



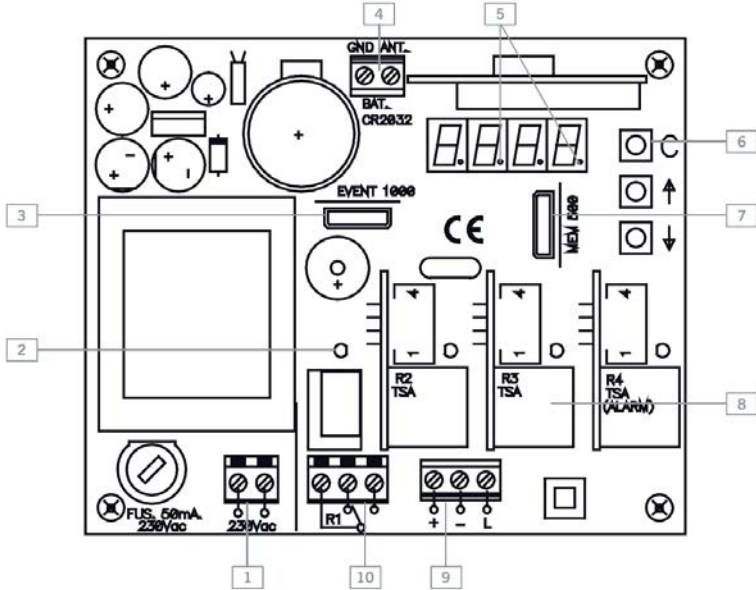
ACCESS 500

User Manual

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Technical Data



- 1- Power supply
- 2- Channel 1 operation led
- 3- Event card connection
- 4- Antenna connection
- 5- Power supply lights
- 6- Programming pushbutton
- 7- Memory card connection
- 8- Expandable card connection
- 9- BUS-L (+, -, L)
- 10- Relay 1 output

Parameter	Value
Frequency	868,35MHz
Coding	High security rolling code
Memory	500 codes
Events	1000 event card (optional)
Number of relays	1 (expandable to 4)
Anti-panic function	Configurable on relay 4
Alarm function	Only available on proximity equipment with alarm function
Power supply	230Vac ±10%
Relay contacts	1A
Standby / op. consumption	23mA / 42mA
Battery	CR 2032 3Vdc
Access control output (Max. 2 readers without external power supply)	BUS-L
Op. temperature	-20°C to +85°C
Watertightness	IP54 (with glands IP65)
Size	115x95x35mm
Box dimensions	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 unit. Connect the power cables to the terminals marked in the mother board, as indicated. Fix the unit front to the rear part using the screws supplied.

Operation

The lights on the screen blink to indicate correct power supply to the equipment. On receiving a code the equipment checks if it is in the memory, activating the programmes relay(s). If the equipment code is not stored in the memory, the equipment will not perform any action, and the message "no" will be displayed on the screen.

Menus

To access the menu, press any key and enter the password using the \uparrow \downarrow keys. \uparrow increases number, \downarrow changes digit, C confirms password. If the password is incorrect, the message "Err" is displayed on screen and the equipment emits a bleep. The manufacturer set password is written on a sticker located on the memory card.

The menus that will be displayed are: Mod1 (basic mode), Mod2 (advanced mode), ---- (exit).

\uparrow \downarrow are used to change mode. To confirm each option, press the C key.

\uparrow Menu scrolling key

\downarrow Menu scrolling key

C Menu accessing or option validating key

If no action is performed, the equipment exits the program automatically after a period of 60 seconds and emits two short beeps.

Display	Description
Mod1	Basic mode: Allows programming in multi-channel mode and individual cancellations.
Mod2	Advanced mode: Allows complete management of the unit: programming (F.1), cancellations (F.2), time configuration (F.3) and relay configuration(F.4).

Basic Mode (Mod1)

Allows programming in multi-channel mode and individual cancellations.

Programming

The screen displays 001, which indicates the first memory position. \uparrow \downarrow increase or decrease the memory position. Place in the desired position and press the channel of the transmitter to be programmed. If \uparrow \downarrow are kept pressed down for more than 3 seconds, the positions increase or decrease rapidly. If a memory position is taken, this will be indicated by a dot on the screen.

Cancellations

To delete a code, move to the code position and press the C key. The dot indicating a taken position will disappear. The equipment will emit three short beeps.

To exit the menu, move to the ---- position and press the C key.

If no action is performed, the equipment exits the program automatically after a period of 60 seconds and emits two short beeps.

Advanced Mode (Mod2)

Allows the complete management of the unit: programming (F.1), cancellations (F.2), time configuration (F.3) and relay configuration (F.4).

Function is changed using \uparrow \downarrow . To confirm each option, press the C key.

Events monitoring (only visible using the Assistant).

