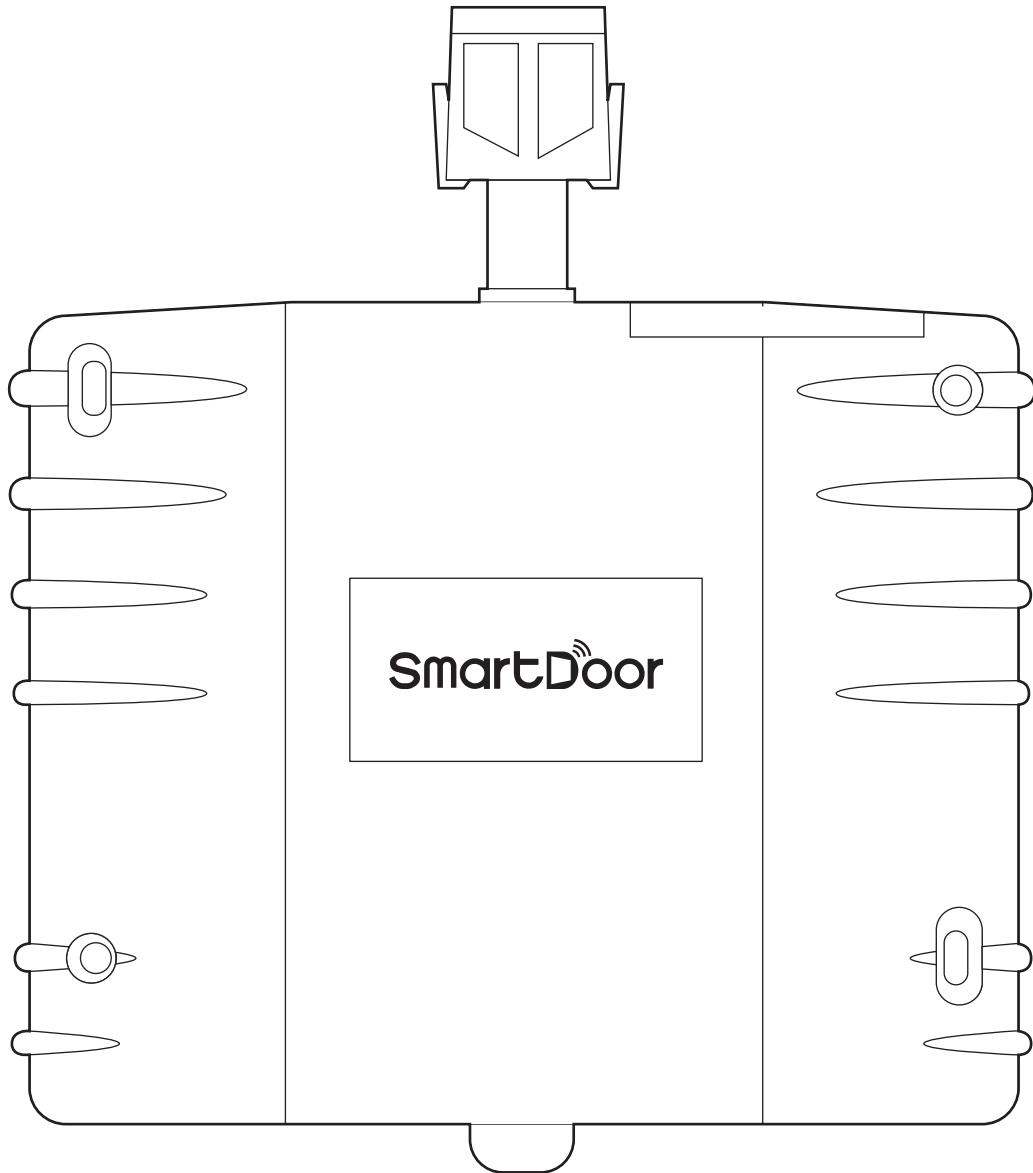


SmartCell



SmartDoor Installation Guide

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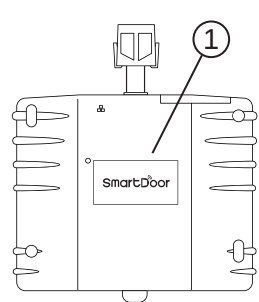
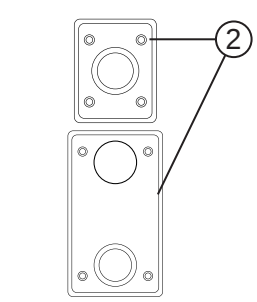
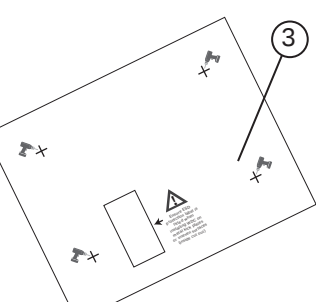
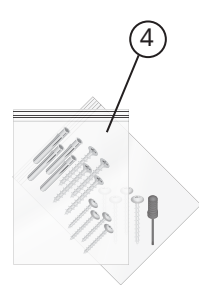
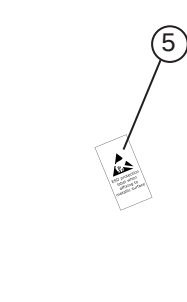
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Part number	Product description
SC-44-0200-0001-99	SmartDoor (white)
SC-44-0300-0001-99	SmartDoor (black)

Pre installation

-  Installation must conform to applicable local installation codes and should only be installed by a fully trained competent person.
-  Ensure that the device is fitted to the side of the door that shuts against the door frame.
-  Check that the fire door is suitable e.g. self closing, has a flat surface to fix to and has appropriate clearance under the door to accommodate the floor plate.
-  The supplied ESD protection label must be fitted when installing the SmartDoor on metal kick plates or uneven surfaces.
-  Any door closing devices used in conjunction with SmartDoor must conform to EN 1154.
-  To ensure correct operation, products must be used within the specified environmental operating conditions.

