



# BASE 30 / BASE 500

User Manual

# Table of contents

<b>Important safety instructions</b> .....	<b>3</b>
Use of the equipment .....	3
<b>Introduction</b> .....	<b>4</b>
Base30-1B/Base30-2B .....	4
Base500-1/Base500-2 .....	4
Base500-1B/Base500-2B .....	5
<b>Installation and connections</b> .....	<b>6</b>
<b>Operating</b> .....	<b>6</b>
<b>Programming</b> .....	<b>6</b>
Manual programming .....	6
<i>Standard programming</i> .....	6
<i>Special programming</i> .....	6
Total reset .....	6
<b>Groups</b> .....	<b>7</b>
Group configuration .....	7
<b>Technical data</b> .....	<b>8</b>
<b>Regulatory Data</b> .....	<b>8</b>
UKCA Declaration of conformity .....	8
EU Declaration of conformity .....	8

## 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:

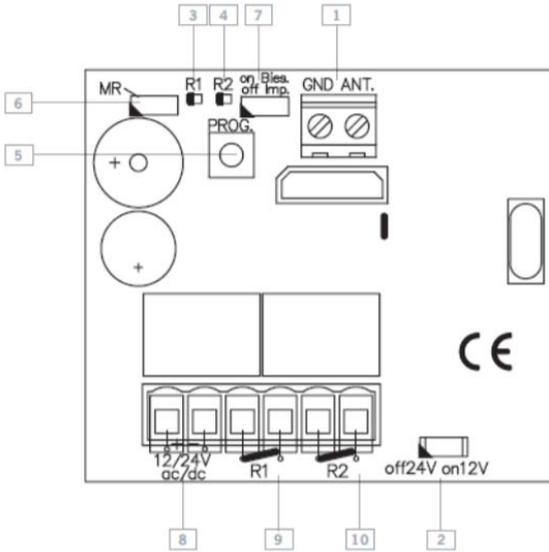
- When the devices remain permanently connected, an easily accessible connecting device must be incorporated into the wiring.
- This system must only be installed by qualified professionals that have with automated garage doors and knowledge of the relevant European standards.
- The user instructions 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

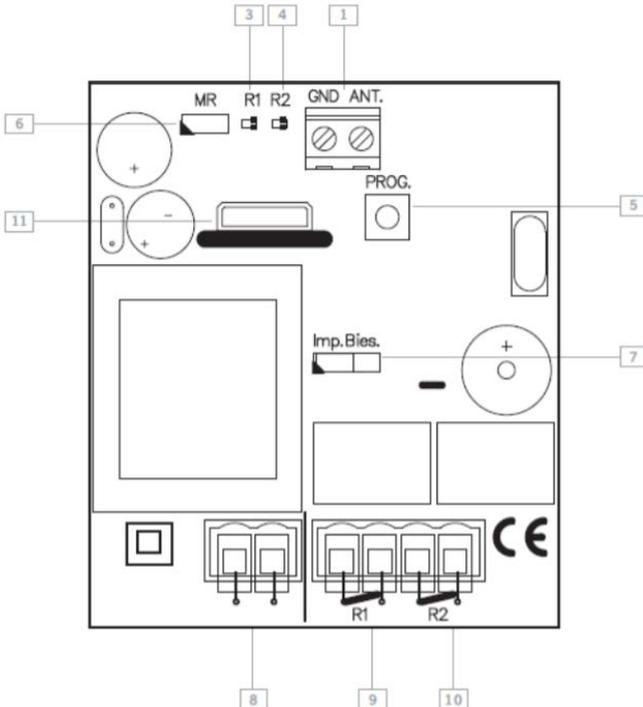
This device is designed for applications with an automated garage door. It is not guaranteed for the direct activation of devices other than those specified. The manufacturer reserves the right to change the device specifications without warning.

# Introduction

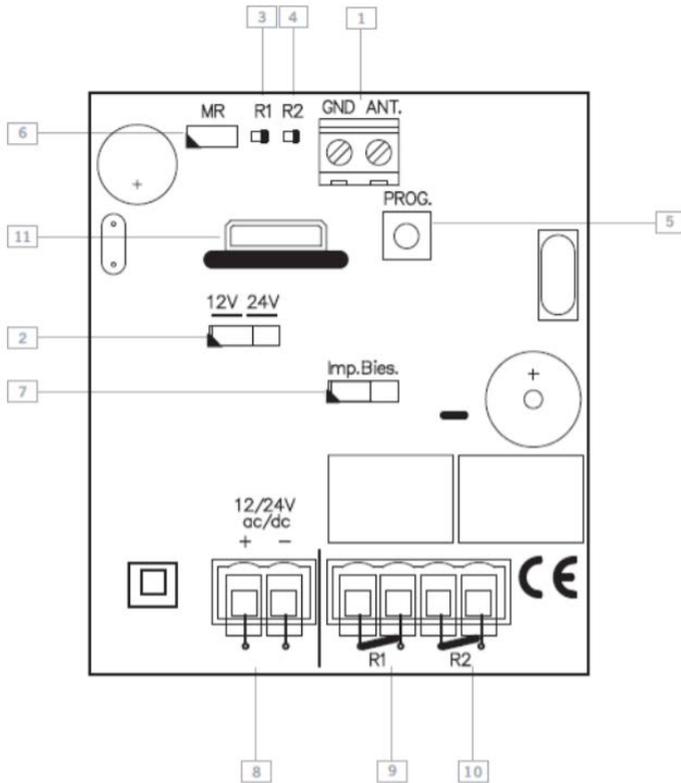
## Base30-1B/Base30-2B



## Base500-1/Base500-2



## Base500-1B/Base500-2B



- |    |                           |    |                        |   |                         |
|----|---------------------------|----|------------------------|---|-------------------------|
| 1  | Antenna conection         | 2  | Jumper 12/24V          | 3 | Channel 1 operation LED |
| 4  | Channel 2 operation LED   | 5  | Programming pushbutton | 6 | Jumper reset            |
| 7  | Microswicht Imp/Biastable | 8  | Power supply           | 9 | Relay 1 output          |
| 10 | Relay 2 output            | 11 | Memory card connection |   |                         |

