GO / GO PLUS

Quick Installation and Programming Guide

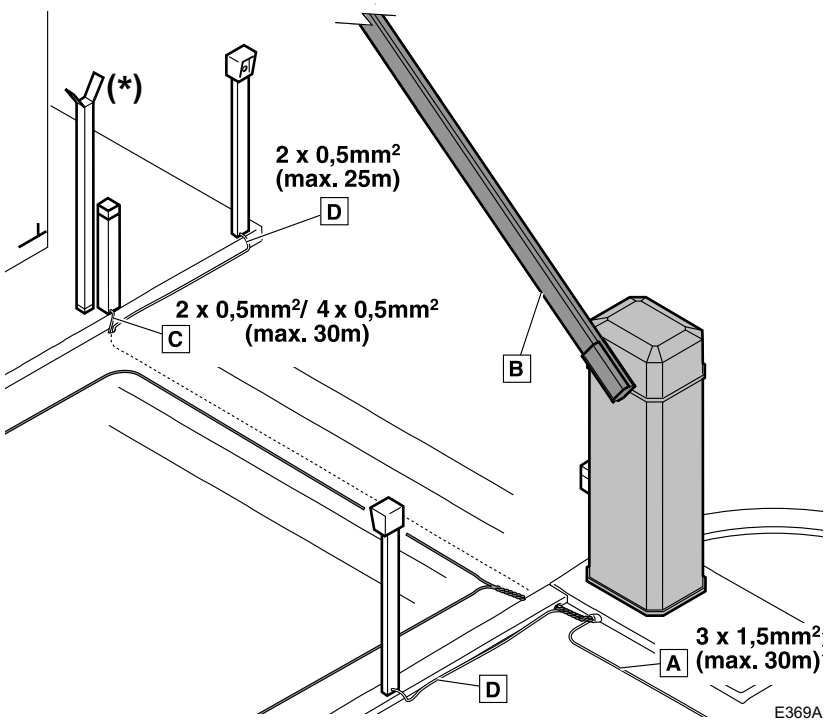
English

WARNING

This quick guide is a summary of the complete installation guide. The guide contains safety warnings and other explanations that must be taken into account. You can download the latest version of this guide and the installation guide in the "Downloads" section of the ERREKA website: **http://www.erreka.com.**

The options and functions described in this guide apply for the firmware version indicated on the circuit. The firmware, as part of a process of continuous improvement, is subject to the incorporation of new functionalities or upgrades, and therefore to new versions not necessarily compatible with previous ones. Some options or functions may therefore differ or be unavailable if your firmware is older than shown in this guide.

Elements of the complete installation



☞ **The diagram shows a GO PLUS right-hand barrier with LED strip.**

***:** fixed bar bracket (AGO15). The fixed (AGO15) or moving (AGO16) bar bracket must be installed for barriers measuring 4m or longer.

Wiring

A: Main power supply
3x1.5mm^2 (max. 30m)

B: Red/green LED strip

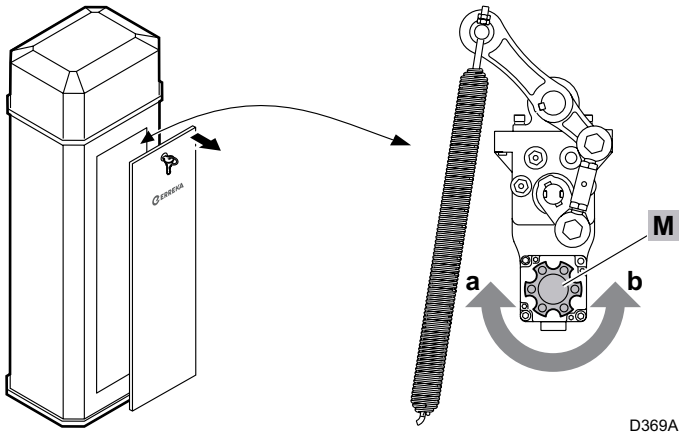
C: Photocells (Tx / Rx)
2x0.5mm^2 / 4x0.5mm^2 (max. 30m)

D: Key switch
2x0.5mm^2 (max. 25m)

Manual drive

Turn the handle (M) in direction (a) or (b) to raise or lower the barrier.

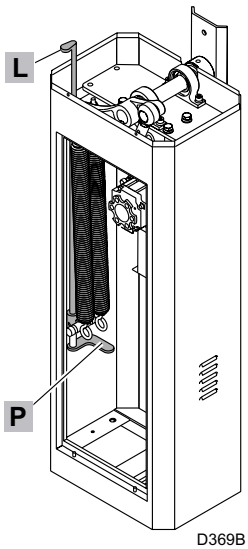
(A **GO PLUS right-hand** barrier is shown)



Opening the upper cover

To remove the upper cover (for GO PLUS models only), it is necessary to turn the lever (P) next to the lower anchor of the balancing springs. This turns the unlocking cam (L).

