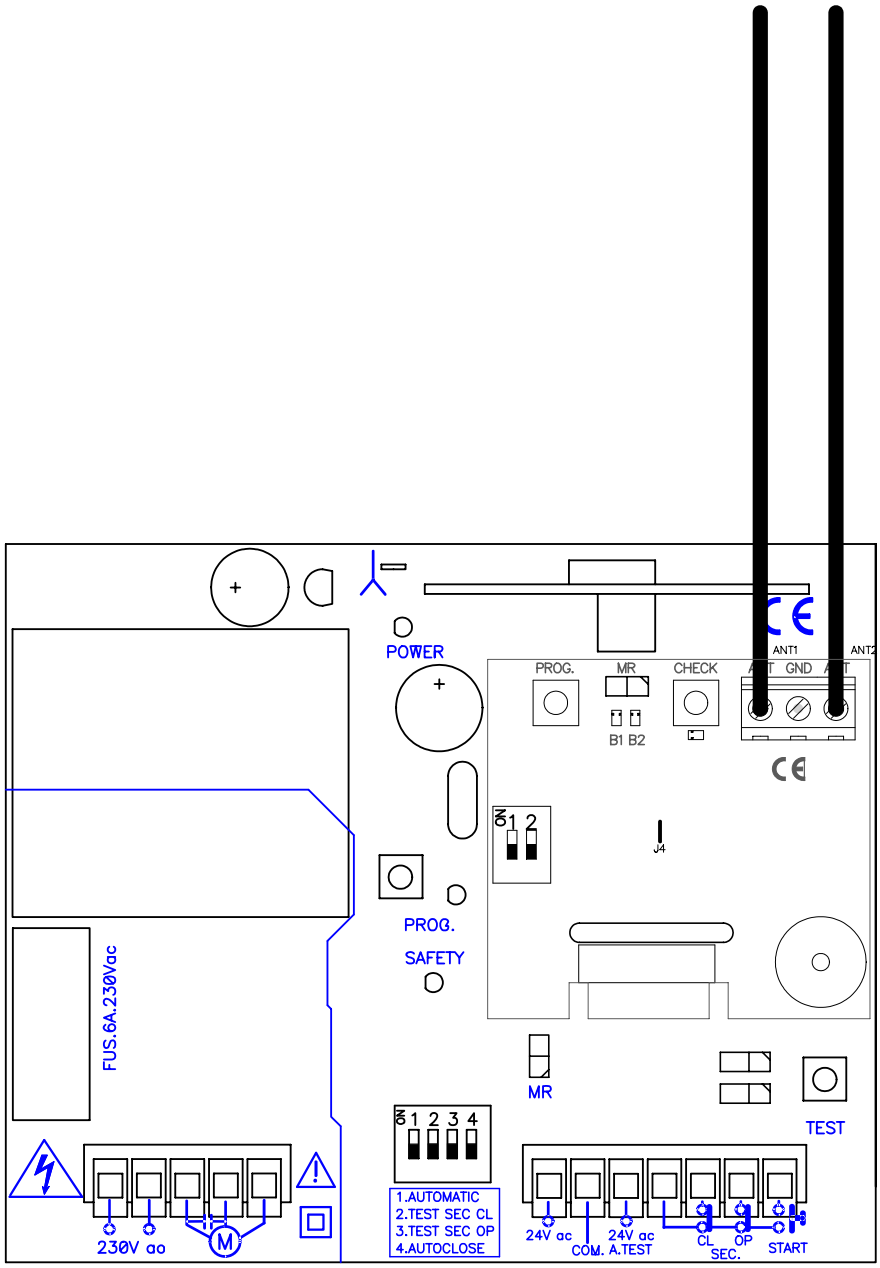
ROLLB2

GENERAL DESCRIPTION

Control panel with built-in receiver and Radioband system for axis centre motors and automatisms for roller doors and shutters. For three types of operations: automatic operations, semi-automatic operations and “dead man" operations (with radio buttons). Allows for 15 transmitters to be memorised.
It is fitted with one inlet for the start/stop button and one for the two security edges and an output for photocell supply and one for autotesting.
Programming the independent opening and closing times.



