

# Magnetic Trigger

Model No. LW931

## Instruction Manual



Professional Series

[www.lightwaverf.house](http://www.lightwaverf.house)

# EC DECLARATION OF CONFORMITY

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Model Number(s):

JSJSLW931

Description:

Magnetic Trigger

Directives this equipment

Complies with:

2006/95/EC The Low Voltage Directive N/A  
2004/108/EEC The Electromagnetic Compatibility Directive  
1999/5/EC R&TTE Directive  
93/68/EEC CE Marking Directive

Standards Applied in order to verify compliance

Safety: BS EN 60730-1: 2011

Health:

R&TTE: EN 301 489-1 V1.9.2: (2011-09), EN 301 489-3 V1.4.1: (2002-08)  
EN 300 220-1 V2.1.1: 2006, EN 300 220-2 V2.1.2: 2007  
EMC: EN 301 489-1 V1.9.2: (2011-09), EN 301 489-3 V1.4.1: (2002-08),  
EN 55022: 2010, EN 61000-3-2: 2006 +A1: 2009 +A2: 2009 Class A,  
EN 61000-3-3: 2008, EN61000-4-2: 2009,  
EN 61000-4-3: 2006 +A1: 2008 +A2: 2010, EN 61000-4-4: 2012,  
EN 61000-4-5: 2006, EN 61000-4-6: 2009, EN 61000-4-11: 2004

For and on behalf of LightwaveRF PLC

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Name  
Position

J Shermer  
Managing Director



### How do I get started?

The following setup guide will explain how to install and use the Magnetic Trigger with other LightwaveRF heating devices.

### How does it work?

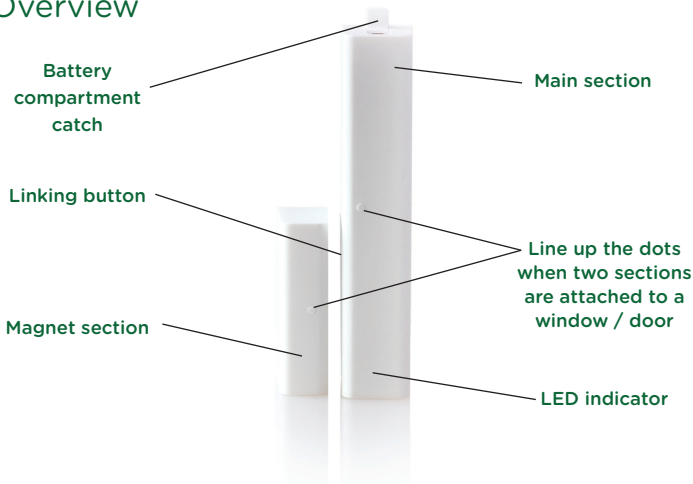
The Magnetic Trigger can directly link to and control LightwaveRF heating devices such as the Thermostatic Radiator Valve (TRV), Home or Room Thermostat or Electric Switch. When the door or window that the trigger is attached to is opened or closed, the radiator in the room will be turned off or on.

### Help video & further guidance

For additional guidance, and to watch a video that will help guide you through the installation process, please visit the support section on [www.lightwaverf.com](http://www.lightwaverf.com)



## Overview



**IMPORTANT:** Please retain these instructions for guidance on how to link other LightwaveRF devices to the Magnetic Trigger. For additional guidance please visit [www.lightwaverf.com](http://www.lightwaverf.com)

## Inserting the batteries

2 x AAA batteries can be inserted under the battery cover at the rear of the device. This can be removed by pulling down on the catch and gently unhooking the cover from the hooks at the base of the unit.

**IMPORTANT:** In the battery compartment there is a slider switch marked A/B. Setting the switch to position A causes an 'off' command to be sent when a window or door is opened. Setting it to position B will cause an 'on' command to be sent.



## Attaching to a door or window and frame

The Magnetic Trigger can be attached to a window frame using adhesive pads provided or by using suitable screws inserted through the mounting holes in the back cover.