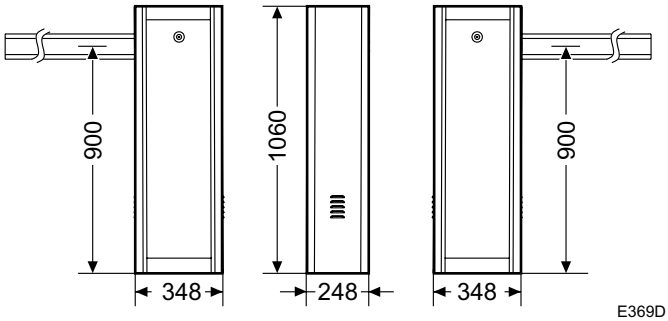
(A **GO PLUS right-hand** barrier is shown)



GO models (up to 5m)

Left-hand model GO524BECI (closes to the left)

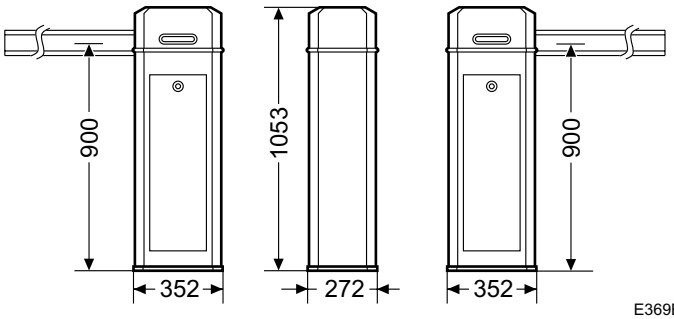
Right-hand model GO524BECD (closes to the right)



GO PLUS models (up to 8m)

Left-hand model GOP24BECI (closes to the left)

Right-hand model GOP24BECD (closes to the right)



Choosing the balancing spring(s)

The balancing springs to be used depend on the length of the barrier arm, the type of arm, and the accessories placed on it (in short, the total weight of the arm).

The attached tables indicate which springs to use, depending on the case. Using other accessories may affect the choice of springs.

☞ **If the spring must be changed, it is best to do this before installing the barrier and arm.**

GO (GO524BEC) and GO PLUS (GOP24BEC) barriers				
	Type and length of arm			
Accessories installed	Straight 0-2.5m (AGO02-AGO04)	Straight 2.5-3m (AGO02-AGO04)	Straight 3-4m (AGO02-AGO04) Telescopic 4m (AGO01)	Straight 4-5m (AGO03-AGO05) Telescopic 5m (AGO01)
None LEDs Rubber bar Moving bracket (*) LED Lights + Moving foot Rubber bar + Moving foot	No springs	1x Ø4	1x Ø5 Straight 4m: 1x Ø5	1x Ø4 + 1x Ø5 Straight 5m (GO standard configuration): 1x Ø4 + 1x Ø5

GO PLUS barriers (GOP24BEC)		
	Type and length of arm	
Accessories installed	Telescopic 6m (AGO06)	Telescopic 8m (AGO07-AGO08)
None LEDs Rubber bar Moving bracket (*) LED Lights + Moving foot Rubber bar + Moving foot	2x Ø5 (GO PLUS standard configuration)	2x Ø5 + 2x Ø6 (Ø6 central position - Ø5 lateral position)

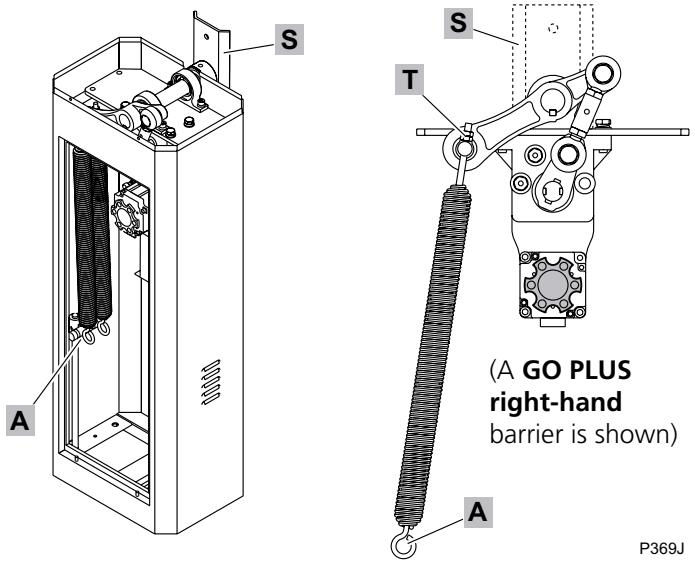
GO PLUS barriers (GOP24BEC)			
	Oval articulated arm 90°		
Accessories installed	Length 3m (AGO11)	Length 4m (AGO10)	Length 5m (AGO09)
None	1x Ø5	2x Ø5	1x Ø4 + 1x Ø6

