

CAME.COM

CONTROL PANEL FOR 24 V GEARMOTORS



FA01233-EN

CE







ZL65

INSTALLATION MANUAL

EN English

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IMPORTANT SAFETY INSTRUCTIONS WHEN INSTALLING WARNING: INCORRECT INSTALLATION MAY RESULT IN SERIOUS HARM, FOLLOW THESE INSTALLATION INSTRUCTIONS. THIS MANUAL IS EXCLUSIVELY INTENDED FOR PROFESSIONAL, SKILLED STAFF

LEGEND

- This symbol shows which parts to read carefully.
- ▲ This symbol shows which parts describe safety issues
- This symbol shows which parts to tell users about.

DESCRIPTION

Control panel for one or two-leaved swing gates with graphic display, divided into programming and warning and self-diagnosing safety devices.

The control panel is set up for:

- connecting the RGP1 module for reducing consumption;
- connecting the ERLB emergency (blackout) operation and battery-recharging card.
- connecting to the RIO-CONN card for configuring Rio-series wireless accessories;

- connecting the UR042 module for remotely managing CAME operators, using the CAME CLOUD-specific system. All connections and links are rapid-fuse protected.

Intended use

For private homes and apartment blocks.

Any installation and/or use other than that specified in this manual is forbidden.

Technical data

Туре	ZL65
Protection rating (IP)	54
Power supply (V - 50/60 Hz)	230 AC
Power supply motor (V)	24 DC
Stand-by consumption (W)	7
Stand-by consumption with the RGP1 (W) module	0.5
Maximum power (W)	300
Casing material	ABS
Operating temperature (°C)	-20 ÷ +55
Insulation class	
Weight (Kg)	3.3

ruses	
LINE FUSE - Line	2 A-F = 230 V
ACCESSORIES - Accessories	2 A-F

Fuence

Dimensions (mm)



Description of parts

- 1. Line fuse
- 2. Power supply terminals
- 3. Terminals for signaling devices
- 4. Gearmotors with encoder terminals
- 5. Control devices terminals
- 6. Safety devices terminals
- 7. CRP connection terminals
- 8. Keypad selector terminal
- 9. Terminals for transponder devices
- 10. Antenna terminal
- 11. Connector for the UR042 module
- 12. AF card connector

- 13. R700/R800 board connector
- 14. Connector for the RIO-CONN card
- 15. RSE board connector
- 16. Memory Roll card connector
- 17. Programming buttons
- 18. Display
- 19. Transformer
- 20. Terminals for the RGP1 module
- 21. Accessories fuse
- 22. Housing for the UR042 module
- 23. Housing for the RGP1 module
- 24. Housing for the RLB battery-charger card



GENERAL INSTALLATION INDICATIONS

▲ Only skilled, qualified staff must install this product.

▲ Warning! Before working on the control panel, cut off the main current supply and, if present, remove any batteries.

Preliminary checks

▲ Before installing the control panel, do the following:

• make sure the fastening points and the anchoring surface are solid and protected from impacts. Only use suitable nuts, bolts, dowels, and so on;

• make sure you have set up a suitable dual-pole cut off device, along the power supply, that is compliant with the installation rules. It should completely cut off the power supply according to category III surcharge conditions (that is, with minimum contact openings of 3 mm);

• (=) make sure that any connections inside the container (ones that ensure continuity to the protection circuit) are fitted with additional insulation with respect to those of other electrical parts inside:

• set up suitable tubes and conduits for the electric cables to pass through, making sure they are protected from any mechanical damage.

Tools and materials

Make sure you have all the tools and materials you will need for installing in total safety and in compliance with applicable regulations. The figure shows some of the equipment installers will need.