Components

① SmartDoor

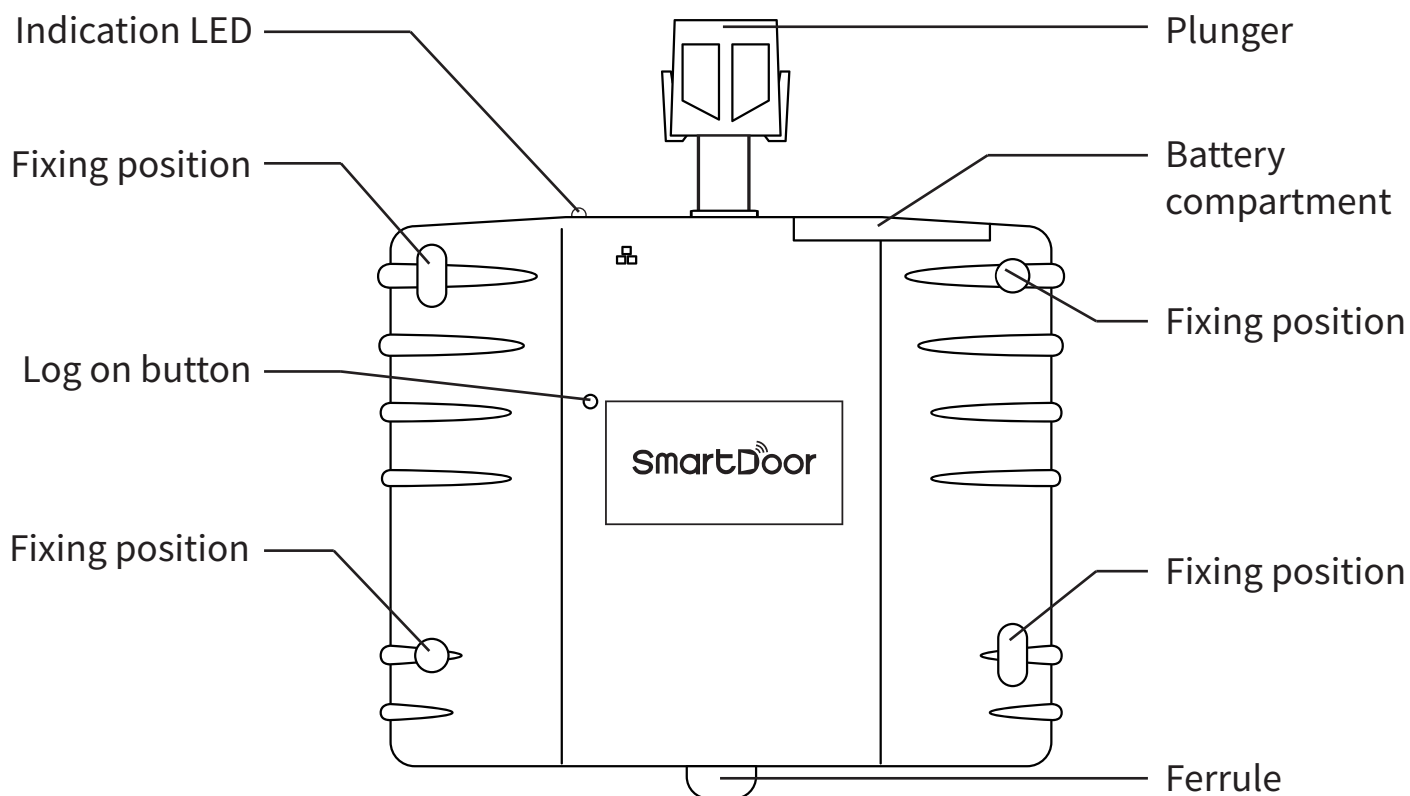
② Small & large floor plates

③ Fixing template (MK350)

④ Fixings

⑤ ESD protection label

