## Important safety instructions for installation

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

· **The panel must be installed while the power is disconnected.**
· 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.
· For permanently connected equipment, an easily accessible power disconnection device must be incorporated into the wiring. It is recommended that this be of the emergency switch type.
· If the control panel is supplied without emergency stop button, this will be incorporated in the installation, connecting it to the STOP terminal.
· 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.
· 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, 2.5 mm$^2$ 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 single-family dwellings, prevent the door from making contact with any object or limit the force of contact (e.g. safety band), and in the case of automatic closing, it is necessary to complement this with a presence detector (e.g. photocell).
   - for communal and public installations, prevent the door from making contact with any object or limit the force of contact (e.g. safety band), and complement this with a presence detector (e.g. Photocell).

## 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.
·

## Use of the equipment
Designed for automation of garage doors, in accordance with the general description. Not guaranteed for other uses. The manufacturer reserves the right to alter equipment specifications without prior notification.
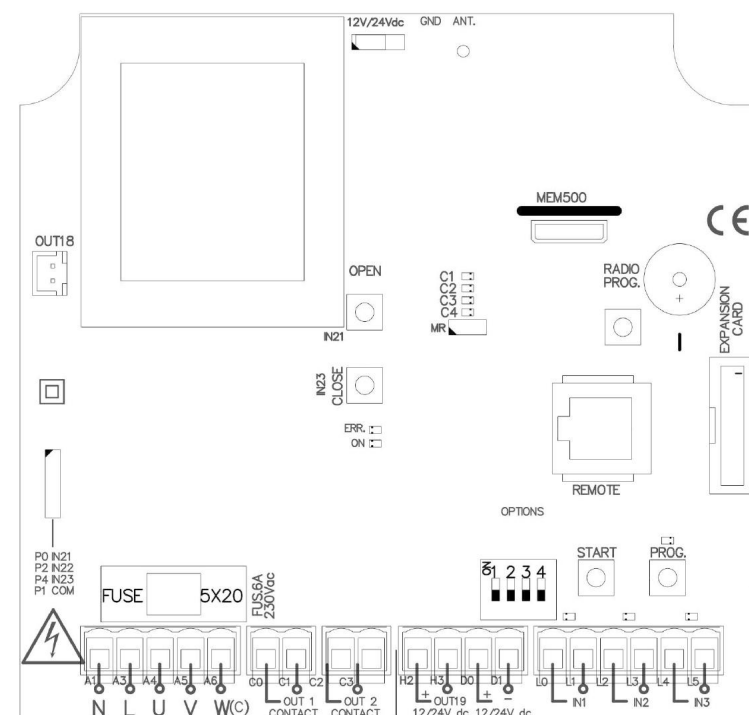
## EU Declaration of conformity
JCM TECHNOLOGIES, SA hereby declares that the product M8 complies with the requirements of the Machine Directive 2006/42/EC as well as with the Directives 2014/30/EU on electromagnetic compatibility and 2014/35/EU regarding low voltage whenever its usage is foreseen; and with the 2011/65/EU RoHS Directive.
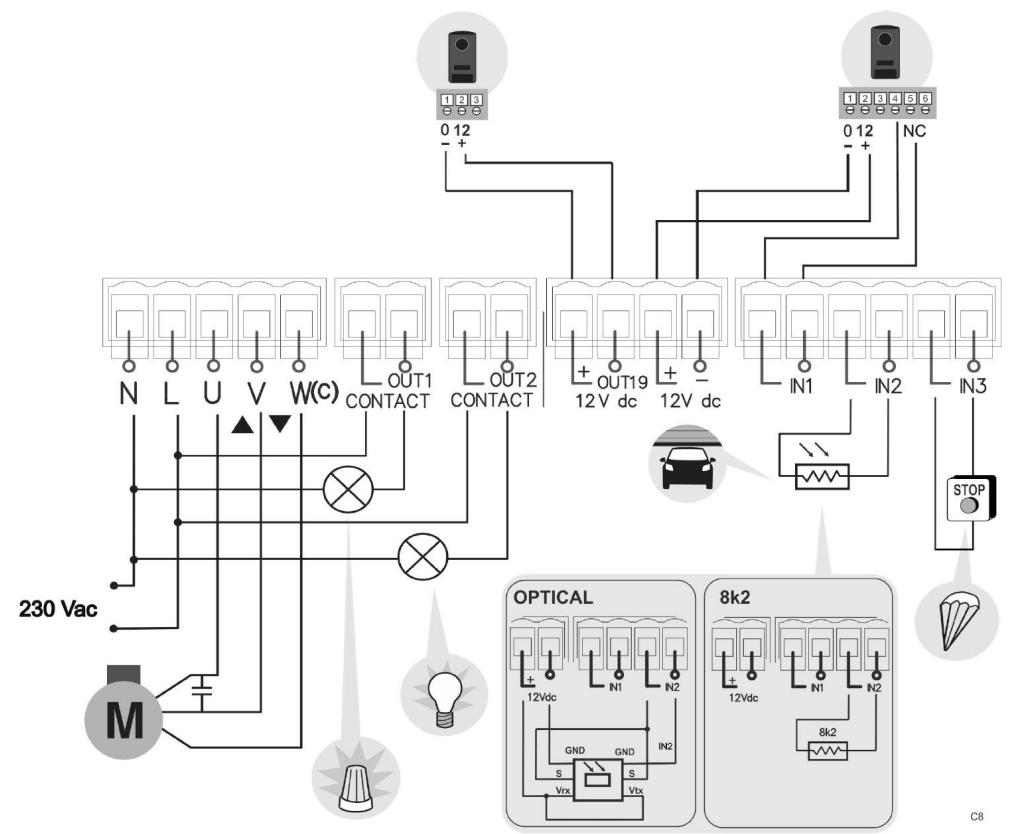
See website: www.jcm-tech.com/declarations