## 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).

For adjustment of relay 1, see manual of the programming tool.

## Programming

### Manual programming

Press the receiver programming button for 1 sec. and an acoustic signal will be heard. The receiver will enter programming (see table). If the receiver programming button is held pressed down, the receiver will pass cyclically 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
<b>Standard programming</b> (default option, the receiver always is configured in multichannel)		
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
<b>Special programming</b>		
Press the transmitter channel to activate the relay 1 on the receiver	ON	OFF
Press the transmitter channel to activate the relay 2 on the receiver	OFF	ON
Press the transmitter channel to activate the two relays at once *	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.**



**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.

# Groups

Receivers can be configured with a group (from 0 to 7) so that there is no interference when working near each other.

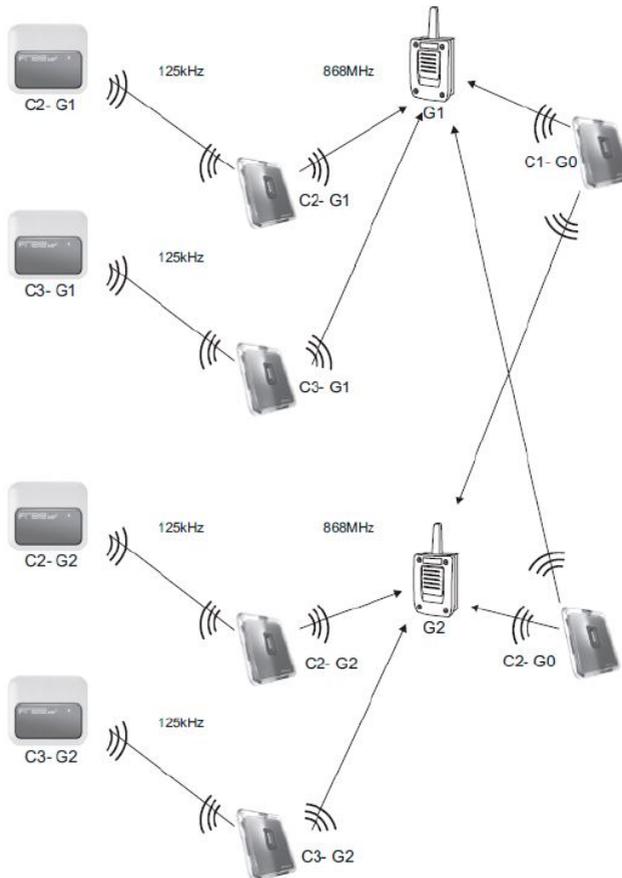
## Group configuration

The configuration can be carried out with the programming tool or by self-programming as follows.

**Self-programming:** After the receiver has been totally reset, it will be configured with the group of the first radio-programmed transmitter by enabling the hands free mode.

Exception: If the receiver has been configured using programming tools, the group may only be changed with the programming tool.

**Operations:** On powering the receiver, the led R1 will flash the same number of times as the group number with which it is configured.



C = channel

G = group

Group 0 enables all groups.



## Technical data

Parameter	BASE30-1B / BASE30-2B	BASE500-1 / BASE500-2	BASE500-1B / BASE500-2B
Frequency		868,35MHz	
Coding	High security rolling code		
Memory	30 codes		500 codes
Number of relays	1 / 2 relays		
Supply	12/24V ac/dc ±10%	230Vac ±10%	12/24V ac/dc ±10%
Relay contacts	1A		
Standby/Op. consumption	18mA / 80mA	10mA / 15mA	60mA / 90mA
Op. temperature	-20°C --- +55°C		
Watertightness	IP54 (with glands IP65)		
Size	63x57x25mm	63x74x25mm	
Box dimensions	82x190x40mm		

## Regulatory Data

### UKCA Declaration of conformity

The manufacturer **JCM TECHNOLOGIES, SAU** declares that the product **BASE30-1, BASE30-2, BASE500-1B, BASE500-2B, BASE500-1, BASE500-2, 2000000, 2000116, 2000122, 2000123, 2000001, 2000734** complies with the relevant fundamental requirements of the Radio Equipment Regulations 2017 and of the RoHS Regulations 2012.

### EU Declaration of conformity

The manufacturer **JCM TECHNOLOGIES, SAU** declares that the product **BASE30-1, BASE30-2, BASE500-1B, BASE500-2B, BASE500-1, BASE500-2, 2000000, 2000116, 2000122, 2000123, 2000001, 2000734** complies with the relevant fundamental requirements of the RED Directive 2014/53/EU and of the RoHS Directive 2011/65/EU.

See website <https://www.jcm-tech.com/declarations/>

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