Cable types and minimum thicknesses

Connection	Cable type	Cable length 1 < 15 m	Cable length 15 < 30 m
Control panel power supply 230 V AC	H05RN-F	2G x 1.5 mm ²	2G x 2.5 mm ²
Motor/encoder power supply 24 V DC		3 x 1.5 mm ²	3 x 2.5 mm ²
Flashing light	FROR CEI	2 x 0.5	5 mm ²
Photocell transmitters] 20-22 CELEN	2 x 0.5	5 mm ²
Photocell receivers	50267-2-1	4 x 0.5	5 mm ²
Command and safety device		2 x 0.5	5 mm ²
Antenna	the RG58 antenna	max	10 m
Came Remote Protocol (CRP)	UTP CAT5	max 1	000 m

If cable lengths differ from those specified in the table, establish the cable sections depending on the actual power draw of the connected devices and according to the provisions of regulation CEI EN 60204-1. For multiple, sequential loads along the same line, the dimensions on the table need to be recalculated according to the actual power draw and distances. For connecting products that are not contemplated in this manual, see the literature accompanying said products

INSTALLATION

Fastening the control panel

Fasten the control panel in a protected area using suitable screws and dowels ①. \square Only use 6 x 70 mm cylinder-head screws.

Drill through the pre-drilled holes (18 and 20 mm) under the control panel's base 2. ▲ Be careful not to damage the control board.

Enter the cable gland with the corrugated tubes for threading the electrical cables **③**.



ELECTRICAL CONNECTIONS AND PROGRAMMING



5 - Manual FA01233-EN - 07/2018 - © CAME S.p.A. - The contents of this manual may change, at any time, and without notice. - Translated original instructions Page :

Connecting gearmotor with encoder



Warning device



Gate-open signal output. (Contact rated for 24 V AC/DC - 3 W max). See function F 10.

Output for connecting either flashing or cycle light. (Contact rated for: 24 V AC/DC - 25 W max). See function F 18.

Command and control devices

▲ WARNING! Before fitting any plug-in card, such as the AF or R800 one, YOU MUST CUT OFF THE MAINS POWER SUPPLY and, if present, disconnect any batteries.

Connector for the UR042 module.

IPUR042 does not work if it is connected to the RGP1 module or the RSE card.



Safety devices

Photocells

Configure contact CX or CY (NC), input for safety devices, such as photocells, that comply with EN 12978 provisions. See CX input functions (Function F2) or CY (Function F3) in:

- C1 reopening during closing. when the gate is closing, opening the contact causes the inversion of movement until opening is complete;

- C2 reclosing during opening. When the gate is opening, opening the contact triggers the inversion of movement until the gate is fully closed;

- C3 partial stop. Stopping of the gate, if it is moving, with consequent automatic closing (if the automatic closing function has been entered);

- C4 obstacle wait. Gate stops, if it is moving, and once the obstruction is removed, it resumes its movement.

If contacts CX and CY are not used they should be deactivated during programming.



Sensitive Safety Edges

Configure contact CX or CY (NC), input for safety devices, such as sensitive safety edges, that comply with EN 12978 provisions.

See CX input functions (Function F2) or CY (Function F3) in:

- C7 reopening during closing. when the gate is closing, opening the contact causes the inversion of movement until opening is complete;

- C8 reclosing during opening. When the gate is opening, opening the contact triggers the inversion of movement until the gate is fully closed.

If contacts CX and CY are not used they should be deactivated during programming.



Connecting the safety devices (i.e. the safety test)

At each opening and closing command, the control board checks the efficacy of the safety devices (such as, photocells).

Any malfunction will inhibit any command and E 4 will appear on the display. For this type of connection, enable function F 5.



Wireless devices

Fit the RIO-CONN card into the corresponding connector on the control board.

Set the function to be associated to the wireless device (F65, F66, F67 e F68).

Configure the wireless accessories (see the folder of the accessory you want to configure).

If the devices are not configured with the RIO-CONN card, the E 18 error message is displayed.

▲ If the system has radiofrequency interferences, the wireless system will inhibit the operator's normal operating mode and the E 17 error message is displayed.





RIO-LUX



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Description of programming commands



When the menu is active the system cannot be used.