GO PLUS barriers (GOP24BEC)		
	Oval arm with skirt	
Accessories installed	Length 3m (AGO13-AGO17)	Length 4m (AGO14-AGO18)
None	2x Ø5	1x Ø4 + 1x Ø6

*** The fixed (AGO15) or moving (AGO16) bar bracket must be installed for barriers measuring 4m or longer.**

☞ **More arms than those shown in this table can be mounted; see the complete manual for more information.**

Changing the spring



(A **GO PLUS right-hand** barrier is shown)

P369J

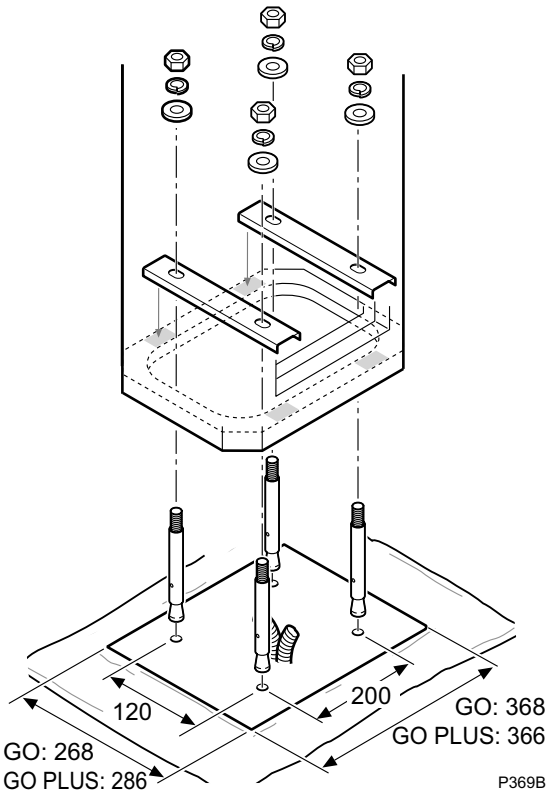
☞ **If the spring(s) must be changed, do this before installing the barrier and arm.**

1. Place the arm bracket (S) in vertical position.
2. Loosen the nuts (T) anticlockwise until the spring(s) lose tension. Completely remove them.
3. Remove the spring(s) by detaching them from the lower anchor (A).
4. Position the new springs in the same way as the previous ones.
5. Screw the nuts (T) and balance the barrier as described below. If there are multiple springs, these must have the same tension, meaning the nuts (T) on both springs must be tightened equally.

Mounting on the ground

Prepare a firm base and fasten the barrier with the elements supplied:

- Expansion bolts
- Flatbars
- Washers
- Spring washers
- Nuts



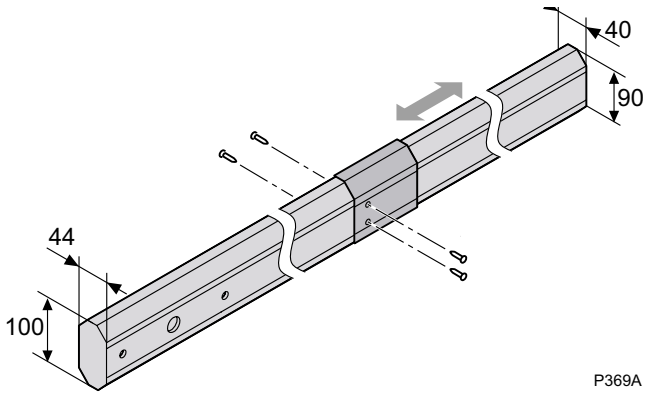
P369B

Preparing the arm: length and LED strip

Adjusting arm length:

If the arm is not telescopic, cut it to the required length.

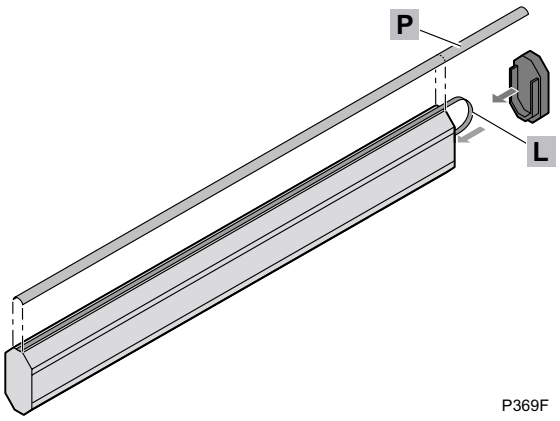
If the arm is telescopic, it is not necessary to cut it; simply adjust its length by inserting more or less of the smaller section into the larger section.