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

ROLLB2

Lower terminals

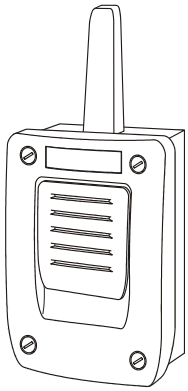
1- Power supply 230Vac
2- Power supply 230Vac
3- Motor (N)
4- Motor (N)
5- Motor (common)
6- 24Vac outlet
7- 24Vac common outlet
8- 24Vac autotest outlet
9- Common start/stop and security contacts
10- Security close contact
11- Security open contact
12- Start/stop button

CHARACTERISTICS

	Receiver characteristics
Frequency	868.35MHz
Coding	High security changing code
Memory	15 codes
	Panel characteristics
Power	230Vac ± 10 %
Maximum motor power	0.75CV
Standby/Op. consumption	23mA / 42mA
Motor fuse	6A
Inputs	Start/stop and security contacts
Outputs for photocells	24Vac / 100mA
Handling time	1 second - 2 minutes (45 seconds by default)
Op. temperature	-20 ºC to + 85 ºC
Airtightness	IP54 (with IP65 packing seal)
Box dimensions	140 x 220 x 55 mm
	RadioBand 2G characteristics
Frequency	Multifrequency system (433 MHz, 868 MHz)
Memory	6 RADIOBAND 2G Transmitters
Range (guaranteed)	10 metres

INSTALLATION AND CONNECTIONS

Fit the rear of the box to the wall using the rawlplugs and screws supplied. Pass the cables through the bottom of the equipment. Connect the power supply cables to the terminals on the printed circuit, following the indications engraved on the board. Fit the front of the equipment to the rear using the screws supplied.



IMPORTANT CONSIDERATIONS FOR START-UP
If the door does not open when the button is first pushed, invert the motor cables.

OPERATIONS

CONTROL PANEL OPERATIONS

Power: When the panel is switched on, the green pilot light indicates the correct power supply to the equipment.
This control panel does not allow inversion during the opening movement and therefore it will require the full opening operation to close the door.

Start (START): Contact normally open to open and close. The first press opens, the second press stops and the third closes (if the end of the opening time is complete).

Security contact (SEC.CL. / SEC.OP.): Contact normally closed, photocell or magnetic detector type. This acts on opening, causing stoppage and inversion of 2s, and closing, causing stoppage and inversion. Where not used, bridge the terminals.

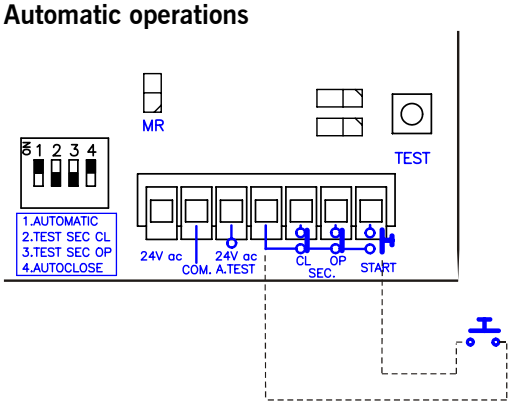
Auto-test outlet (TEST SEC.): 24 Vac outlet for auto-test of security parts.

24 Vac outlet: To power any equipment at a voltage of 24 Vac with a maximum consumption of 100 mA.

RBAND/CSM: On opening it causes stoppage and inversion of 2 s and on closure causes stoppage and complete movement inversion.

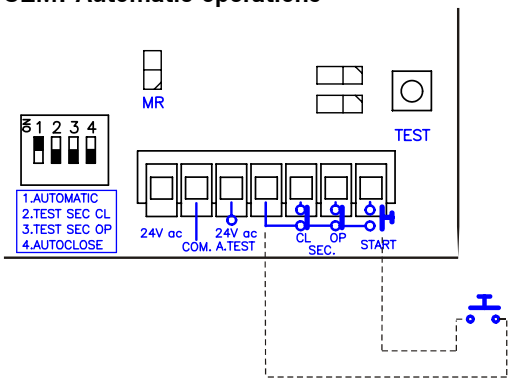
1) AUTOMATIC OPERATIONS (OPTION 4 AUTOCLOSE ON) / SEMI-AUTOMATIC OPERATIONS (OPTION 4 AUTOCLOSE OFF)
Using buttons, radio transmitters or radio buttons
Turn option 1 on the option switch to ON.
Connect a NO start/stop button on the terminals marked START. This button carries out two functions: start and stop. The motor starts when the button is pressed for the first time. It stops when pressed for the second time and it closes when pressed for the third time if the end of the opening time is complete. If not, it continues to open.
functions: start and stop.