Functions map

F 1	Total stop function (1-2)
F 2	Function associated to input 2-CX
F 3	Function associated to input 2-CY
F 5	Safety test function
F 6	Maintained action function
F 7	Control mode on 2-7
F 8	Control mode on 2-3P
F 9	Obstruction detection with motor idle function
F 10	Function associated to the open gate signal or electric lock enabling.
F 11	Encoder exclusion
F 12	Slowed-down start function
F 13	Closing thrust function
F 14	Sensor type selection function
F 16	Ram jolt function
F 18	Additional light function
F 19	Automatic closing time
F 20	Automatic closing time after partial opening
F 21	Preflashing time
F 22	Working time
F 23	Delayed opening time
F 24	Derayed closing lime
F 20	Ram juit ume
F 20 E 20	Adjusting opening slow down speed
E 33	Adjusting opening Slow-down Speed
F 34	Sensitivity during movement
F 35	Sensitivity during slow-down
F 36	Adjusting partial opening
F 37	Adjusting the M1 gearmotor's opening slow-down start point
F 38	Adjusting the M1 gearmotor's closing slow-down start point
F 39	Adjusting the M1 gearmotor's opening approach starting point
F 40	Adjusting the M1 gearmotor's closing approach starting point
F 41	Adjusting the M2 gearmotor's opening slow-down starting point
F 42	Adjusting the M2 gearmotor's closing slow-down starting point
F 43	Adjusting the M2 gearmotor's opening approach starting point
F 44	Adjusting the M2 gearmotor's closing approach starting point
F 46	Setting the motor numbers
F 49	Managing the serial connection
F 50	Saving data in memory roll
	Reading memory roll data
F 00 E 62	Changing COM speed
F 65	Function associated to the RIO_EDGE [T1] input
F 66	Function associated to the RIO-EDGE [11] input
F 67	Function associated to the RIO-CELL IT11 input
F 68	Function associated to the RIO-CELL [11] input
111	Entering new year with an appropriated command
	Enterning new user with an associated command
	Deleting single users
	Detering an users
Δ1	Motor type
Δ2	Motor test
Δ3	Travel calibration
Δ Δ	Resetting narameters
A 5	Counting maneuvers
	Coffuero version
ΗI	Sollware version

Functions menu

- IMPORTANT! Start programming by first performing the MOTOR TYPE (A 1), F 46 MOTOR NUMBERS and A3 TRAVEL CALIBRATION functions.
- \bigtriangleup Programming the features is to be done when the operator is stopped.
- I You can memorize up to 25 users.