P369A

Adjusting the length of the LED strip:

If the arm has been shortened, the LED strip (L) will be too long. Do not cut it; insert the excess inside the arm through the end. Cut the excess from the LED strip's protective cover (P).



P369F

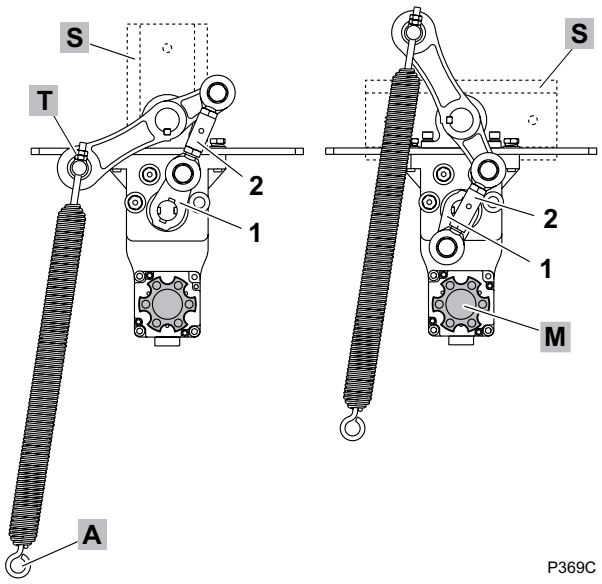
Assembling the arm

1 Loosen the spring(s) by unscrewing the tension nuts (T) and remove the spring(s) from the lower anchor (A).

2 Turn the handle (M) until the arm bracket (S) is horizontal.

(A **GO PLUS right-hand** barrier is shown)

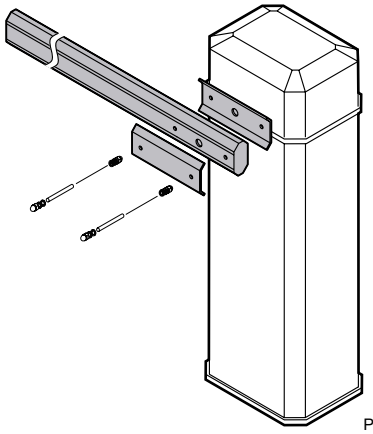
NOTE: to ensure correct locking in the barrier closed and open position, it is mandatory that the motor cam (1) and the secondary cam (2) are completely aligned.



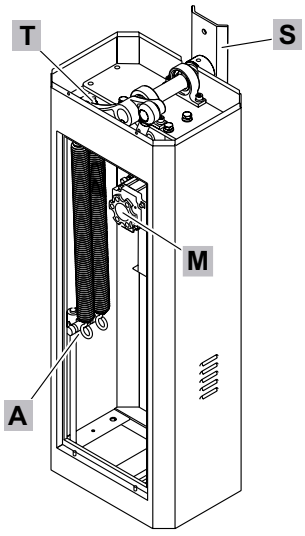
P369C

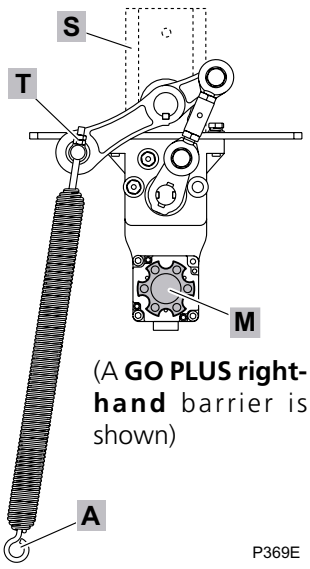
3 Turn the arm as shown in the figure.

(A **GO PLUS right-hand** barrier is shown)


P369D

Balancing the barrier





(A **GO PLUS right-hand** barrier is shown)

P369E

☞**THE BARRIER MUST BE BALANCED FOR PROPER OPERATION.**

1 Disconnect the power supply.

2 With the arm bracket (S) in vertical position, mount the spring(s) on the lower anchor (A).

3 Tighten the spring(s) using the tensioning nuts (T). If there are two springs, turn the nuts on both springs equally to ensure even tension.