Equipment familiarisation

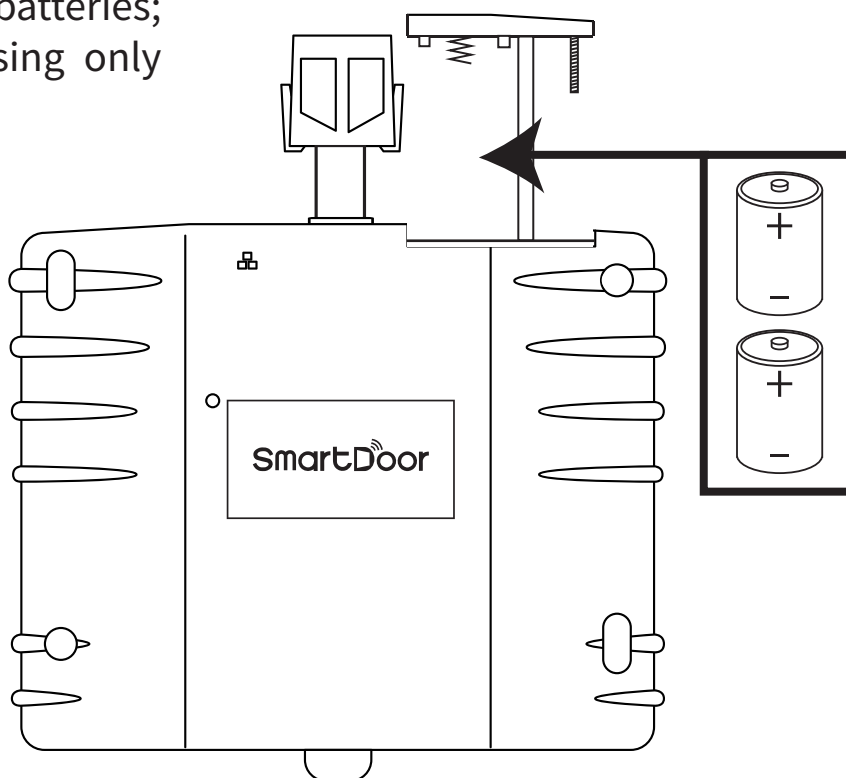


Insert batteries

- When fitting / replacing batteries; observe correct polarity, using only specified batteries.