F 1 lotal stop [1-2]	OFF= Deactivated (default) / ON= Activated
NC input – Gate stop th safety device is inserted	nat excludes any automatic closing; to resume movement, use the control device. The into [1-2].
F 2 Input [2-CX]	OFF= Deactivated (default) / 1 = C1 / 2 = C2 / 3 = C3 / 4 = C4 / 7 = C7 / 8 = C8
NC input – Can associate photocells, C3 = partial C8 = reclosing during o Image: The C3 Partial stop	ate: $C1 =$ reopening during closing by photocells, $C2 =$ reclosing during opening by stop, $C4 =$ obstruction wait, $C7 =$ reopening during closing by sensitive safety-edges, pening by sensitive safety-edges. function only appears if the F 19 Automatic closing time function is activated.
F 3 Input [2-CY]	OFF = Deactivated (default) / 1 = C1 / 2 = C2 / 3 = C3 / 4 = C4 / 7 = C7 / 8 = C8
NC input – Can associate photocells, C3 = partial C8 = reclosing during o Image: The C3 Partial stop	ate: $C1 =$ reopening during closing by photocells, $C2 =$ reclosing during opening by stop, $C4 =$ obstruction wait, $C7 =$ reopening during closing by sensitive safety-edges, pening by sensitive safety-edges. function only appears if the F 19 Automatic closing time function is activated.
F 5 Safety test	OFF= Deactivated (default) / 1 = $CX / 2 = CY / 4 = CX+CY$
After every opening or c	losing command, the board will check whether the photocells are working properly.
I he safety test is all	ways active for wireless devices.
F 6 Maintained action	ways active for wireless devices. ON OFF= Deactivated (default) / ON= = Activated
F 6 Maintained actic The gate opens and close on contact 2-7. All other	ways active for wireless devices. on OFF= Deactivated (default) / ON= = Activated ses by keeping the button pressed. Opening button on contact 2-3P and closing button r control devices, even radio-based ones, are excluded.
F 6Maintained actionThe gate opens and closeon contact 2-7. All otherF 7Command [2-7]	ways active for wireless devices. on OFF= Deactivated (default) / ON= = Activated ses by keeping the button pressed. Opening button on contact 2-3P and closing button r control devices, even radio-based ones, are excluded. 0 = Step-step (default) / 1 = Sequential
F 6Maintained actionThe gate opens and cloon contact 2-7. All otherF 7Command [2-7]From the control deviceclose-stop) command.	ways active for wireless devices. on OFF= Deactivated (default) / ON= = Activated ses by keeping the button pressed. Opening button on contact 2-3P and closing button r control devices, even radio-based ones, are excluded. 0 = Step-step (default) / 1 = Sequential connected to 2-7 it performs the step-step (open-close-invert) or sequential (open-stop-
 F 6 Maintained action The gate opens and cloon contact 2-7. All othe F 7 Command [2-7] From the control device close-stop) command. F 8 Command [2-3P] 	 ways active for wireless devices. on OFF= Deactivated (default) / ON= = Activated ses by keeping the button pressed. Opening button on contact 2-3P and closing button r control devices, even radio-based ones, are excluded. 0 = Step-step (default) / 1 = Sequential connected to 2-7 it performs the step-step (open-close-invert) or sequential (open-stop- 0 = Pedestrian opening (default) / 1 = Partial opening
 F 6 Maintained actic The gate opens and clo on contact 2-7. All othe F 7 Command [2-7] From the control device close-stop) command. F 8 Command [2-3P From the control device the partial opening (part set with F 36). 	 ways active for wireless devices. OFF= Deactivated (default) / ON= = Activated ses by keeping the button pressed. Opening button on contact 2-3P and closing button r control devices, even radio-based ones, are excluded. 0 = Step-step (default) / 1 = Sequential connected to 2-7 it performs the step-step (open-close-invert) or sequential (open-stop- 0 = Pedestrian opening (default) / 1 = Partial opening connected to 2-3P, it performs the pedestrian opening (completely opened M2 leaf) or tially opened 2 leaf): the degree of opening depends on the travel percentage adjustment
 F 6 Maintained action The gate opens and cloon contact 2-7. All othe F 7 Command [2-7] From the control device close-stop) command. F 8 Command [2-3P] From the control device the partial opening (particle set with F 36). F 9 Obstruction determination when motor is in 	 ways active for wireless devices. OFF= Deactivated (default) / ON= = Activated ses by keeping the button pressed. Opening button on contact 2-3P and closing button r control devices, even radio-based ones, are excluded. 0 = Step-step (default) / 1 = Sequential connected to 2-7 it performs the step-step (open-close-invert) or sequential (open-stop- 0 = Pedestrian opening (default) / 1 = Partial opening connected to 2-3P, it performs the pedestrian opening (completely opened M2 leaf) or tially opened 2 leaf): the degree of opening depends on the travel percentage adjustment oFF= Deactivated (default) / ON= = Activated

F 10 Open-gate signal or electric lock enabling	 0 = lit when gate is open or moving (default) 1 = when opening it flashes intermittently every half-second, when closing it flashes intermittently every second, stays lit when gate is open, stays off when gate is closed 2 = enabled electric lock.
It signals the gate status. The sign connected to transformer's 17 V-c III In the latter case, connect a 3	aling device is connected to 10-5 or, alternatively, it enables the electric lock utput and to terminal 5. .15 A fuse.
F 11 Encoder	ON= Activated (default) / OFF = Deactivated
Managing slow-downs, obstruction	n detections and sensitivity.
F 12 Slowed-down start	OFF= Deactivated (default) / ON= = Activated
With each opening and closing co	nmand, the gate starts moving slowly for a few seconds.
F 13 Closing thrust	OFF= deactivated (default) / 1 = minimum thrust / 2 = medium thrust / 3 = maximum thrust
At the closing limit switch, the gea	rmotors make the leaves perform a brief closing thrust.
F 14 Select sensor type	0 = transponder sensor or magnetic card reader command 1 = command with keypad selector (default)
Setting the type of sensor for cont	rolling the operator.
F 16 Ramming jolt	OFF= Deactivated (default) / ON= = Activated
Before every opening or closing mains set with F 26.	aneuver, the leaves thrust inwards to release the electric lock. The thrust time,
F 18 Extra light	0 = Flashing (default) / 1 = Cycle
Output on contact 10-E. Flashing light: it flashes during the Cycle: it stays lit from the beginnin automatic closing.	gate's opening and closing phases. Ig of the opening until complete closing, including the waiting time before the
F 19 Automatic closing time	OFF= Deactivated (default) $/ 1 = 1$ second $/ \dots / 180 = 180$ seconds
The automatic-closing wait starts and 180 seconds. The automatic of is detected, after a total stop or du	when the opening limit switch point is reached and can be set to between 1 losing does not turn on if any of the safety devices trigger when an obstruction ring a power outage.
F 20 Automatic closing time after partial opening	OFF= Deactivated (default) / 1 = 1 second / / 180 = 180 seconds
The wait before the automatic closest 1 s and 180 s. The automatic closing does not turn a total stop or during a power outation of the stop or during a power outation.	ing starts after a partial opening command for an adjustable time of between n on if any of the safety devices trigger when an obstruction is detected, after ige.
F 21 Preflashing time	OFF= Deactivated (default) / 1 = 1 second / / 10 = 10 seconds
Adjusting the pre-flashing time for is adjustable from 1 to 10 seconds	the flashing light connected to 10-E before each maneuver. The flashing time