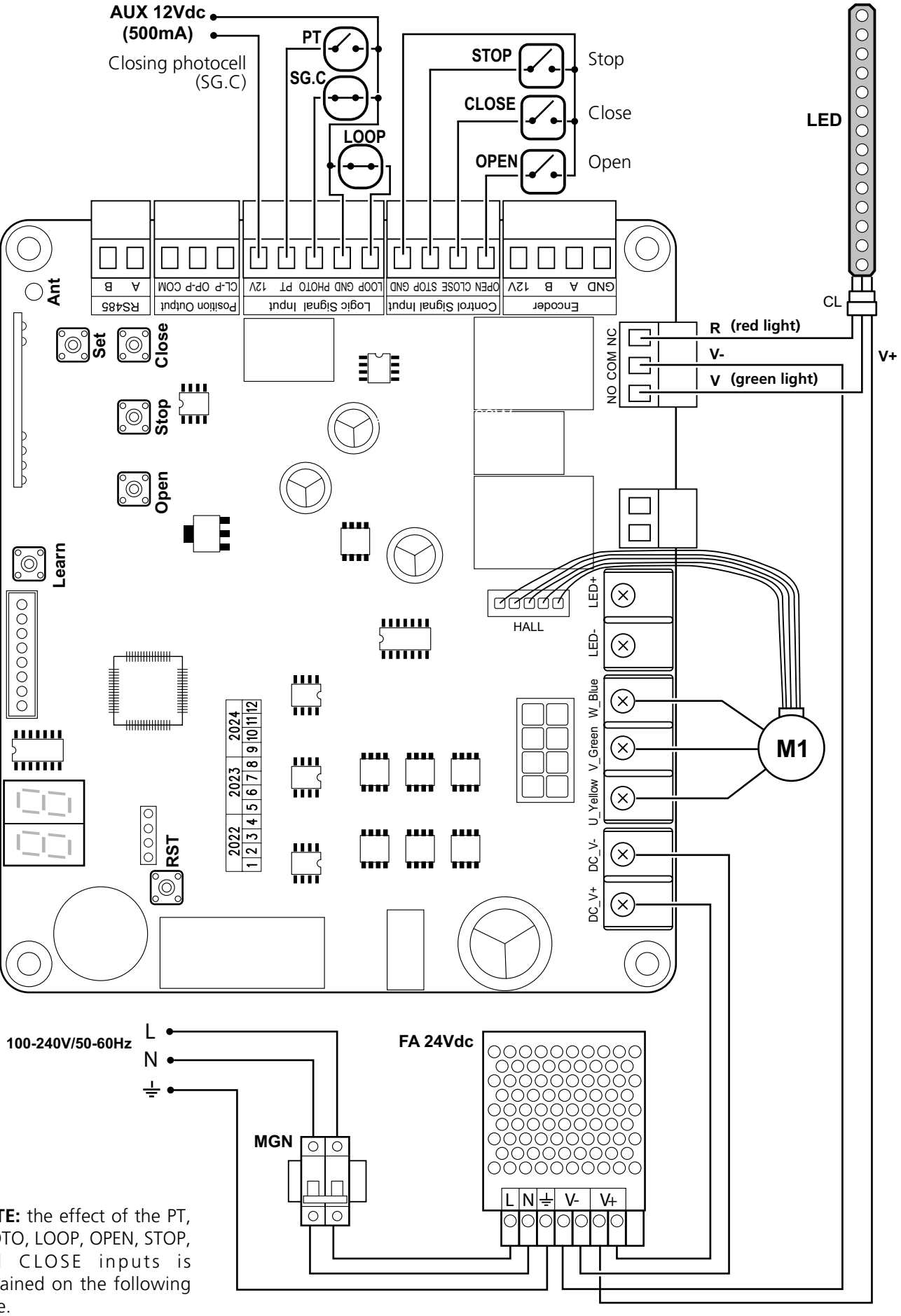
4 Using the handle (M), place the barrier in a position between 30° and 60°.
Tensioning is correct if the barrier is balanced. If the barrier lowers below 30°, further tighten the springs or use stronger ones.
If the barrier raises above 60°, loosen the springs or use weaker ones.

5 If the barrier cannot be balanced, change the spring(s). Refer to the tables for choosing the balancing spring(s).

Electrical connections

☞The M1 motor, FA 24Vdc power supply, and MGN magnetothermal breaker are supplied installed and connected.

☞If you have ordered an LED strip (LED), install it as shown in section "Installation of the LED strip" and connect it as set out in section "LED strip connections (Menu 69, Submenu U9, Option 1)".



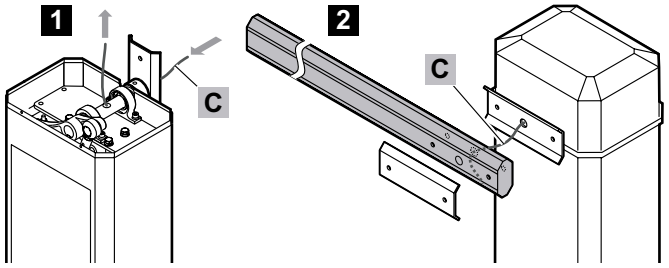
NOTE: the effect of the PT, PHOTO, LOOP, OPEN, STOP, and CLOSE inputs is explained on the following page.

