	Description
Dip 2	Motor with/with- out encoder	OFF	The motors are equipped with en- coders
		ON	The motors are not equipped with encoders

7 - LED functions



LED	Status	Description
DL1	OFF	Power supply not present
	ON	Power supply present
	OFF	When the motor M1 is running: encoder signal absent (encoder not working)
41	ON	When the motor M1 is running: encoder signal present (it appears as a very rapid flashing according to the rotation speed of the motor)
	OFF	When the motor M2 is running: encoder signal absent (encoder not working)
45	ON	When the motor M2 is running: encoder signal present (it appears as a very rapid flashing according to the rotation speed of the motor)
51	OFF	Step-by-step input (terminal 51) not engaged
51	ON	Step-by-step input (terminal 51) engaged
52	OFF	Pedestrian input (terminal 52) not engaged
52	ON	Pedestrian input (terminal 52) engaged
61	OFF	Stop contact (terminal 61) open (engaged)
01	ON	Stop contact (terminal 61) closed (not engaged)
62	OFF	Photocell on closing engaged (terminal 62 open)
02	ON	Photocell on closing not engaged (terminal 62 closed)
	OFF	Photocell or safety edge engaged (terminal 63 open)
63	ON	Photocell or safety edge not engaged (terminal 63 closed)

8 - List of alarms

Alarm	Description
no	No stored alarm
F01	Motor M1 power supply error
F02	Motor M2 power supply error
F03	Obstruction during opening for motor M1
F04	Obstruction during opening for motor M2
F05	Obstruction during closing for motor M1
F06	Obstruction during closing for motor M2
F10	Faulty EEPROM memory
F11	Time-out exceeded during travel calibration
F12	Fuse blown or not present
F13	Time-out exceeded during regular operation
F14	M1 encoder error
F15	M2 encoder error
F16	Excessive absorption on the motor M1 power output
F17	Excessive absorption on the motor M2 power output

Regulatory compliance

Vimar SpA declares that this electronic device complies with EU directives 2014/53/UE, 2006/42/CE, 2014/30/EU, 2014/35/EU. The full text of the declaration of EU compliance is on the product sheet available at the following Internet address: www.vimar.com.

REACH (EU) Regulation no. 1907/2006 – Art.33. The product may contain traces of lead.

ELVOX Gates SW24.D





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