F 22 Working time	5 = 5 seconds / / $120 = 120$ seconds (default) / / $180 = 180$ seconds.
Motors working time, when opening	g and closing. Adjustable between 5 and 180 seconds.
F 23 Delayed opening time	0 = 0 seconds / / $2 = 2$ seconds (default) / / $10 = 10$ seconds.
After an opening command, the M seconds.	1 gearmotor starts delayed. The delay time is adjustable between 0 and 10
F 24 Delayed closing time	0 = 0 seconds/ / $5 = 5$ seconds (default) / / $25 = 25$ seconds.
After either a closing command or adjustable between 0 and 25 second	an automatic closing, the M2 gearmotor starts delayed. The delay time is nds.
F 26 Ram jolt time	1 = 1 second (default) / $2 = 2$ seconds
After an opening or closing comm seconds.	and, the gearmotor thrusts inward for an adjustable time between 1 and 2
F 27 Lock time	1 = 1 second (default) / $4 = 4$ seconds
After an opening or closing comman	nd, the electric lock releases for an adjustable time between 1 and 4 seconds.
F 28 Travel speed	60 = Minimum speed / / 100 = Maximum speed default)
Setting the gate's opening and close For FA7024CB gearmotors, the	ing speeds, calculated as a percentage. minimum speed is 50.
F 30 Slow-down speed	$10 = Minimum \text{ speed } / \dots / 50 = Speed (default) / \dots / 60 = Maximum speed$
Setting the gate's opening and close For FA7024CB gearmotors, the	ing slow-down speed, calculated as a percentage. minimum speed is 30.
F 33 Calibration speed	20 = Minimum speed / / 50 = Speed (default) / / 60 = Maximum speed
Setting the gearmotors' speeds dur	ing calibration, calculated as a percentage.
F 34 Travel sensitivity	10 = sensitivity / / 100 = minimum sensitivity (default)
Adjusting obstruction detection sen	sitivity during boom travel.
F 35 Slow-down speed	10 = sensitivity / / 100 = minimum sensitivity (default)
Adjusting the obstruction-detection	sensitivity during slow-downs
F 36 Adjusting partial opening	10=10% of the travel / / $40=40%$ of the travel (default) / / $80=80%$ of the travel
Adjustment as a percentage of tota	I travel, during gate opening.
F 37 M1 slow-down starting point	1=1% of the travel / / 25 = 25% of the travel (<code>default</code>) / / 60 = 60% of the travel
Adjusting as a percentage of the to Adjusting as a percentage of the to Adjusting as a percentage of the to	tal travel, the opening slow-down starting point of motor M1. e Encoder function is activated.
F 38 M1 closing slow-down point	1=1% of the travel / / $25=25%$ of the travel (default) / / $60=60%$ of the travel
Adjusting as a percentage of the to Adjusting as a percentage of the to Adjusting as a percentage of the to	tal travel, the closing slow-down starting point of motor M1. e Encoder function is activated.