⚠ Note; upon first power up the device will initiate a start-up sequence, denoted by a series of low pitched beeps and motor operations. This sequence will take approximately 15 seconds and concludes with three low pitched beeps.

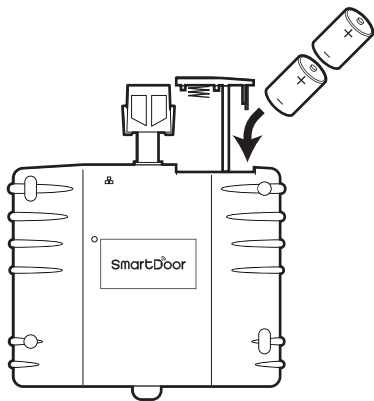
Should the sequence close with a mix of high and low pitched beeps, refer to page 13.



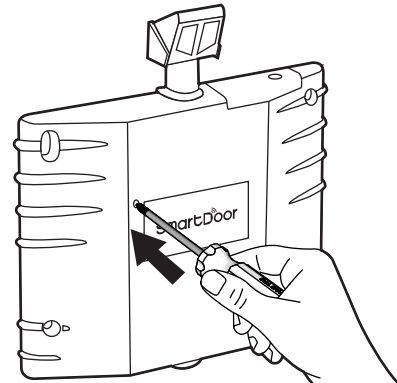
Configuration

The device must now be added (programmed) to the control panel.

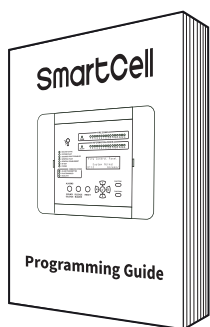
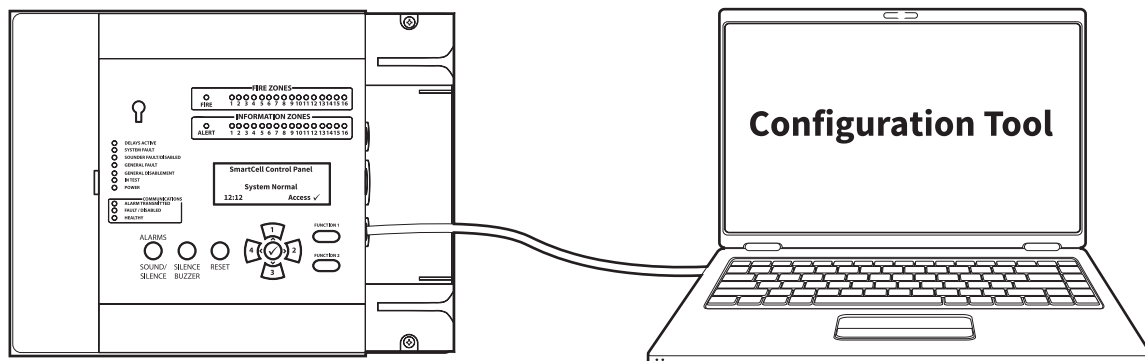
Method 1 Device powering



