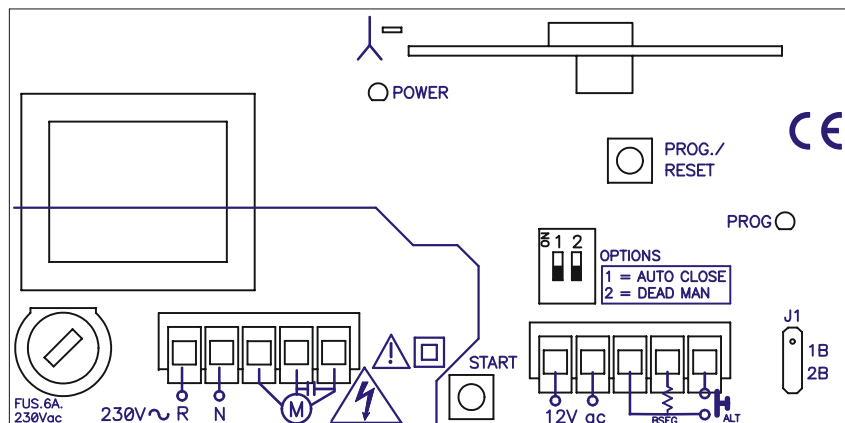


## ROLLER 868

Control panel with built-in receiver for axis centre motors and operators for roller doors and shutters. It enables the memorising of 15 radio transmitters using the programming button.

### CHARACTERISTICS

<b>Receiver characteristics</b>	
Frequency	868,35MHz
Coding	High safety changing code
Memory	15 codes
<b>Panel characteristics</b>	
Supply	230V AC $\pm$ 10% / 115Vac $\pm$ 10%
Maximum motor power	0,75CV
Standby/Op. consumption	23mA / 42mA (without photocells)
Motor fuse	6A
Inputs	Start and safety edges
Photocell power supply output	12Vac (max 130mA)
Handling time	1 second - 2 minutes (45 seconds by default)
Op. temperature	-20°C to +85°C
Watertightness	IP54 (with IP65 packing seal)
Box dimensions	140x220x55mm



1 2 3 4 5

6 7 8 9 10

### CONNECTIONS

- 1 Power supply 230V ac
- 2 Power supply 230V ac
- 3 Common motor
- 4 Motor (N)
- 5 Motor (N)
- 6 Photocell power supply output 12Vac
- 7 Photocell power supply output 12Vac
- 8 Common buttons
- 9 Safety edge resistive contact 8k2 (until 2 in parallel)
- 10 Start button (NA)

## ROLLER 868

### INSTALLATION

Fit the rear of the box to the wall using the raw plugs 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.



### OPERATING

#### CONTROL PANEL OPERATIONS

**Power supply:** The green pilot light indicates the correct power supply to the equipment.

#### OPTIONS SELECTOR

	OFF position (default option)	ON position
1 = AUTO CLOSE	Semi-automatic operating = it does not closes automatically	Automatic operating = it closes automatically
2 = DEAD MAN	Semi-automatic operating or automatic depending on 1 selector	Dead man operating

#### PUSHBUTTONS

START	Black	It carries out the same function as a NC button in ALT terminals
PROG./RESET	Red	It carries out two functions: time programming and transmitter programming

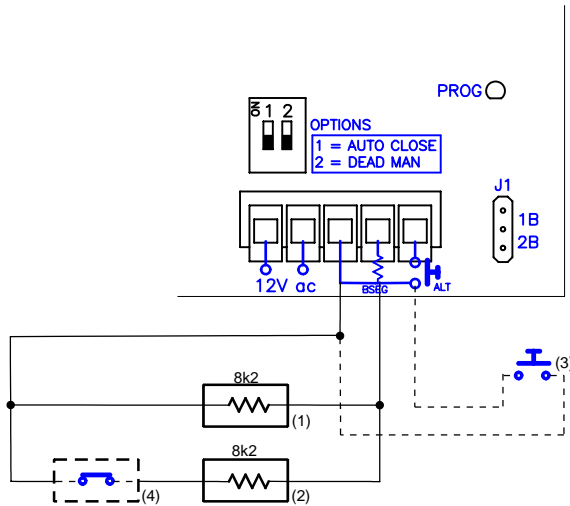
#### A) SEMI-AUTOMATIC / AUTOMATIC OPERATING

The Start button carries out the following function. When the button is pressed for the first time, the motor starts, when pressed for the second time (if it has not reached the limit switch) it stops, and it closes automatically or it waits for the third time to close. **Automatic closure will only be carried out if the entire opening movement has been completed and option switch 1 is turned to ON.**