P369Z

Effect of the PT, PHOTO, LOOP, OPEN, STOP, and CLOSE inputs

INPUT	ARM POSITION					
	Down (closed)	Raising (opening)	Stopped raising (in automatic mode, timing)	Up (open) (in automatic mode, timing)	Lowering (closing)	Stopped lowering (in automatic mode, timing)
PHOTO (SG.C.) Safety on Closing	No effect	Finishes opening	Closing is not allowed in semi-automatic mode. In automatic mode, the timer continues until it reaches 00, at which point it resets	Closing is not allowed in semi-automatic mode. In automatic mode, the timer continues to run and resets when it reaches 00 if it remains activated	Stops and reverses the movement until fully open. In automatic mode, it also closes	Closing is not allowed in semi-automatic mode. In automatic mode, the timer continues to run and resets when it reaches 00 if it remains activated
LOOP Safety on Closing (Immediate closing)	No effect	Finishes opening and closes immediate-ly	Opens fully and then closes	Closing is not allowed in semi-automatic mode, closing immediately when disabled. In automatic mode, it resets standby time and closes immediately when disabled	Stops, reverses the movement until opening, and closes immediately	Opens completely and closes immediately
PT Step-by-step activation	Opens	Stops In automatic mode, it also times and closes	Closes	Closes	Stops In automatic mode, it also times and closes	Opens
STOP (Stop) Operation stop	Stops while activated	Stops In automatic mode, it also times and closes	In semi-automatic mode, it stops while activated; in automatic mode, it times, stops, and resets the timer	In semi-automatic mode, it stops while activated; in automatic mode, it times, stops, and resets the timer	Stops In automatic mode, it also times and closes, and times, stops, and resets the timer while activated	In semi-automatic mode, it stops while activated; in automatic mode, it times, stops, and resets the timer
OPEN (Open) Opening activation	Opens	No effect	Opens	In semi-automatic mode, it has no effect. In automatic mode, it resets standby time	Stops and reverses until fully open	Opens
CLOSE (Close) Closing activation	No effect	No effect	Closes	Closes	No effect	Closes

Installation of the LED strip



P369M

☞ If ordered, the LED strip needs to be installed.

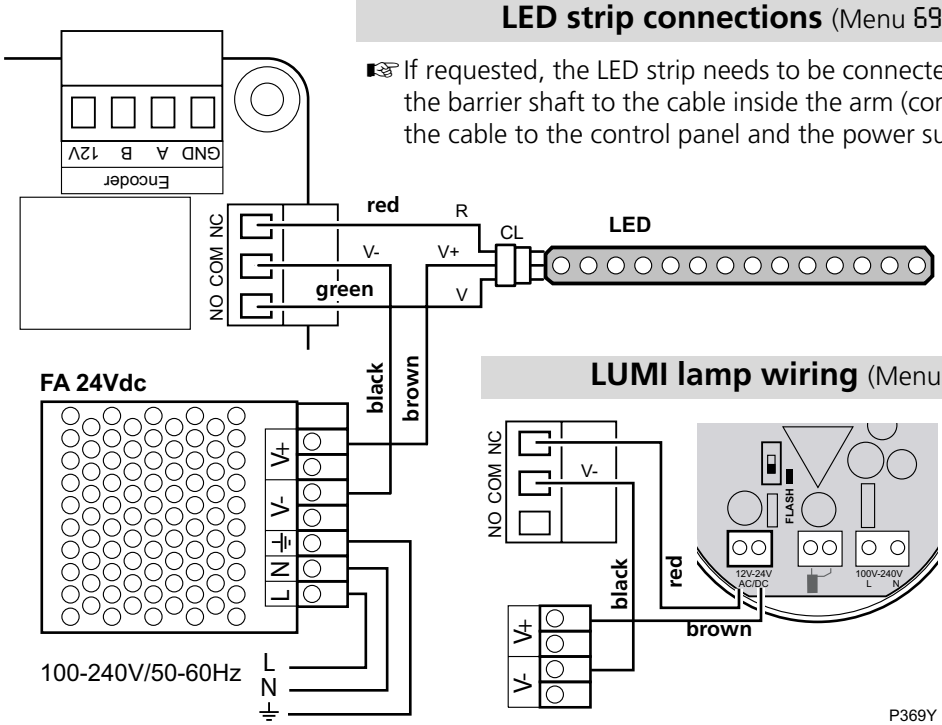
1 Insert the cable (C) for the LED strip inside the barrier shaft.

2 Pass the cable (C) inside the arm. Connect the cable (C) from the barrier shaft to the LED strip cable inside the arm.

(A **GO PLUS right-hand** barrier is shown)

LED strip connections (Menu 69, Submenu 09, Option 1)

☞ If requested, the LED strip needs to be connected. Connect the end of the cable from the barrier shaft to the cable inside the arm (connector CL). Connect the other end of the cable to the control panel and the power supply as shown in the figure.