Method 2 Log on button



Method 3 Via computer

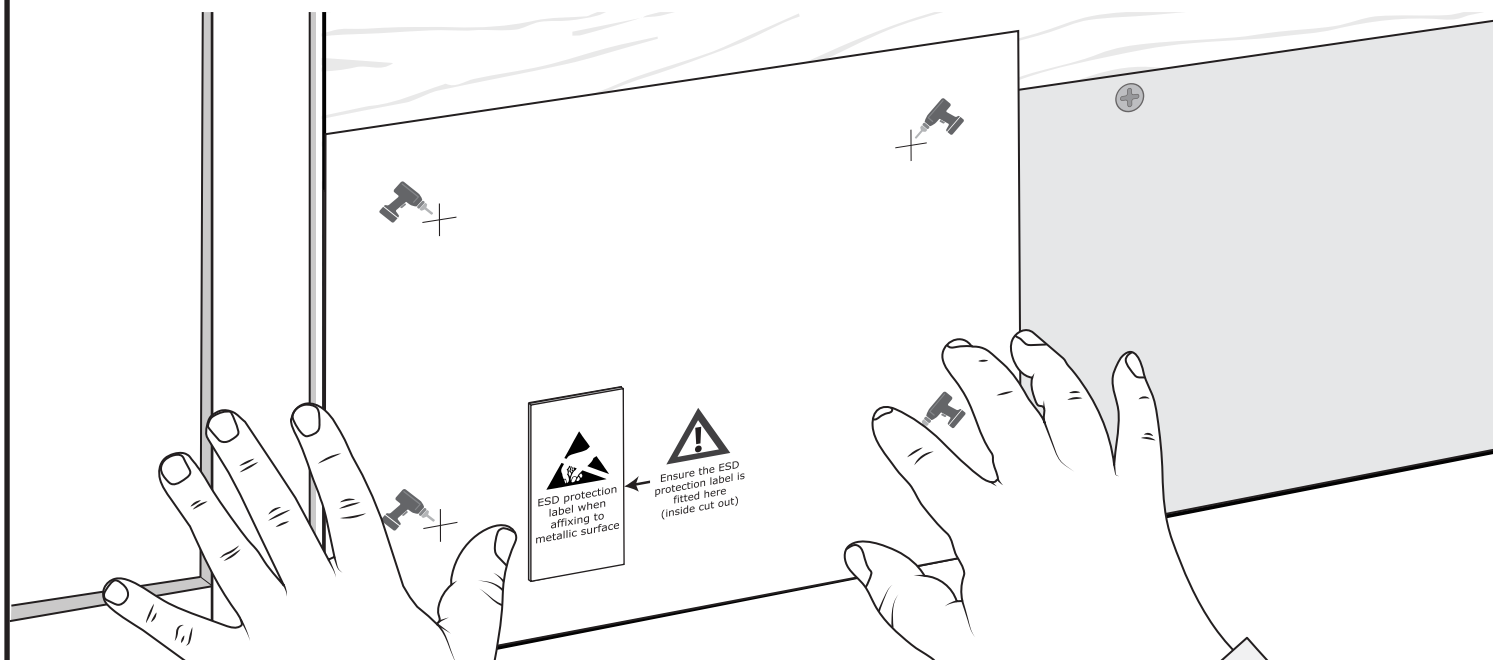


Refer to the programming manual for full programming details.