## ROLLER 868

### Possible connections:

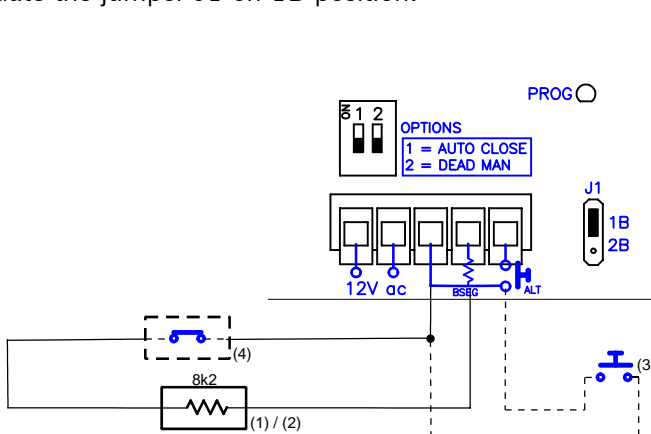
**A1) Connection of two safety edge in parallel (open and close):** This acts on opening and closing, causing stoppage and 1 second inversion. The connection of a start button is optional. J1 in OFF.



- (1) - Safety edge in opening
- (2) - Safety edge in closing
- (3) - NO pushbutton
- (4) - NC security contact
- (Optional)

A security device (photocells, normally closed contact) can be connected in series with the safety edge. The activation of this security device causes a stoppage and a total reversion of the door.

**A2) Connection of a safety edge (open or close):** This acts on opening and closing, causing stoppage and 1 second inversion. The connection of a start button is optional. Situate the jumper J1 on 1B position.

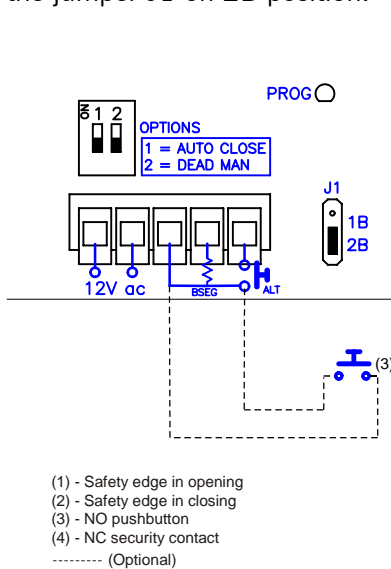


- (1) - Safety edge in opening
- (2) - Safety edge in closing
- (3) - NO pushbutton
- (4) - NC security contact
- (Optional)

## ROLLER 868

A security device (photocells, normally closed contact) can be connected in series with the safety edge. The activation of this security device causes a stoppage and a total reversion of the door.

**A3) Connection without safety edges:** The connection of a start button is optional. Situate the jumper J1 on 2B position.

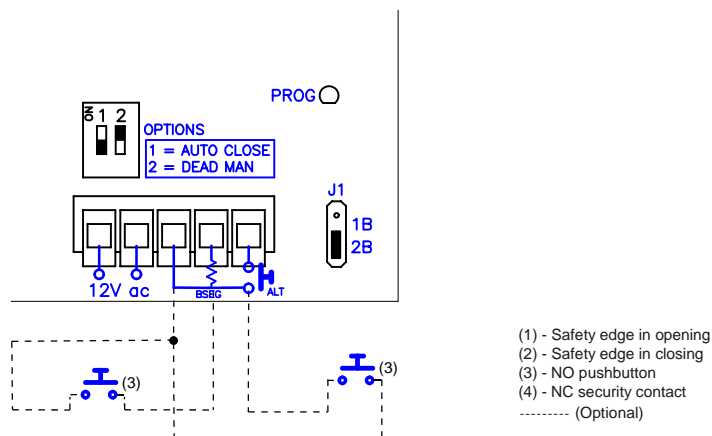


## B) DEAD MAN OPERATING

### Possible connections:

#### B1) Open/close dead man operating:

Optionally two pushbuttons could be connected. One on the ALT terminal that will operate as a dead man button in opening, and the other on the BSEG terminal that will operate as a dead man button in closing. The J1 jumper must be situated on 2B (operating without safety edges).

