

Installation of receiving devices should be carried out by a qualified electrician. Any device with the signs of damage and/or missing parts should NOT be installed and should be returned to the seller. Please refer to 'installation guidance notes' supplied with the receiver before commencing with the any CLICKSMART installation.

Devices are designed to be mounted internally only.

JA-83P - Wireless PIR Motion Detector

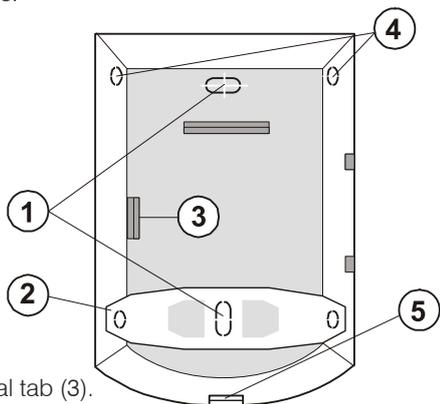
The JA-83P is a component of ClickSmart. It is designed to detect human body movement. The detection pattern can be modified by changing lenses. Detector immunity has two selectable levels.

The JA-83P detector is suitable for indoor use only.

For use with the range of switching receivers.
e.g. RFSAI-61B, RFSAI-61B, RFSAI-62B, RFSAI-61M & RFSAI-66M

Installation

Installation should only be undertaken by technicians holding a certificate issued by an authorised distributor. The detector can be installed on a flat wall or in the corner of a room. Avoid objects rapidly changing in temperature, such as electrical heaters, gas appliances etc. being positioned within its detection area. Moving objects with a temperature close to that of humans such as curtains moving above a radiator, and pets should also be avoided. Detectors should not face windows or spotlights or be near fast moving air e.g. near ventilation fans or open windows or doors. There should also be no obstacles blocking the detector's "view" of the protected area. Keep the detector away from metal objects which could interfere with radio communications.



A. Open the detector cover by pressing the tab (5). Avoid touching the internal PIR element or damaging the antenna.

B. Remove the PCB which is held by an internal tab (3).

C. Punch screw holes through the rear plastic cover - for a flat wall (1) or for 45° (corner) mounting (4).

D. At least one screw should penetrate the tamper sensitive section (2).

E. Screw the rear cover on to the wall, about 2.5 metres above the floor (vertically, with the tab down).

F. Return the PCB to its original place. Leave the battery disconnected and the cover open and assign to the receiver as shown opposite.

Notes

To enrol a detector after having already connected a battery, first disconnect the battery, and press and release the tamper sensor (11) to discharge any remaining charge to ready the device for enrolment. After installing a battery into the detector, allow two minutes for stabilisation.

During this period the LED is continuously lit.

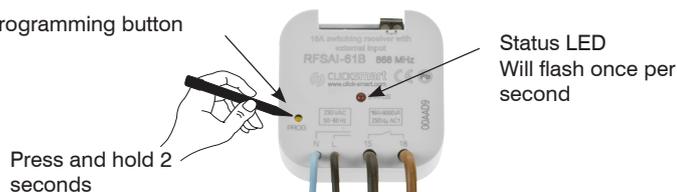
Pairing The Detector:

Please read the 'Note' on 'Testing The Detector' overleaf to ensure the correct time and sleep mode is selected

Step 1 - Activate The Receiver

Press & hold the 'programming' button on the receiver for 2 seconds (the status LED will flash with a 1 second interval).

Programming button



Press and hold 2 seconds

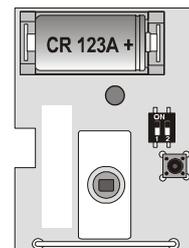
Step 2 - Assign The Device

Insert the battery, the receiver LED will flash to confirm the assignment.

The device will now switch on / off without any delay.

To programme an off delay proceed to Step 3.

To exit programming proceed to step 4.

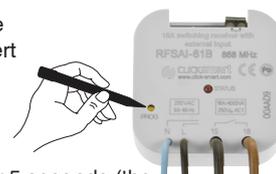


Step 3 - Adding Time Delay Off

Whilst the receiver LED is still flashing once per second, remove the battery and re-insert the battery to select the time delay mode.

Remove the battery once again.

Press the 'PROG' button on the receiver for 5 seconds (the LED will flash twice a second) to start the timer. When the required time has elapsed, re-insert the battery



Step 4 - Save And Exit

To exit programming mode press the programme button for 1 second only.

Replace the cover on the PIR device.

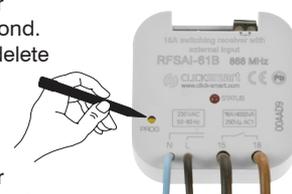
Press and hold for 1 second



Select A or B To Delete Stored Function

A. Press and hold programme button for 5 seconds the LED will flash twice a second. Remove and re-install battery - this will delete the single pairing.

B. Press and hold programme button for 8 seconds - this will delete ALL stored functions. Release programming button and then press for <1 second to exit



DIP Switches

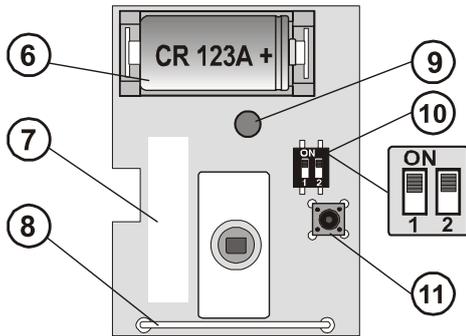
DIP Switch 1 Selection - Immunity to false alarms.

The NORM (OFF) down position combines very good immunity with fast sensor reactions.

The HIGH (ON) up position gives increased immunity with a slower reaction time and is only used for problematic installations.

DIP Switch 2

Leave in 'ON' up position



Testing the Detector

15 minutes after closing the detector cover, the indicator shows detector activation.

5 minutes / 1 minute sleep time

To save battery energy, the detector switches the battery to battery-save mode 15 minutes after its cover is closed. During battery-save mode the detector will still detect movement. The first movement detected is then signalled to the receiver, and for the next 5 minutes the detector ignores any further movement. After the 5 minutes the detector then returns to watching out for movement until re-triggered. The sleep time can be shortened to 1 minute by pressing the tamper switch during battery installation and programming. Not pressing the tamper switch gives a sleep time of 5 minutes.

Note: When adding the time element 'Step 3' of programming, the recommended time is >5 minutes if the sleep mode is set to 5 minutes, or >1 minute if the sleep mode is set to 1 minute. This ensure the PIR is active at all times.

Battery Replacement

We recommend using a high quality brand name battery (e.g. Duracell, Panasonic). After the batteries have been replaced, detector function should be tested.

After battery replacement, the detector needs about 3 minutes to stabilise during which its LED lights continuously. After the LED has stopped indicating, test the detector's functioning.

If a partly discharged battery is inserted then the LED starts flashing for one minute. The LED will stop flashing when a brand new battery is installed. **Expired batteries should be disposed of according to local regulations.**

Technical Specifications

Battery Type:

Voltage:

Typical battery life:

Communication band:

Communication range:

Recommended installation height:

Detection angle/detection range:

Operational environment according to EN 50131-1

Operational temperature range:

Dimensions:

EN 50131-1, CLC/TS 50131-2-2, EN 50131-5-3 classification:

Complies with:

Can be operated according to:

Detection Characteristics

The default lens supplied covers an angle of 120° and a distance of 12 metres. The area is covered by three beams as shown in the following pictures.