SmartCell panel = TSD155
SmartCell gateway = MK407
SmartCell WZM = MK067

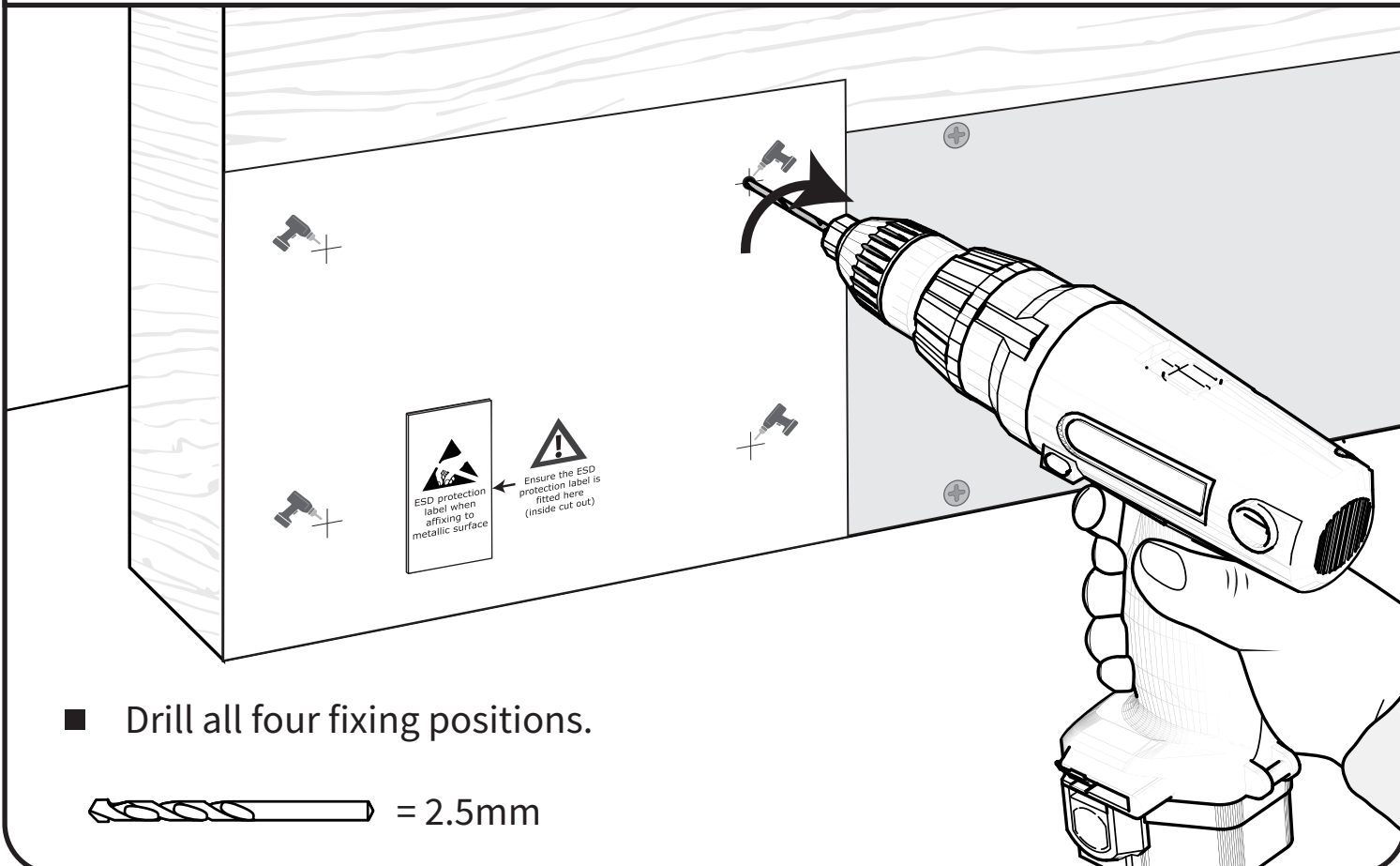
Note: the device can also be programmed utilising the control panel's cause and effects, as part of the buildings evacuation plan.