CE ☒

# M8
## User Manual

### ◉ Technical Data

| | |
|---|---|
| Frequency | 868,35MHz |
| Codification | High security rolling code |
| Memory | 27 codes (expandible to 500 codes with memory card) |
| Power supply | 230Vac +/-10% |
| Maximum motor power | 750W / 1200W (intensive use / residential use) |
| Standby / operating consomption | 23mA / 43mA |
| Motor fuse | 6A |
| Optional cards | V-XPAN + MEM 500 + TL-CARD-V + RSEC/R |
| Free voltage output | 2 outputs |
| 12Vdc/24Vdc output (selectable by jumper) | 1 fixe + 1 configurable (200mA) |
| Maneuver time | 1 second - 6 minutes |
| Operating temperature | -20ºC to +85ºC |
| Watertightness | IP32 |
| Box size | 180 x 152 x 88 mm |

OPTICAL

8k2

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## Installation with support

| UNSCREW | EXTRACT SUPPORT | DRILL WALL | HANG CONTROL PANEL |
|---|---|---|---|

Ø4

| SCREW |
|---|
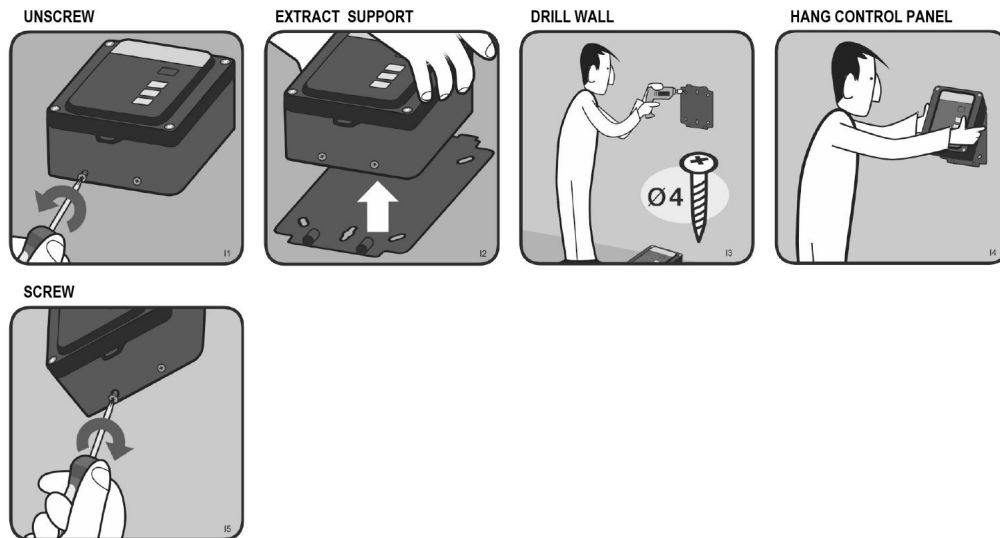
## Installation Without support

| UNSCREW | OPEN TOP | DRILL WALL |
|---|---|---|

Ø4

## Door Positioning

| DOOR OPENED | PRESS CLOSE | DOOR CLOSES IN DM | DOOR CLOSED |
|---|---|---|---|

CLOSE

STOP
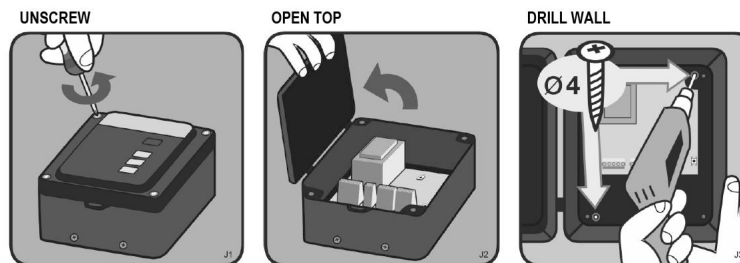
### Radio Manual Programming

| OPEN TOP | PRESS RPROG PUSHBUTTON | LED C1 TURNS ON | PRESS TRANSMITTER |
|---|---|---|---|

RADIO PROG

C1 C2 C3 C4

| PRESS RPROG PUSHBUTTON | LED TURNS OFF |
|---|---|

RADIO PROG
C1 C2 C3 C4
END

### Total Reset

| OPEN TOP | PRESS AND HOLD RPROG | BRIDGE MR | SEVERAL BEEPS |
|---|---|---|---|

RADIO PROG — C1 — MR

| END RESET | PRESS RPROG PUSHBUTTON | LED TURNS OFF |
|---|---|---|

RADIO PROG
C1 C2 C3 C4
END

### Programming

| DOOR CLOSED | PRESS PROG PUSHBUTTON | LED TURNS ON | PRESS START PUSHBUTTON |
|---|---|---|---|

PROG — START

| DOOR OPENS 2 SECONDS | DOOR CLOSES | DOOR STOPS | DOOR OPENED |
|---|---|---|---|

2s — AUTO — STOP — AUTO

| DOOR STOPS | AUTOCLOSE TIME | PRESS START PUSHBUTTON | DOOR CLOSES |
|---|---|---|---|

STOP — START

| DOOR STOPS | LED TURNS OFF | END PROGRAMMATON |
|---|---|---|

STOP — END