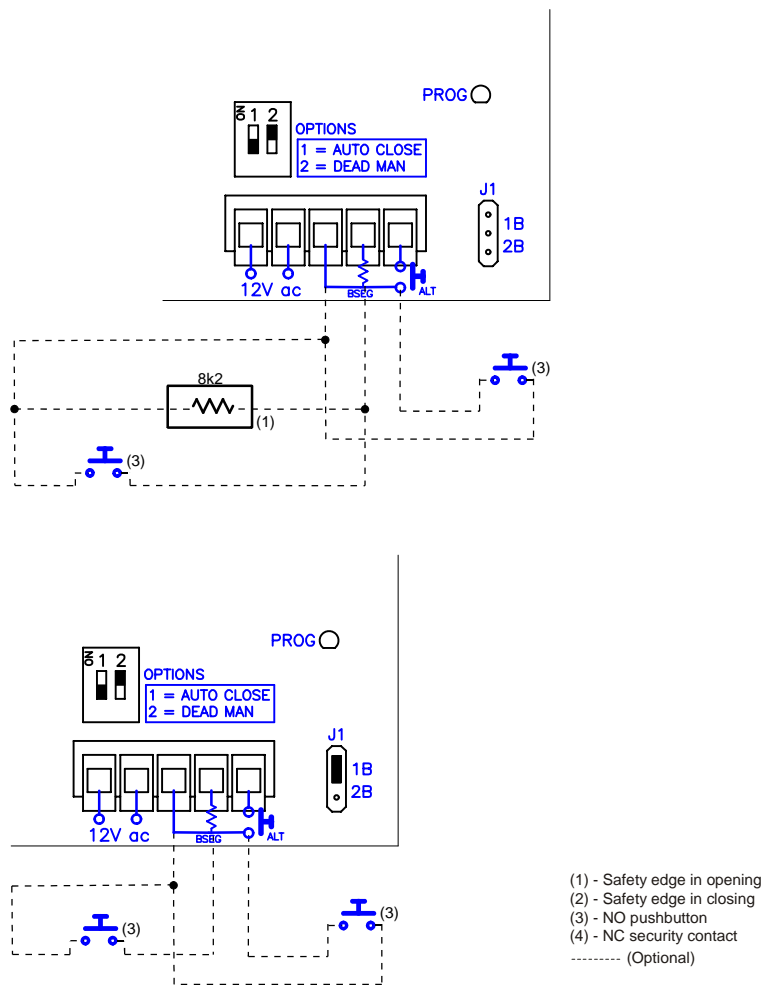


## ROLLER 868

### **B2) Semi-automatic operating in opening and dead man operating in closing:**

Optionally two pushbuttons could be connected. One on the ALT terminal that will operate as an opening/stop button in opening, and the other on the BSEG terminal that will operate as a dead man button in closing.

In case of using a safety edge in opening, it is necessary to remove the J1 jumper. If safety edges are not used, situate the J1 jumper on 1B.



To operate in dead man by radio is possible with the wireless devices for dead man operation.

### **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 ALT/START button to programme the run.

## **ROLLER 868**

The first time ALT/START is pressed, the door opens and begins to memorise the handling time. The second time it is pressed, it stops, ends to memorise the handling time and begins to temporise the waiting time for autoclosing. The third time it is pressed, ends to temporise waiting time for autoclosing, closes and programming is exited (the red pilot light goes out).

### **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 step-by-step operating mode.

##### **2) Open/close programming**

Press the programming button 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).

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

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, or by pressing the first two buttons of a transmitter (depending on the programming mode), 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.

#### **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.

## ROLLER 868

### CODE CANCELLATION

#### **TOTAL RESET**

In programming mode, the programming button is held down for over 10 sec. 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.

#### **USE OF THE RECEIVER-PANEL**

This receiver-panel is designed for use as a remote control for garage doors.

Its use is not guaranteed for directly activating any other equipment different to that specified.

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 handling 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 safety 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.
- 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<sup>2</sup> section terminals must be used.
- **Use protective goggles when handling the equipment.**
- 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 from being able to come into contact with any object or limit the contact force (e.g. safety edge).

## **ROLLER 868**

### **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.

Hereby, **JCM TECHNOLOGIES, S.A.**, declares that this ROLLER 868 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

### **CE DECLARATION OF CONFORMITY**

See website [www.jcm-tech.com](http://www.jcm-tech.com)