☞ **The LED strip must be powered with 24Vdc using the FA 24Vdc power supply incorporated in the barrier.**

LUMI lamp wiring (Menu 69, Submenu 09, Option 0)

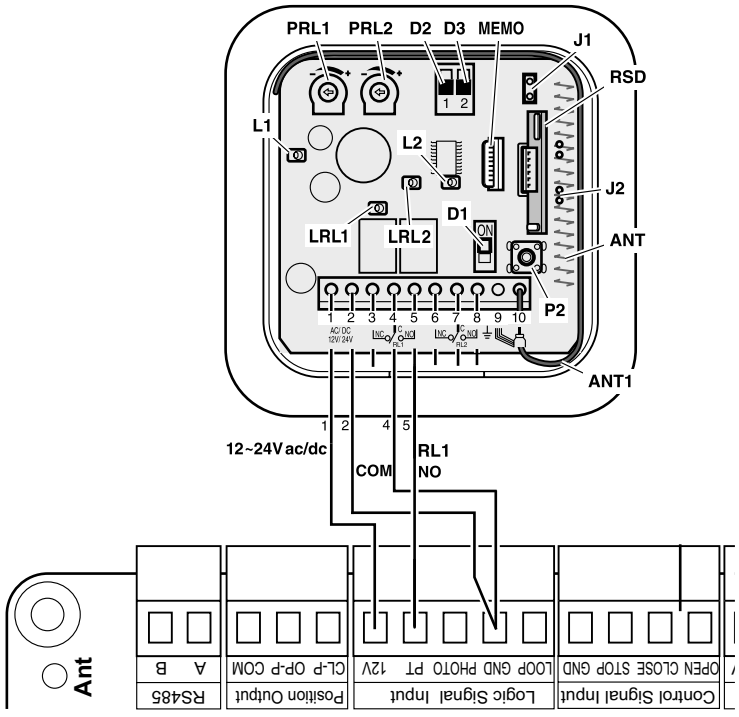
If instead of the LED strip you connect the LUMI lamp, use the 12–24V terminals of the LUMI lamp, NC-COM of the control panel and V- and V+ of the FA 24Vdc power supply integrated in the barrier.

P369Y

Installation of Radio Receiver

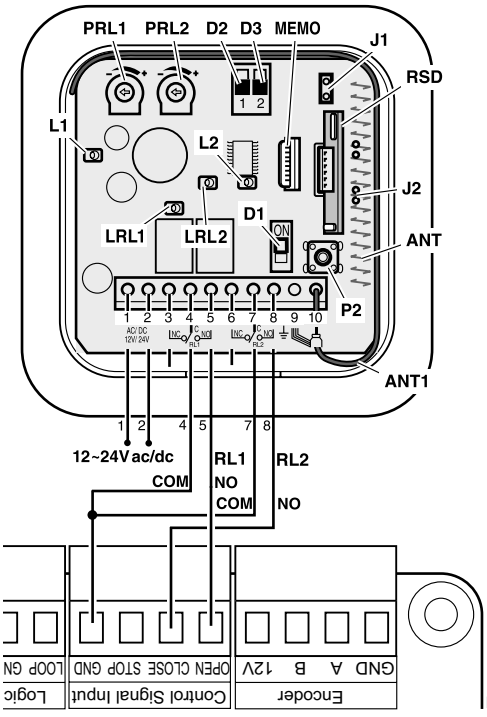
☞ An external receiver such as IRIN2S-250 is required if you wish to use radio transmitters. Refer to the instructions for the receiver you are using.

STEP-BY-STEP ACTIVATION CONNECTION



M369B

OPEN-CLOSE ACTIVATION CONNECTION



M369A

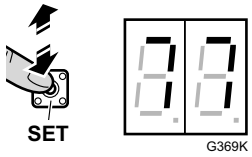
Speed regulation

☞**NOTE**: To prevent damage to the barrier, be sure to correctly adjust the opening and closing speeds based on the length of the arm (menu 79, parameters F1 and F2). The attached table sets out the appropriate values.

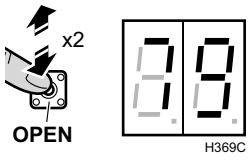
Arm length	Speed (length of operation)	F1	F2
3m	3.5s	30	30
4m	3.5s	30	30
5m	4.5s	30	18
6m	5s	22	18
8m	6s	18	15

Procedure to select speed:

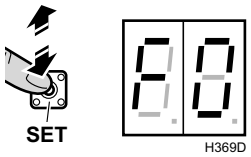
1 Briefly press SET to make the display show 77.



