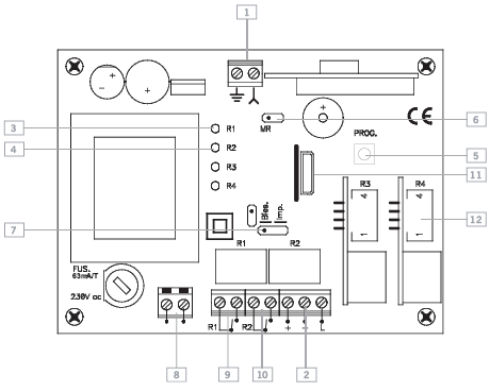
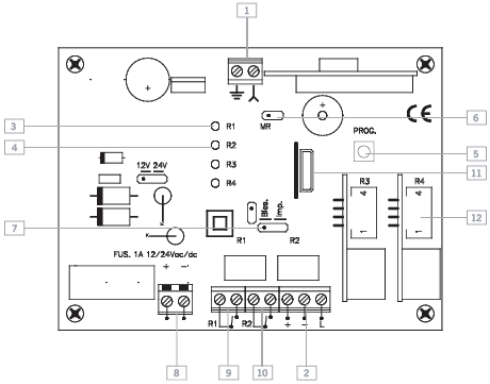
COD. 1248003 / 1.1

WAVE500



WAVE500-B



1 Conexión antena
Connexion antenne
Antenna connection
Anschluß Antenne

2 BUS-L (+, -, L)
BUS-L (+, -, L)
BUS-L (+, -, L)
BUS-L (+, -, L)

3 Led activación canal 1
Led d'activation canal 1
Channel 1 operation led
Kanal 1 Aktivierungs-LED

4 Led activación canal 2
Led d'activation canal 2
Channel 2 operation led
Kanal 2 Aktivierungs-LED

5 Pulsador programación
Bouton programmation
Programming pushbutton
Programmierungstaste

6 Puente reset
Pont de reset
Jumper reset
Jumper reset

7 Microswicht Imp/Biestable
Microinterrupteur Imp/Bistable
Microswicht Imp/Bies
Microswicht Imp/Bies

8 Alimentación
Alimentation
Power supply
Stromzufuhr

9 Salida de relé 1
Sortie relais 1
Relay 1 output
Relais 1

10 Salida de relé 2
Sortie relais 2
Relay 2 output
Relais 2

11 Conexión tarjeta memoria
Connexion carte de mémoire
Memory card connection
Anschluß Speicherkarte

12 Conexión TRO
Connexion TRO
TRO connection
Anschluß für TRO

TECHNICAL CHARACTERISTICS

	WAVE500	**WAVE500-B**
Frequency	868,35MHz	868,35MHz
Coding	High security rolling code	High security rolling code
Memory	500 codes	500 codes
Number of relays	1/2 relays (expandable up to 4)	1/2 relays (expandable up to 4)
Supply	230V ac	12/24V ac/dc
Power supply range	+/- 10%	9-23 / 22-35V dc 8-16 / 16-27V ac
Relay contacts	1A	1A
Standby/Op. consumption	35mA / 50mA	60mA / 350mA
Access control output (3 readers max. without external power supply)	BUS-L	BUS-L
Op. temperature	-20ºC to +85ºC	-20ºC to +85ºC
Watertightness	IP54 (with glands IP65)	IP54 (with glands IP65)
Size	115x85x40mm	115x85x40mm
Box dimensions	140x220x55mm	140x220x55mm

INSTALLATION AND CONNECTIONS

Attach the rear part of the housing to the wall using the plugs and screws supplied. Pass the cables through the bottom of the receiver. Connect the power cables to the terminals marked in the mother board, as indicated. Fix the receiver front to the rear part using the screws supplied.

OPERATING

The pilot lights are activated every 5 seconds to indicate the correct supply of power to the equipment.

Upon receiving a code, the receiver checks whether it is in its memory, activating the corresponding relay. The relay activation mode is selected in either impulse or ON/OFF using the Imp/Bies jumper (only with the relay 2).

PROGRAMMING

MANUAL PROGRAMMING

Press the receiver programming button for 1 sec. and an acoustic signal will be heard. The receiver will enter standard programming (see table). If the receiver programming button is held pressed down, the receiver will enter special programming, cyclically passing from one configuration to the next. Once the programming configuration for the transmitter to be registered has been chosen, send the code to be programmed by pressing the transmitter. Every time a transmitter is programmed, the receiver will issue an acoustic signal for 0.5 sec. After 10 seconds without programming or pressing the first two transmitter buttons, the receiver will exit programming mode, issuing two acoustic signals of 1 sec. If upon programming a transmitter the receiver memory is full, it will issue 7 acoustic signals of 0.5 sec. and exit programming.

Configuration of transmitter programming in the receiver.	**Led R1**	**Led R2**
Standard Programming (default option, the receiver is always configured on pluri-channel)		
The relays are activated 1st relay by channel 1 and 2nd relay by channel 2 (3rd relay by channel 1 and 4th relay by channel 2)	Flashing	Flashing
Special programming		
By pressing any transmitter channel, relay 1 on the receiver will be activated	ON	OFF
By pressing any transmitter channel, relay 2 on the receiver will be activated	OFF	ON
By pressing any transmitter channel, the two relays will be activated at the same time*	ON	ON

** If working in ON/OFF activation mode, relay 1 will act as impulse and relay 2 as ON/OFF. Therefore, on the first press relay 1 will close and open the contact and relay 2 will only close. On the second, relay 1 will close and open* the contact and relay 2 will open.

N.B.: Each transmitter can be configured independently on the receiver.

TOTAL RESET

In programming mode, the programming button is held down and the "MR" reset jumper is bridged for 3 secs. The receiver will issue 10 short acoustic warning signals followed by others at a faster pace to indicate that the operation has been successful. The receiver is now in programming mode.

After 10 seconds without programming or quickly pressing the programming button, the receiver will exit programming mode, issuing two acoustic signals of 1 sec.

For more information please see our web site www.motion-line.com

USE OF THE RECEIVER

These receivers are designed for use as remote controls for garage doors. Their 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 ANNEX

Disconnect the power supply before handing the unit.

In compliance with the European Directive low-voltage electrical equipment, we hereby inform users of the following requirements:

· For units which are permanently connected, an easily accessible circuit-breaker device must be built into the wiring system.

· This unit must always be installed in a vertical position and firmly fixed to the structure of the building.

· This unit must only be handled by a specialised installer, by his maintenance staff or by a duly trained operator.

· The instruction manual for this unit must always remain in the possession of the user.

· Terminals of maximum section 3,8mm2 must be used for the power supply connections.

· Use time delayed fuses.

JCM TECHNOLOGIES, S.A. declares herewith that the product WAVE500, WAVE500-B complies with the relevant fundamental requirements as per Article 3 of the R&TTE Directive 1999/5/EG, insofar as the product is used correctly.