Position template against door

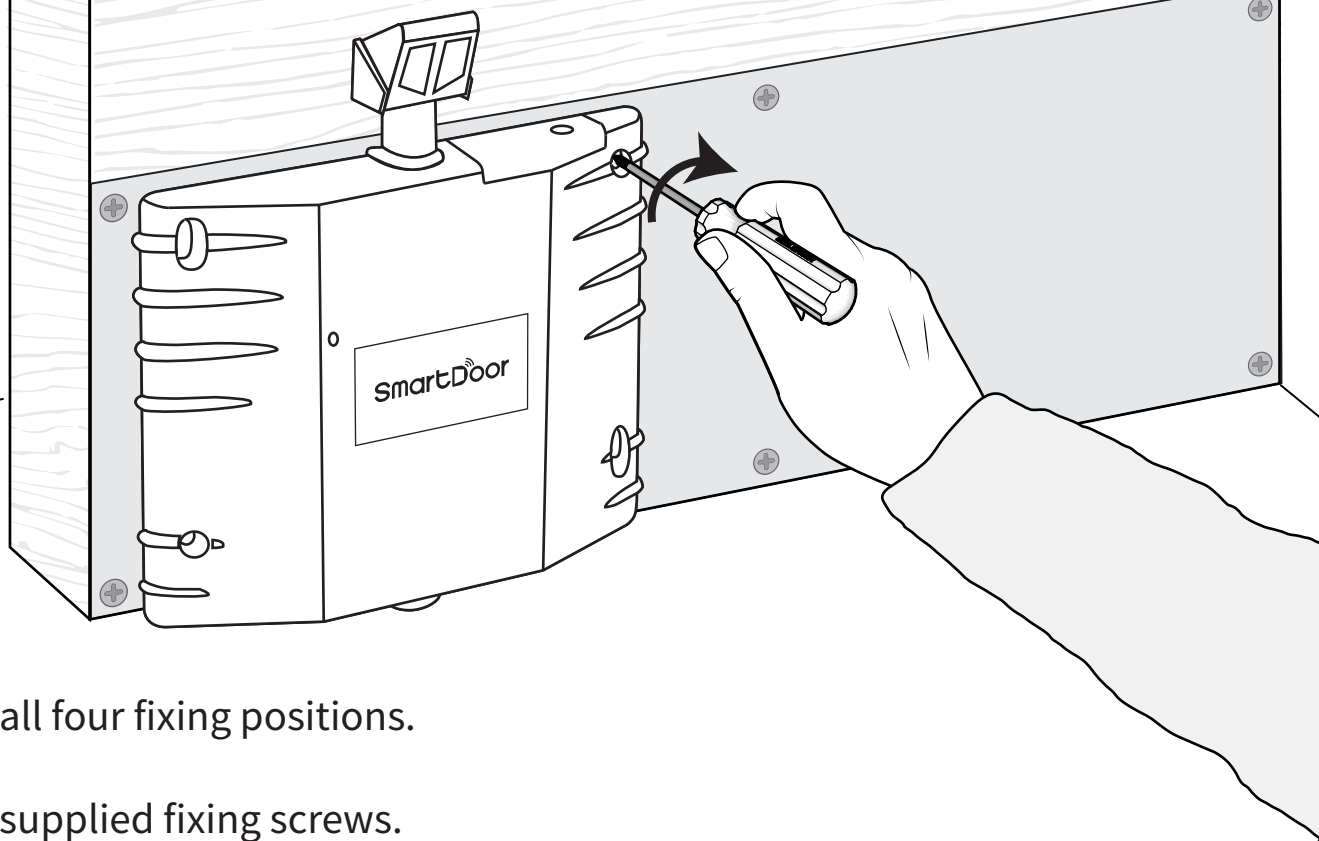


If the device is to be fitted to a metal surface, e.g. a metal kick plate, the ESD protection label must be fitted. Simply affix the label inside the fixing template's cut out, on to the metal surface.