F.1 Programming

Standard programming (Mr_P) (default option, multi-channel mode)

The screen displays the first empty memory position in which we can program a code (M001). With the \uparrow \downarrow keys we can increase or decrease the memory position. If \uparrow \downarrow are kept pressed down for more than 3 seconds, the positions increase or decrease rapidly. If a memory position is taken, this will be indicated by a dot on the screen.

To return to the previous menu, move to the ----- position and press the C key.

If no action is performed, the equipment exits the program automatically after a period of 60 seconds and emits two short beeps.

Special programming (Mr_1 ... Mr34)

Allows selection of the relays that will be activated with the channel programmed from the transmitter. Example: If you wish to program Channel 1 of the transmitter so that relays 1 and 3 activate, you need to select option Mr13.

The screen displays the first empty memory position in which we can program a code (M001).

Using \uparrow \downarrow , we can increase or decrease the memory position. If \uparrow \downarrow are kept pressed down for more than 3 seconds, the positions increase or decrease rapidly. If a memory position is taken, this will be indicated by a dot on the screen.

To return to the previous menu, move to the ----- position and press the C key. If no action is performed, the equipment exits the program automatically after a period of 60 seconds and emits two short beeps.

F.2 Cancellations

Individual cancellation

To delete a code, move to the position where the code is located and press the C key. The dot indicating a taken position will disappear. The equipment will emit three short beeps.

To return to the previous menu, move to the ----- position and press the C key.

If no action is performed, the equipment exits the program automatically after a period of 60 seconds and emits two short beeps.

Total reset

Move to any memory position and keep the C key pressed down for more than 5 seconds. The equipment will emit 10 warning beeps followed by others at a more rapid frequency, indicating that the operation has been performed.

F.3 Time configuration

Allows the unit's date and time to be configured, enabling the correct management of events.

The event memory stores the date and time of the event, the type of event, the code, the number and the model of the device.

The events can be shown using the Assistant programming tool.

Display	Configuration	Values(xx)
d_xx	day	01 - 31
M_xx	month	01 - 12
A_xx	year	00 - 99
h_xx	time	00 - 23
m_xx	minutes	01 - 60

If no action is performed, the equipment exits the program automatically after a period of 60 seconds and emits two short beeps.

F.4 Relay configuration

Allows configuration of the relay activation timing, and in relay 4, allows configuration of timing if it is to be used as an anti-panic function.

Display	Bi-stable configuration (biES)	Impulse configuration (Im__)	Anti-panic configuration (Al__)
r1	Yes	01 – 30 seconds	No
r2	Yes	01 – 30 seconds	No
r3	Yes	01 – 30 seconds	No
r4	Yes	01 – 30 seconds	01 – 15 minutes

To return to the previous menu, move to the ----- position and press the C key.

If no action is performed, the equipment exits the program automatically after a period of 60 seconds and emits two short beeps.

Alarm function

This function is only configurable using the Assistant programming tool and is only available on proximity elements where the alarm function is implemented.

Allows for the enabling of a different relay to that programmed by default, reading the device a certain number of consecutive times in a maximum time of 5 seconds between each reading.

Example: the proximity element enables relay 1 by default and with the alarm function it will enable relay 3 on reading the device 4 consecutive times.

Mensajes

Display	Type of message
OcuP	Displayed when attempting to register a code in a position which is already taken Skips to the first free position emitting a beep.
rEP	Displayed when attempting to register a code which is already programmed in another position. Skips to the position where the programmed code is located, emitting a beep, and allows the device to be reprogrammed.
no	Displayed when pressing a device which is not programmed in the unit.
datE	Displayed when a proximity element is used outside its period of validity.

Errors

Display	Type of error
Err.M	Memory error: memory card not inserted or faulty.
Err.M	Memory error: memory card with incorrect format (from other equipment). Emits a beep.
Err.E	Events error: wrong events card.
Err.E	Events error: events card with incorrect format (from other equipment). Emits a beep.
Err	Wrong password

Important safety instructions



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

In compliance with the European Low Voltage Directive, we inform you of the following requirements:

- When the devices remain permanently connected, an easily accessible connecting device must be incorporated into the wiring.
- This system must only be installed by qualified professionals that have with automated garage doors and knowledge of the relevant European standards.
- The user instructions for this device must always be in the user's possession.
- The operating frequency of the receiver does not interfere in any way with the 868 MHz remote control systems.

Use of the equipment

This device is designed for applications with an automated garage door. It is not guaranteed for the direct activation of devices other than those specified. The manufacturer reserves the right to change the device specifications without warning.

Regulatory Data

EU Declaration of conformity

The manufacturer **JCM TECHNOLOGIES, S.A.** declares that the product **ACCESS 500** complies with the relevant fundamental requirements of the RED Directive 2014/53/EU and of the RoHS Directive 2011/65/EU.

See website www.jcm-tech.com/declarations/

JCM TECHNOLOGIES, SA
C/COSTA D'EN PARATGE, 6B
08500 VIC (BARCELONA)
SPAIN