point	1 = 1% of the travel / / $10 = 10%$ of the travel (default)
Adjusting as a percentage of the to Adjusting and Adjusting as a percentage of the to Adjusting adjusting a	tal travel, the M1 motor's opening approach starting point. The Encoder function is activated.
F 40 M1 closing approach point	1 = 1% of the travel / / $10 = 10%$ of the travel (default)
Adjusting as a percentage of the to This function only appears if the	otal travel, the M1 motor's closing-approach starting point. le Encoder function is activated.
F 41 M2 motor's opening slow-down point	1 = 1% of the travel / / 25 = 25% of the travel (<i>default</i>) / / 60 = 60% of the travel
Adjusting as a percentage of the to Adjusting as a percentage of the to Adjusting as a percentage of the total sector of total sector of the total sector of total secto	tal travel, the M2 motor's opening slow-down starting point. e Encoder function is activated.
F 42 M2 motor's closing slow- down point	1 = 1% of the travel / / 25 = 25% of the travel (<i>default</i>) / / 60 = 60% of the travel
Adjusting as a percentage of the to Adjusting as a percentage of the to Adjusting appears if the second s	tal travel, the M2 motor's closing slow-down starting point. The Encoder function is activated.
F 43 M2 motor's opening approach point	1 = 1% of the travel / / $10 = 10%$ of the travel (default)
Adjusting as a percentage of the to Adjusting as a percentage of the to Adjusting as a percentage of the total sector of total sector of the total sector of total secto	tal travel, of the M2 motor's opening approach starting point. e Encoder function is activated.
F 44 M2's closing approach point	1 = 1% of the travel / / $10 = 10%$ of the travel (default)
Adjusting as a percentage of the to Adjusting as a percentage of the to Adjusting as a percentage of the total sector of total sector of the total sector of total secto	tal travel, the M2 motor's closing approach starting point. e Encoder function is activated.
E 46 Number of motors	
	OFF = M1 and M2 (default) / $ON = = M2$
For setting the number of motors c	OFF = M1 and M2 (default) / ON= = M2 onnected to the control panel.
For setting the number of motors c F 49 Managing the serial connection	OFF = M1 and M2 (default) / ON= = M2 onnected to the control panel. OFF= Deactivated (default) / 3 = CRP
For setting the number of motors c F 49 Managing the serial connection To enable functioning of the Came	OFF = M1 and M2 (default) / ON= = M2 onnected to the control panel. OFF= Deactivated (default) / 3 = CRP Remote Protocol.
For setting the number of motors c F 49 Managing the serial connection To enable functioning of the Came F 50 Saving data	OFF = M1 and M2 (default) / ON= = M2 onnected to the control panel. OFF= Deactivated (default) / 3 = CRP Remote Protocol. OFF= Deactivated (default) / ON= = Activated
 For setting the number of motors c F 49 Managing the serial connection To enable functioning of the Came F 50 Saving data Saving users and saved settings in	OFF = M1 and M2 (default) / ON= = M2 onnected to the control panel. OFF= Deactivated (default) / 3 = CRP Remote Protocol. OFF= Deactivated (default) / ON= = Activated memory roll. nemory roll has been fitted into the control board.
 For setting the number of motors c F 49 Managing the serial connection To enable functioning of the Came F 50 Saving data Saving users and saved settings in This feature only appears if a n F 51 Read data 	OFF = M1 and M2 (default) / ON= = M2 onnected to the control panel. OFF= Deactivated (default) / 3 = CRP Remote Protocol. OFF= Deactivated (default) / ON= = Activated memory roll. nemory roll has been fitted into the control board. OFF= Deactivated (default) / ON= = Activated
 For setting the number of motors c F 49 Managing the serial connection To enable functioning of the Came F 50 Saving data Saving users and saved settings in This feature only appears if a n F 51 Read data Uploading data saved in memory ro This feature only appears if a n 	OFF = M1 and M2 (default) / ON= = M2 onnected to the control panel. OFF= Deactivated (default) / 3 = CRP Remote Protocol. OFF= Deactivated (default) / ON= = Activated memory roll. nemory roll has been fitted into the control board. OFF= Deactivated (default) / ON= = Activated
 For setting the number of motors c F 49 Managing the serial connection To enable functioning of the Came F 50 Saving data Saving users and saved settings in This feature only appears if a n F 51 Read data Uploading data saved in memory ro This feature only appears if a n F 56 Peripheral number 	OFF = M1 and M2 (default) / ON= = M2 onnected to the control panel. OFF= Deactivated (default) / 3 = CRP Remote Protocol. OFF= Deactivated (default) / ON= = Activated memory roll. nemory roll has been fitted into the control board. OFF= Deactivated (default) / ON= = Activated OFF= Deactivated (default) / ON= = Activated 0FF= Deactivated (default) / ON= = Activated 0IL. nemory roll has been fitted into the control board. 1> 255
 For setting the number of motors c F 49 Managing the serial connection To enable functioning of the Came F 50 Saving data Saving users and saved settings in This feature only appears if a n F 51 Read data Uploading data saved in memory ro This feature only appears if a n F 56 Peripheral number To set the peripheral's number from operators. 	OFF = M1 and M2 (default) / ON= = M2 onnected to the control panel. OFF= Deactivated (default) / 3 = CRP Remote Protocol. OFF= Deactivated (default) / ON= = Activated memory roll. nemory roll has been fitted into the control board. OFF= Deactivated (default) / ON= = Activated memory roll has been fitted into the control board. OFF= Deactivated (default) / ON= = Activated oll. nemory roll has been fitted into the control board. 1> 255 om 1 to 255 for each control board when you have a system with several
 For setting the number of motors c F 49 Managing the serial connection To enable functioning of the Came F 50 Saving data Saving users and saved settings in This feature only appears if a n F 51 Read data Uploading data saved in memory ro This feature only appears if a n F 56 Peripheral number To set the peripheral's number frooperators. F 63 Changing COM speed 	OFF = M1 and M2 (default) / $ON = = M2$ onnected to the control panel.OFF= Deactivated (default) / $3 = CRP$ Remote Protocol.OFF= Deactivated (default) / $ON = = Activated$ memory roll.nemory roll has been fitted into the control board.OFF= Deactivated (default) / $ON = = Activated$ onemory roll has been fitted into the control board.OFF= Deactivated (default) / $ON = = Activated$ oll.nemory roll has been fitted into the control board.1> 255om 1 to 255 for each control board when you have a system with several0 = 1200 Baud / 1 = 2400 Baud / 2 = 4800 Baud / 3 = 9600 Baud / 4 = 14400 Baud / 5 = 19200 Baud / 6 = 38400 Baud / 7 = 57600 Baud / 8 = 115200 Baud

