

## Installation

The RR3 reed switch body and magnet should be affixed to the door or window and frame with the self adhesive pads provided. Ensure that all surfaces are dust free and clean of oily residue.

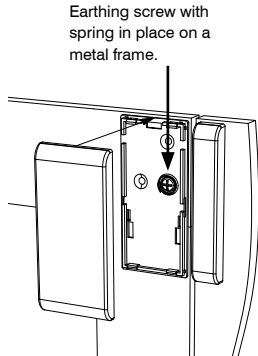
Installation on metal surfaces should be avoided. Metallic objects will reduce radio range. See Earthing Screw.

## Earthing Screw

If installation on a metal surface is unavoidable, the earthing screw provided may help to improve radio range.

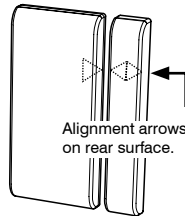
The earthing screw should be screwed into the metal frame through the larger hole in the reed switch base plate. Make sure the spring is fitted to the screw first.

If fitted correctly, the earthing spring will make contact with the antenna plate on the RR3 circuit board.



## Magnet Alignment

The alignment arrows on the reed switch and magnet must be in line. The gap between the reed switch and magnet must not exceed 10mm.



## Indicator LED

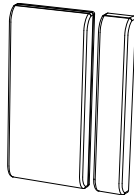
The red indicator LED is visible through the reed switch cover plastic. The LED is on when transmitting and flashes when transmitting with a low battery condition.

## Programming

The RR3 sends a Learn message on insertion of the battery. Refer to the Ness control panel or receiver manuals for specific programming instructions.

## Installation Notes

### Ness RR3 Micro Radio Reed Switch



## Introduction

The Ness RR3 Micro Radio Reed Switch is a battery operated radio transmitter with internal reed switch.

The ultra low profile body of the reed switch and supplied magnet allows for unobtrusive installation on door and window frames in cases where wired reed switches cannot be used.

The RR3 also features radio encryption and sends

an hourly supervision signal for enhanced radio security when used with Ness control panels.

The RR3 is supplied with self-adhesive mounting pads and a spring-loaded earthing screw which can be installed in cases where radio signal is marginal.

*"Another innovative Ness radio product."*

## Features

- Micro Radio Reed Switch
- On-board reed switch.
- Fully supervised, encrypted signals.
- Compatible with all Ness radio receivers.
- Lithium battery operation.
- Ultra low standby current draw.
- Self adhesive pad mount.
- Unique Earthing spring for extra range.

## Battery

A 3V lithium battery is supplied.

The RR3 will send a low battery signal when the battery voltage drops below 2.5 volts.

Battery life depends on the number of transmissions per day and will be shorter when used on high traffic doors or windows.

The red LED Flashes when transmitting during a low battery condition.

## Specifications

**Operating Voltage:**  
3V Lithium battery CR2032

**Standby Current Draw:**  
Typically 4 $\mu$ A

**Signals Transmitted:**  
1. Alarm/Restore 2. Low Battery 3. Supervision signal hourly 4. Learn message

**Radio Security:** Encryption. Supervised operation.

**Frequency:** 303.85MHz, / 868MHz

**Dimensions (Reed Sw):**  
60(h)x28(w)x7(d) mm

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For the products:

106-091 RR3 304MHz  
106-092 RR3 868MHz



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