

# Instructions

## Wireless Door Sensor - DS

### Alerts a pager when a door opens

The wireless door sensor attaches onto the door and doorframe.  
On opening the door the sensor sends a message to the pager.



Main Sensor and Magnet

### Whats inside

Inside the box you will find the main sensor and a smaller magnet.  
The main sensor also contains a small button battery.

### How it works

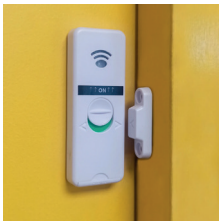
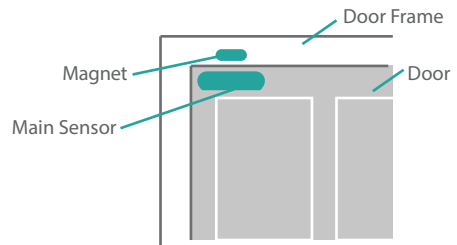
When the door opens, the sensor moves apart from the magnet which causes an alert to be sent to the pager.

### Setting up the door sensor

One piece attaches to the door frame and the other attaches to the door itself, using the self-adhesive pads.

The arrow on the magnet should be aligned with the arrow on the main sensor and the space between them should not exceed 1cm.

Once in position, turn the sensor on using the central switch. The red light will flash on the main sensor when you open the door.



Magnet positioned at right-angle to main sensor



Magnet positioned flush with main sensor

### Changing the battery



The CR2032 button battery is located in a tray at the base of the main sensor. To change the battery, slide the tray out.



It is important to use a high quality CR2032 lithium button battery. We recommend using Energizer, Duracell or Panasonic.

The battery must be inserted with the shiny + surface facing upwards, as shown in the picture.

## Range Test

Once your pager and door sensor are switched on you need to test that the pager picks up the alert. Trigger the sensor and test that the pager activates. The door sensor has a range of up to 200 meters. The range may be reduced by thick walls. We can provide signal boosters where necessary. The higher the position on the door frame the better the range.

## Battery Life

The sensor contains a small lithium CR2032 button battery which can last for up to six months on 10 activations per day. The battery life will vary depending on how often the door opens, the ambient conditions and the brand of battery that is used. We recommend high quality Energiser, Duracell or Panasonic batteries.

The battery must be positioned with the shiny + side facing up. If the battery is inserted the wrong way around, the sensor will not work and the battery will be depleted very quickly. If the battery has been inadvertently placed the wrong way around, it should be replaced with a fresh, brand new battery.

## Coding

The wireless door sensor will be supplied already linked to one or more pagers.

Multiple sensors can be linked to the same pager. If you have a text pager we can programme the door sensor to display a unique message on the pager, e.g. "room 10".

Alternatively, we can link each door sensor to its own pager so that each set is on a different code.

Please contact us for further details.

## Safety

Remember, daily system tests should be carried out to ensure correct functioning of the unit. Usage should be incorporated within safety manuals and procedures. Range tests should be carried out at least once a week, or more often if critical criteria apply. This should involve testing the unit past its required range. If the unit has been dropped, it should be tested again before re-use.

## Cleaning

The unit can be cleaned using a damp cloth and a small amount of disinfectant, alcohol based cleaning product or diluted chlorine-based cleaning solution. Do not submerge as the unit is not waterproof.

## Care

DO NOT subject this equipment to: Mechanical shock, excessive humidity, extremes of temperatures, corrosive liquids.

This equipment is designed for indoor use and is not water resistant. It must not be used in classified hazardous areas including areas containing explosive or flammable vapours. Consult your local product dealer for further information.

## Specifications:

Power supply	1 x CR2032 Lithium Battery (Removable, not rechargeable)
Frequency	433.92MHz
Bit Rate	1200
Code format	POCSAG
Dimensions(mm)	100(L)x 37(W) x 10(D)
Weight with battery	30g

## Compliance

R&TTE Directive 1999/5/EC  
EMC Directive(89/336/EEC) EN 301 489 -1 V 1. 4. 1  
Low Voltage Directive (7323/EEC) EN60950 : 2000  
ETSI EN 300 220-1 V2 (2006 – 04)  
ROHS II compliant

## Liability

Frequency Precision does not accept any liability for any damage or injury, howsoever caused as a result of misuse of this equipment. It is the responsibility of the user to ensure that the equipment is operated in the manner for which it was intended and that it is the correct item of equipment for the required task.

All systems can fail and it is the responsibility of the user to carry out regular tests to determine the suitability of the equipment for any application.

## Repair and replacement

Frequency Precision will refund payment for any unit returned within 30 days of purchase as unsuitable for the intended purpose. Please contact us to obtain a returns number.

Undamaged units will be repaired or replaced free of charge within the first 12 months.

## Literature

Frequency Precision Ltd operates a policy of continual improvement and therefore reserves the right to modify and change any specification without prior notice.

While every possible care has been taken in the preparation of this manual, we do not accept any liability for the technical or typographical errors or omissions contained herein, nor for incidental or consequential damages arising the the use of the material.

## Disposal

At the end of the working life of the product it must not be disposed of with household waste but returned to Frequency Precision Ltd or disposed of at a collection point for the recycling of electrical and electronic equipment.