QK-AMBRX

TECHNICAL CHARACTERISTICS

	QK-AMBRX
Frequency	868.35MHz
Coding	High security rolling code
Memory	500 codes
Number of relays	2
Power supply	12/24V ac/dc (to be selected by jumper)
Relay contacts	1A
Standby/Op. consumption	60mA / 90mA
Op. temperature	-20ºC to +85ºC
Protection rate	IP54

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.

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 or pressing the PROG button, 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		
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.*

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 seconds. The receiver will issue 10 short acoustic warning signals followed by others at a faster speed 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.
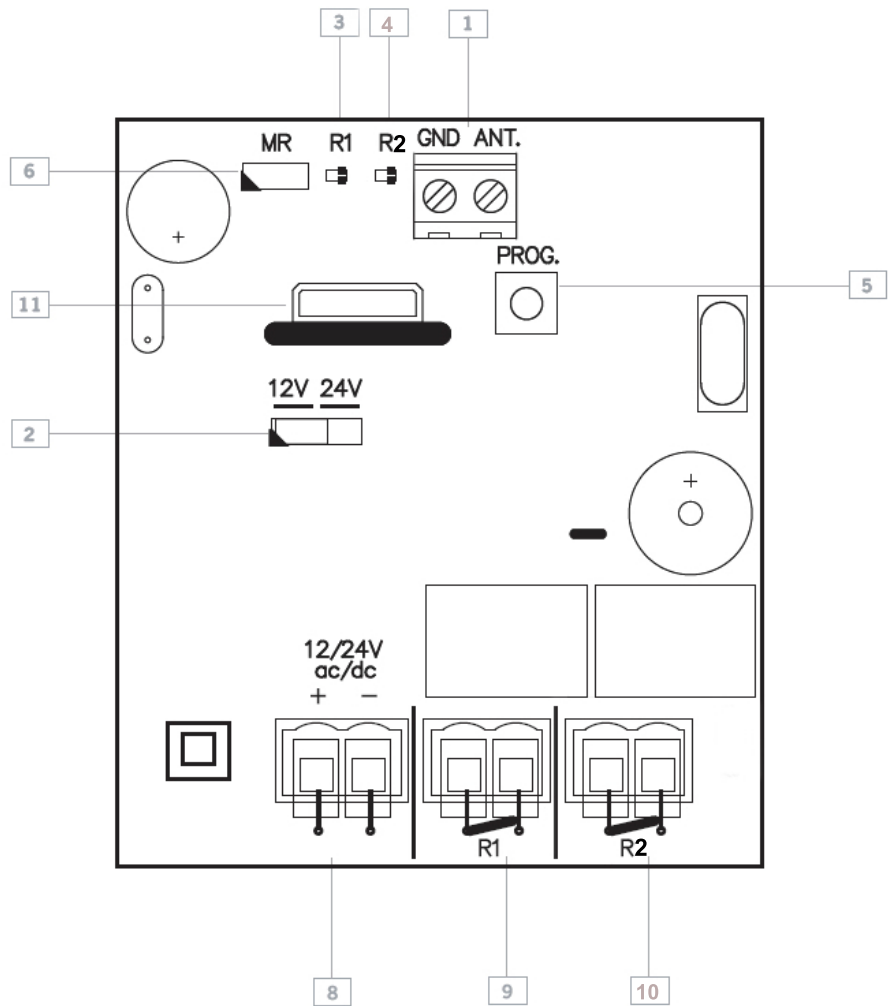
GROUP CONFIGURATION

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.
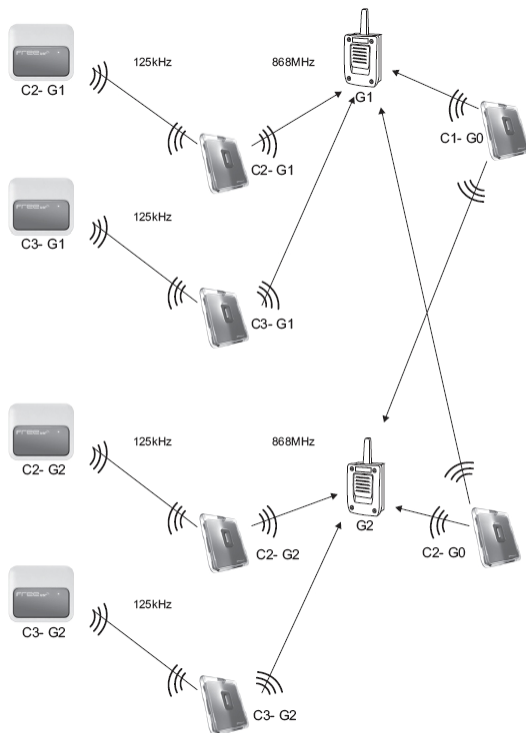
Operations

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

1. Connection of antenna
2. Jumper 12/24V
3. Channel 1 operation led
4. Channel 2 operation led
5. Programming pushbutton
6. Reset jumper
7. ---
8. Power supply
9. Relay 1 output
10. Relay 2 output
11. Memory card connection

GROUPS MANAGEMENT EXAMPLE

C=channel

G=group

N.B. Group 0 enables all groups.

Hereby, **QUIKO ITALY** declares that **QK-AMBRX** is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

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