

RAC

RAC-SI-EN | 953.58b | V1.0 | 2012.05



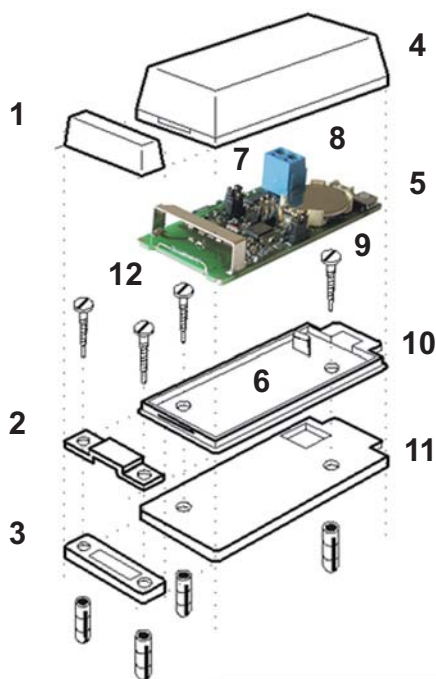
RAC Wireless Contact (434) – Setup Information

The RAC Wireless Contact (called RAC hereafter) is used as wireless door- or window contact. To use the RAC as a transmitter for certain events, the alarm can be activated by approaching and/or moving away a magnet, or by the opening and/or closing of an electrical contact. In this case, the alarm is immediately transmitted to the NurseCall system

Recommendations.

- Allow a minimum height of 20 cm from the ground.
- Do not use on metallic surfaces. If this is not possible, use the two spacing plates.
- Install the magnet on the moving part (door or window) and the radio transmitter on the frame.
- Avoid using "double side" adhesive tape.
- The RAC is not waterproof

Installation

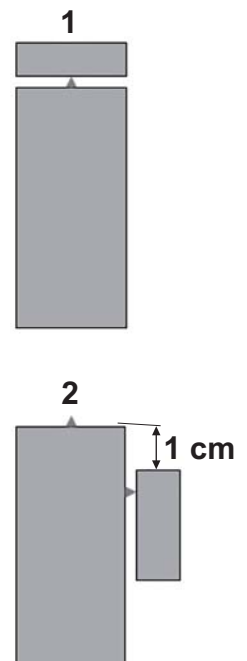


- | Magnet | |
|---------------|---------------------|
| 1 | Housing with magnet |
| 2 | Bottom plate |
| 3 | Spacing plate |

- | Radio Transmitter | |
|--------------------------|----------------|
| 4 | Top Lid |
| 5 | PCB assembly |
| 6 | Clip |
| 7 | Jumper |
| 8 | Battery |
| 9 | Battery holder |
| 10 | Bottom plate |
| 11 | Spacing plate |
| 12 | REED Contact |

Placing the magnet

2 possibilities:

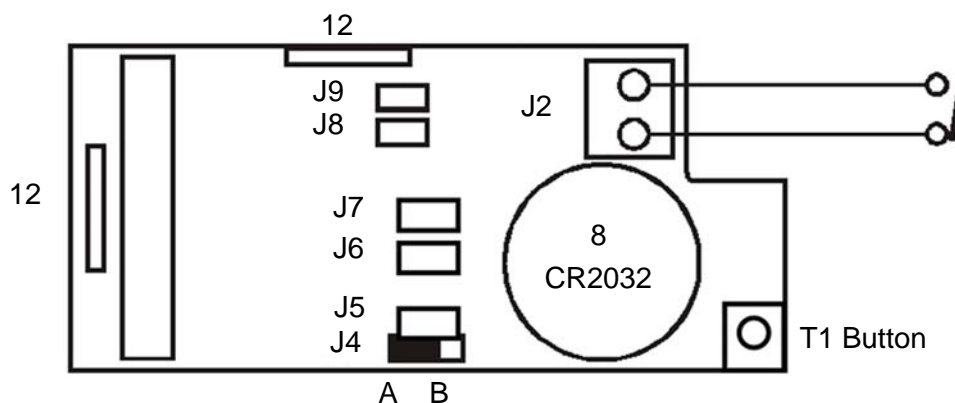


Open lid **4** of the radio transmitter by pressing on the two narrow sides. Remove the printed circuit board **5** by pressing on clip **6** from the bottom plate. **Do not touch the electronic components.**

The bottom plate **10** of the radio transmitter is fixed by two screws. Use the spacing plate **11** to compensate for a difference in height or to move the radio transmitter away from metallic surfaces. Replace the printed circuit board **5** carefully; install the battery **8** with the positive pole (+) to the top and the negative pole (-) against the battery holder **9**. Close lid **4**. The RAC features two REED contacts **12**. Their positions are indicated in the drawing above. The bottom plate **2** of the magnet is secured by two screws. The spacing between the radio transmitter and the magnet should not exceed **10** mm in the closed state. Use also the spacing plate **3** to compensate for the height or to move away the magnet from metallic surfaces. Close the lid **1**.

Use only one single magnet per radio transmitter.

Configuration and wiring



Configuration and wiring has to be done before placing the battery.

External alarm input

The RAC features two screw terminals to connect an external electrical floating contact. The cable length should not exceed 2 m. The external input cannot be used in conjunction with a magnet and REED contact.

Jumper	Position	Description
J8	Set	The radio message is transmitted by opening the external contact J2
J9	Set*	The radio message is transmitted by closing the external contact J2

*factory setting

If both jumpers J8 or J9 are removed, the contact or the magnet will not generate any radio signal. On the other hand it is possible to place both jumpers J8 and J9. The radio message will then be sent by both the closing and the opening of the external contact, or by approaching and moving away the magnet.

Configuration

Jumper	Position	Description
J4	A*	A daily message is transmitted every 24 hours
	B	No transmission of the daily message
J5**	Set	Transmission of a fire alarm when the transmitter is activated
J6**	Set	Transmission of a call for help when the transmitter is activated (N45 Format)
J7**	Set	Transmission of a door event when the transmitter is activated

*factory setting

If no jumpers are set, the activation of the external alarm input or a REED contact will generate the transmission of a call for help on the NurseCall system or the LE10 Radio Receiver.

** Jumpers J5, J6 and J7 are used to setup the criteria that is transmitted to a NurseCall system. Only one jumper should be set at a time.

T1 Button

With activating the T1 button, an acknowledgement event will be send to the NurseCall Main Unit and the alarm will be cancelled. This is for the installation phase; the alarm can be cancelled directly on the RAC.

Programming

The RAC needs to be registered in the alarm receiver unit. Please refer to the user manual of the NurseCall Main Unit or the LE10 Radio Receiver.

Operation check

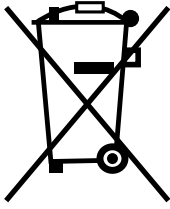
It is strongly recommended to perform an operation check of the installation on a regular basis.

Replacing the battery

The battery is able to generate up to 5000 radio transmissions in a period of up to 3 years. Open lid **4** of the radio transmitter by pressing on the two narrow sides and replace the battery **8** (Use a 3V lithium battery of type CR2032) with the positive pole (+) to the top and the negative pole (-) against the battery holder **9**. Close lid **4**.

Do not touch the electronic components

Environmental note



This product has been made from high-quality parts and materials which can be re-used and recycled. Therefore, do not throw the product away with normal household waste at the end of its life. Take it to a collection point for recycling electrical and electronic devices. This is indicated by this symbol on the product and on the packaging as well. Please find out about collection points operated by your local authority. Help protect the environment by recycling used products.

The CE Declaration can be found at the following address:

<http://telealarm.com/>

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