Automatic operations



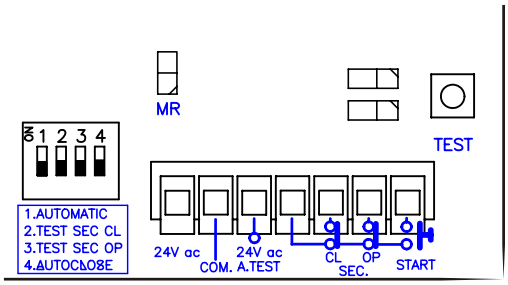
ROLLB2

SEMI-Automatic operations



2) DEAD-MAN OPERATIONS (default option)
Turn option 1 on the option switch to OFF.

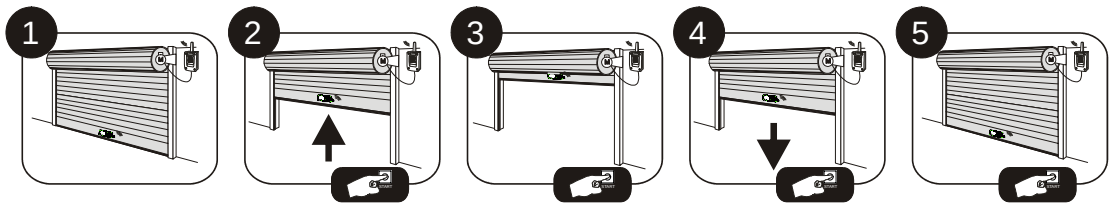
By radio
Radio dead-man operations are only possible using the radio button or the radio key switch, previously programmed on the equipment. It is not possible with transmitters.



Using pushbuttons
Connect a NO start/stop button on the terminals marked START. The START button serves as the Open button and the TEST button on the board serves as the Close button. It is useful during the installation of the equipment.

N.B: In automatic or semi-automatic mode, dead-man operations can be forced using the TEST, START and/or radio buttons. During this operating mode, the panel will take no enabled securities into account. It is useful in case of breakdowns in safety elements.

TIME PROGRAMMING
The door must be completely closed before starting time programming.
Press the PROG/RESET button for 1 second to enter programming. The red PROG pilot light will come on and the equipment will emit an acoustic signal.
Use the START or TEST button to programme the run.
The first time START is pressed, it opens. The second time it is pressed, it stops. The third time it is pressed, it closes. The fourth time it is pressed, it stops and programming is exited (the red pilot light goes out). The opening and closing time will now have been programmed.



OPTION SWITCH

	ON position	OFF position (default position)
1- AUTOMATIC	Automatic operation: opens, stops, closes.	Dead-man operation
2- TEST SEC CL	This carries out the autotest for the security close contact	No autotest carried out
3- TEST SEC OP	This carries out the autotest for the security open contact	No autotest carried out
4- AUTOCLOSE	Automatic closure	Does not close automatically

LIGHT INDICATORS

POWER	Indicates power
PROG	Indicates programming
SAFETY	On indicates failure of safety or RadioBand 2G element autotest
	Flashing indicates security edge inhibiting

SAFETY EDGE INHIBITION

The panel includes a function that automatically inhibits the safety edge for the last 4cm of the run.

RECEIVER OPERATIONS

Upon receiving a code, the equipment checks whether it is in its memory, activating the corresponding relay.

Manual programming

1) Normal programming

Press the programming button for 1 sec. The programming pilot light will come on and the equipment will emit an acoustic signal. The equipment will enter normal programming. Send the code and the channel to be programmed by pressing the transmitter.
By pressing the transmitter channel, opening and closure is activated in automatic operating mode.

2) Open/close programming

In normal programming, press the programming button again and keep it pressed down until the red pilot light flashes and the equipment emits a short acoustic signal. The equipment will now have entered open/close programming. Press the required channel of the transmitter to be programmed. The first channel opens and the second closes (3rd channel opens and 4th channel closes).