F 65 Wireless input RIO-EDGE [T1]	OFF= Deactivated (default) / $7 = P7 / 8 = P8$
RIO-EDGE wireless safety device a during closing, P8 = reclosing duri For programming, see the instruction This function only appears is the	associated to any function chosen among those available: P7 = reopening ng opening. ons that come with the accessory. ne control board has been fitted with a RIO-CONN card.
F 66 Wireless input RIO-EDGE [T2]	OFF= Deactivated (default) / $7 = P7 / 8 = P8$
RIO-EDGE wireless safety device a during closing, P8 = reclosing duri For programming, see the instruction I will appear is the second	associated to any function chosen among those available: $P7 =$ reopening ng opening. ons that come with the accessory. ne control board has been fitted with a RIO-CONN card.
F 67 Wireless input RIO-CELL [T1]	OFF= Deactivated (default) / 1 = P1 / 2 = P2 / 3 = P3 / 4 = P4
RIO-CELL is associated to any fun reclosing during opening; P3 = par For programming, see the instruction This function only appears is the	action chosen among those available: $P1 =$ reopening during closing; $P2 =$ tial stop; $P4 =$ obstruction wait. ons that come with the accessory. The control board has been fitted with a RIO-CONN card.
F 68 Wireless input RIO-CELL [T2]	OFF= Deactivated (default) / 1 = P1 / 2 = P2 / 3 = P3 / 4 = P4
RIO-CELL is associated to any fun reclosing during opening; P3 = par For programming, see the instruction Im This function only appears is the	action chosen among those available: $P1 =$ reopening during closing; $P2 =$ tial stop; $P4 =$ obstruction wait. ons that come with the accessory. The control board has been fitted with a RIO-CONN card.
U 1 Entering a user	1 = Step-step command (open-close) / 2 = Sequential command (open-stop-close-stop) / 3 = Only open command / 4 = Partial command
Entering up to up to a 25 users m ones. This must be done via tran COMMAND paragraph).	aximum and associating to each one a function chosen among the existing smitter or other control device (see "ENTERING USERS WITH ASSOCIATED
U 2 Deleting a user	
Deleting a single user	
U 3 Deleting users	OFF= Deactivated / ON= = Deleting all users
Deleting all users.	
U 4 Decoding the radio- frequency code	 Select the type of transmitter radio coding that you wish to save on the control board. ▲ When you select a radio coding, all saved transmitter are automatically deleted. □ TWIN's coding lets you save multiple users with the same key (Key block). 1 = all of the series (default)/2 = only Rolling Code series /3 = only TWIN series
A 1 Motor type	1 = SWN20 - SWN25 (default) / 2 = FA7024CB
Selecting the gearmotor used on th	ne system.
A 2 Motors test	OFF= Disable / ON= = Activate
Test for checking the gearmotors'	proper rotating directions (see the MOTORS TEST paragraph).