**IMPORTANT:** When mounting, the two dots on each section must line up vertically with no more than 2-3mm between the sections (as in the picture). The two dots also need to be within 10mm of each other in terms of depth. The indicator LED will light up on opening / closing if the sections have been mounted correctly.



## How to use the Magnetic Trigger

Each LightwaveRF Magnetic Trigger can be used to turn on and off a LightwaveRF TRV, Electric Switch or Thermostat if a window or door is opened or closed.

The trigger will automatically setback a TRV, an Electric Switch or Thermostat (default of 11 degrees) if a window is opened and return them to their previous set temperature when the window is closed again. The trigger will interrupt any set schedule for the LightwaveRF heating device if activated, but return to the schedule once closed.



## Linking the trigger to a TRV, Electric Switch or Thermostat

To directly control a LightwaveRF TRV, Thermostat or Electric Switch using a Magnetic Trigger, you will need to 'link' them. The trigger can be linked to these devices using the following method:

1. Press and release the 'Linking' button on the Magnetic Trigger (the LED will flash).
2. Press and release the Linking button on the TRV, Electric Switch or Thermostat that you wish to link to. The 'on' LED should flash to indicate a successful link.

**Note:** linking mode lasts for 12 seconds; if no linking command is received within this time, then linking mode will time out and the process will have to be re-initiated.

To completely clear the memory of the Switch and unlink any linked devices, press and release the Linking button to enter linking mode (the LEDs will flash). Then, hold the Linking button until the LEDs flash rapidly. Finally, press and release the Linking button once more. The LED will flash more slowly to confirm that the memory has been cleared.



Add other heating devices

Lightwave<sup>RF</sup>

**Home Thermostat**  
(monitors house temp.)



**Boiler OR Electric Switch**  
(turns boiler on/off)



**Lightwave App**  
(control from anywhere)



**Heating Remote**  
(sets house temp.)



**Lightwave Link**  
(runs the show)



**Home or Away button**  
(turn house on/off)



**TRV**  
(controls radiator)



**Magnetic Trigger**  
(open window turns off TRV)



**Electric Switch**  
(controls electric radiators)

**Room by room radiator control**



**Problem: The LED does not illuminate when the window / door is opened.**

**Solution:** The trigger is not mounted correctly. Ensure that the two dots line up on each section, that there is less than 10mm difference in the depth of the dots, and ensure that there is only a 2-3 gap (max) between the sections when closed.

**Problem: The trigger no longer functions and the LED does not illuminate.**

**Solution:** Check the batteries. The average battery life should be at least one year, although this will vary depending on use. The LED indicator will flash ten times to report a low battery status. If this measure fails, there may be a fault. Please contact technical support via [www.lightwaverf.com](http://www.lightwaverf.com).

**Problem: The trigger turns the TRV on rather than off when opened.**

**Solution:** This is because the A/B Switch inside the battery compartment is switched to position B rather than position A. Moving the slider to position A will reverse the on/off commands and turn the TRV off when the window is open.

**Q. How do I know that the trigger will fit my window frame?**

**A.** The Trigger can be mounted to most window or door frames and has a degree of flexibility to accommodate different types. As long as the two sections of the Trigger can be made to match up together, the device will work.

**Q. Can I link more than one TRV to a trigger?**

**A.** You can currently only link one TRV directly. .

**Q. Is it legal for me to install a LightwaveRF devices myself?**

**A.** Yes, LightwaveRF products are fully legal to install in your own home.

**Q. How long do the batteries last?**

**A.** This can vary, but a minimum of one year can be expected with normal use.

## Specification

**RF frequency:** 868 MHz

**Batteries:** 2 x 1.5V (AAA)

**Warranty:** 2 year standard warranty



Lightwave<sup>RF</sup> Comfy

**MEGAMAN<sup>®</sup>**

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Mundells  
Welwyn Garden City  
Herts  
AL7 1FS  
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