Every time a transmitter is programmed, the equipment will issue an acoustic signal for 0.5 sec. After 10 seconds without programming or by pressing the programming button, the equipment will exit programming mode, issuing two 1 sec. acoustic signals. If, on programming a transmitter, the equipment memory is full, it will issue seven 0.5 sec. acoustic signals and exit programming.

N.B.: Each transmitter channel can be configured independently on the equipment, occupying only one memory position.

Programming by radio

To enter programming, press the first two buttons on a transmitter that has already been registered on the equipment. The equipment will issue a 1 sec. acoustic signal. On pressing any button on the new transmitter, the equipment will issue another 1 sec. acoustic signal to indicate that it has been memorised. The new transmitter will maintain the same channel configuration as the transmitter registered.

After 10 seconds without programming or by quickly pressing the programming button or pressing the first two transmitter buttons, the equipment will exit programming mode, issuing two 1 sec. acoustic signals.

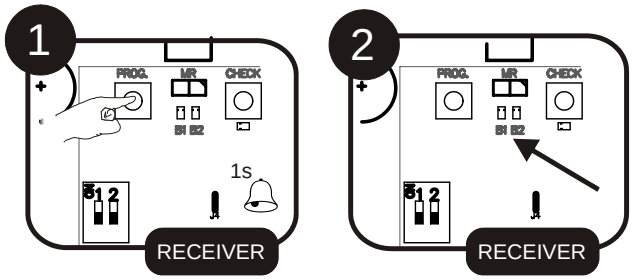
CODE CANCELLATION (TOTAL RESET)

In programming mode, the programming button is held down and the "MR" reset jumper is bridged for 3 secs. The equipment will issue 10 short acoustic warning signals followed by others at a faster pace to indicate that the operation has been successful. The equipment is now in programming mode. The pilot programming light will also follow the acoustic indications by flashing.
After 10 seconds without programming or quickly pressing the programming button, the equipment will exit programming mode, issuing two 1 sec. acoustic signals.

RADIOBAND/CSM OPERATIONS

See RBAND/CSM system instructions.

PROGRAMMING



B1	Safety Edge on Closing
B2	Safety Edge on Opening

EQUIPMENT USE

Designed for the automation of garage doors as per the general description. Not guaranteed for other uses.
The manufacturer reserves the right to modify equipment specifications without prior notice.

IMPORTANT SAFETY INSTRUCTIONS FOR INSTALLATION

Disconnect the power supply whenever you proceed to the installation or repair of the control panel.

· Disconnect the power supply before handing the equipment.
· Before installing the panel, remove all unnecessary ropes or chains and disable any equipment such as locks that is not necessary for the automatic operation.
· Before installing the panel, check that the door is in good mechanical condition, correctly balanced and that it opens and closes correctly.
· Install the manual unlocking device at a height lower than 1.8m.
· Install any permanent control next to the door away from any moving part and at a minimum height of 1.5m.
· An easily accessible disconnection device must be fitted to the wiring for permanently connected equipment. It is wise for this to be an emergency switch.
· When the equipment is switched on for the first time, check that the first time the start button is pressed causes the opening movement (and not closure).
· For correct use of the security edge, this must never be activated when the door is fully closed. It is wise to install the ends of run before activating the edge.

COD. 1248031-GB / 1.1

ROLLB2

· This equipment can only be handled by a specialist fitter, by maintenance staff or by a suitably trained operator.
· To connect the power supply and motor wiring, 3.8 mm^2 section terminals must be used.
· Use protective goggles when handling the equipment. <0}
· Fuses must only be handled when the appliance is disconnected from the mains.
· The instructions for using this equipment must remain in the possession of the user.
· European door normative EN 12453 and EN 12445 specify the following minimum protection and door safety levels:
- for equipment for residential, commercial and light industry use, prevent the door being able to come into contact with any object or limit the contact force (e.g. security edge).

IMPORTANT SAFETY INSTRUCTIONS FOR USE

· Do not allow children to play with the door controls.
· Keep the remote controls out of the reach of children.
· Watch the door movement and keep people away until the door is fully open or closed.
· Precaution when operating the manual unlocking device, as the door may suddenly fall due to the bad condition of the springs or door unbalance. Details on how to use the manual unlocking device must be provided by the manufacturer or the device installer.
· Examine the installation frequently, especially the cables, springs and supports, to detect signs of wear, damage or unbalance. Do not use the door if repair work or adjustments are required, as this may cause damage.