A 3 Travel calibration	OFF= Disable / ON= = Activate
Automatic calibration of the gate-	leaf run (see the TRAVEL CALIBRATION paragraph). the Encoder function is activated.
A 4 Resetting parameters	OFF= Disable / ON= = Activate
Warning! The default settings are	restored and the travel calibration deleted.
A 5 Counting maneuvers	OFF = Number of maneuvers made / ON = = Deleting all maneuvers
For viewing the number of mane maneuvers; 100 = 10,000 mane	uvers completed or for deleting them $(001 = 100 \text{ maneuvers}; 010 = 1,000 \text{ uvers}; 999 = 99,900 \text{ maneuvers}; CSI = maintenance job)$
H 1 Version	
View the firmware version.	

Motors test



Travel calibration

Before calibrating the gate travel, position the gate half-way, check that the maneuvering area is clear of any obstruction and check that there are mechanical opening and closing stops.

 $\ensuremath{\vartriangle}\xspace$ The mechanical end-stops are obligatory.

Important! During calibration, all safety devices will be disabled.

Select A 3. Press ENTER to confirm.





When entering/deleting users, the flashing numbers that appear, are numbers that can be used for other users you may wish to enter (maximum 25 users).

Entering a user with an associated command



Deleting a single user

Select U 2. Press ENTER to confirm.

Use the arrow keys select the number of the user you wish to delete. Press ENTER to confirm...

... Clr will appear on the screen to confirm deletion.







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Memory Roll Card

To memorize user data and configure the system, to then reuse them with another control board even on another system.

After memorizing the data, it is best to remove the Memory Roll.



ILLUSTRATION OF THE SLOW-DOWN AND APPROACH AREAS AND POINTS

The travel areas and slow-down and approach points are tested to comply with the parameters set forth by Technical Regulations EN 12445 and EN 12453 for impact force compatibility of moving gate leaves.



motor (M2) so as to achieve a distance of less than 50 mm from the strike plate.

ERROR MESSAGE

The error messages are shown on the display.

E 1	The travel calibration was interrupted when the STOP button was activated
E 2	Calibrating the incomplete travel
E 3	Encoder broken
E 4	Services test error
E 7	Insufficient working time
E 9	Closing obstruction
E 10	Opening obstruction
E 11	Maximum number of detected obstructions
E 14	Serial communication error
E 17	Wireless system error
E 18	The wireless system hasn't been configured.

FINAL OPERATIONS

Fastening the cover

Once finished with the electrical connections and powering up, fit the cover and secure it using the supplied screws.



DISMANTLING AND DISPOSAL

Always make sure you comply with local laws before dismantling and disposing of the product. The packaging materials (cardboard, plastic, and so on) should be disposed of as solid household waste, and simply separated from other waste for recycling.

Whereas other components (control boards, batteries, transmitters, and so on) may contain hazardous pollutants. These must therefore be disposed of by authorized, certified professional services.

DO NOT DISPOSE OF IN NATURE!

REFERENCE REGULATIONS

The product complies to the reference regulations in effect.



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