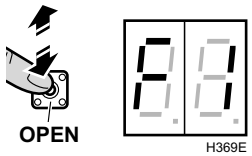
2 Briefly press OPEN twice to make the display show 79.



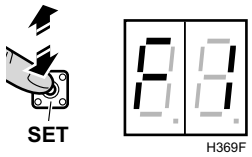
3 Briefly press SET to access the menu.



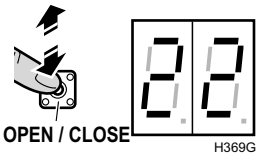
4 Briefly press OPEN to make the display show F1.



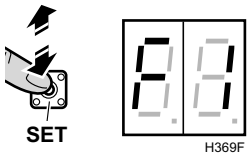
7 Briefly press SET to access the menu.



8 Press OPEN or CLOSE to select the appropriate value.



7 Briefly press SET to confirm.

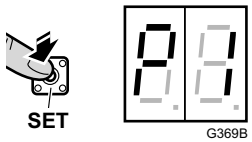


8 Press STOP to end.

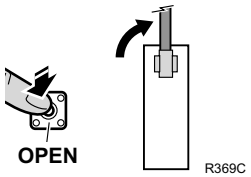
9 Proceed in the same way with F2.

Programming open/close

1 Hold down SET until the display shows P1.



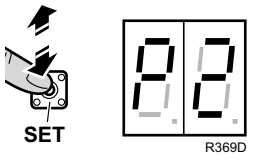
2 Hold down OPEN until the barrier is vertical.



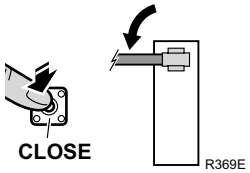
VERY IMPORTANT NOTICE

When recording the opening position (vertical barrier), do not reach the opening stop in order to avoid damage during operation.

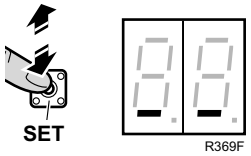
3 Press SET to programme opening position. The display shows P2.



4 Hold down CLOSE until the barrier is horizontal.



5 Press SET to programme closing position. The display shows ---.



Complete programming chart

☞ Procedure to use the programming display:

- Briefly press SET to access programming. The display will show 77.
- Press OPEN or CLOSE to move from Menu 77 to the specific menu (e.g. 79).
- Press SET to go to the specific Menu (e.g. 79).
- Press OPEN or CLOSE to navigate through the different submenus within the Menu.
- Press SET to enter a submenu.
- Press OPEN or CLOSE to navigate through the different options of each submenu.
- Press SET to accept the selected option.
- Press STOP to exit programming.

Menu	Submenu	Options	Parameter	Default option
79	F1	10 ... 30	Opening speed (the higher the number, the greater the speed)	22
	F2	10 ... 30	Closing speed (the higher the number, the greater the speed)	18
	F3	00 ... 99	Closing mode and waiting time (seconds) 00: semi-automatic mode, does not close automatically 01...99: automatic mode, closes automatically at the end of standby time	00
	F5	00 ... 33	Type of gearbox 08: GO; 09: GO PLUS Other values not in use or for future applications	08: GO 09: GO PLUS
	F7	0, 1	Motor turning direction	0
	F8	00	Open/Closed Indicator	00
		01	Voltage Indicator	
		02	Current Indicator	
		03	Speed Indicator	
		04	Hall Sensor Indicator	
		05	Open/Close Indicator	
		06	Record Saved Indicator	
69	U9	0, 1	0: warning light 1: green/red lights (traffic light)	1
67	H8	00...90	Maximum opening force	60 (60% of the possible maximum)
	H9	00...90	Maximum closing force	60 (60% of the possible maximum)

Display indications

88 (static) Barrier open
88 (static) Barrier closed
88 (static) Barrier in intermediate position
OP (static) Barrier open
CL (static) Barrier closed
10, 09, 08 Timing in Automatic Closing mode (10, 09, 08, ...)
88 (static) Barrier in Recording mode P1 (Barrier Open Position)
⇒ Each time "Open" is pressed it shows OP, and each time "Close" is pressed it shows CL
88 (Static) Barrier in Recording mode P2 (Barrier Closed Position)
⇒ Each time "Close" is pressed it shows CL, and each time "Open" is pressed it shows OP.

Error codes

Code	Meaning	Solution
E2	The motor runs continuously and exceeds the limit sensors	**1** Check the connection and wiring of the optical limits (HALL) from the motor. **2** Check the mechanism.
E3	Motor rotor locked	**1** Check the mechanism. **2** Check the motor connection.
E5	Error reading the limit sensors	Check the connection and wiring of the optical limits (HALL) from the motor.
E7	The photocell is activated	Remove the object blocking the photocell beam.