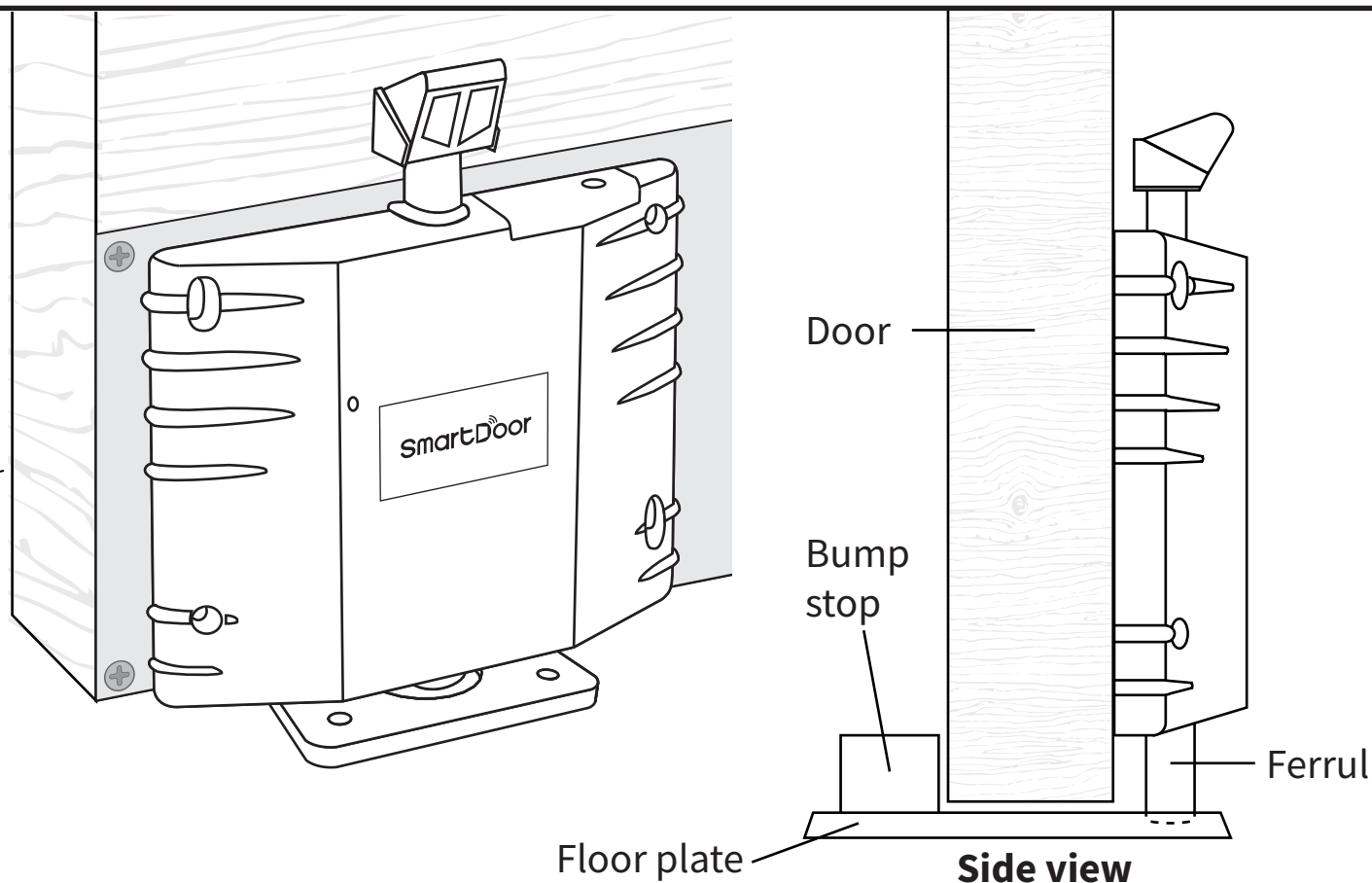
Drill fixing positions



Fix unit to door



Position floor plate

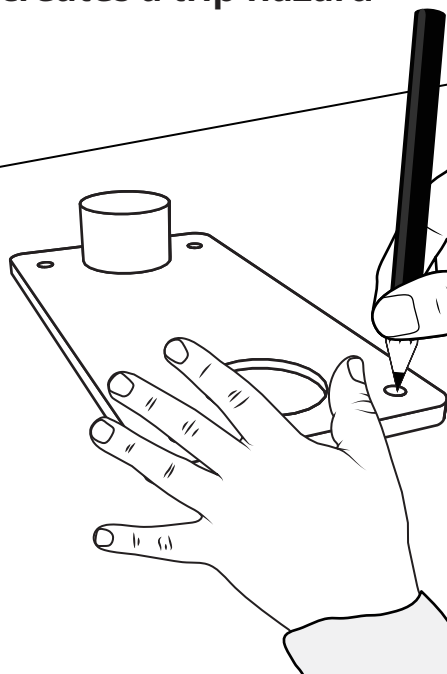


Mark floor plate fixing positions

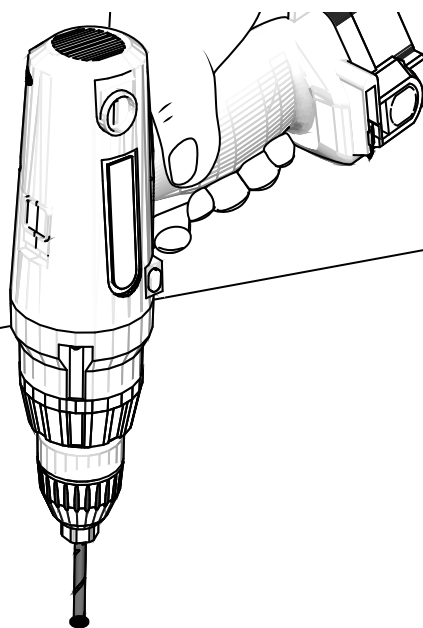
- Mark all four fixing positions.



Use small floor plate, if bump stop creates a trip hazard



Drill floor plate fixing positions



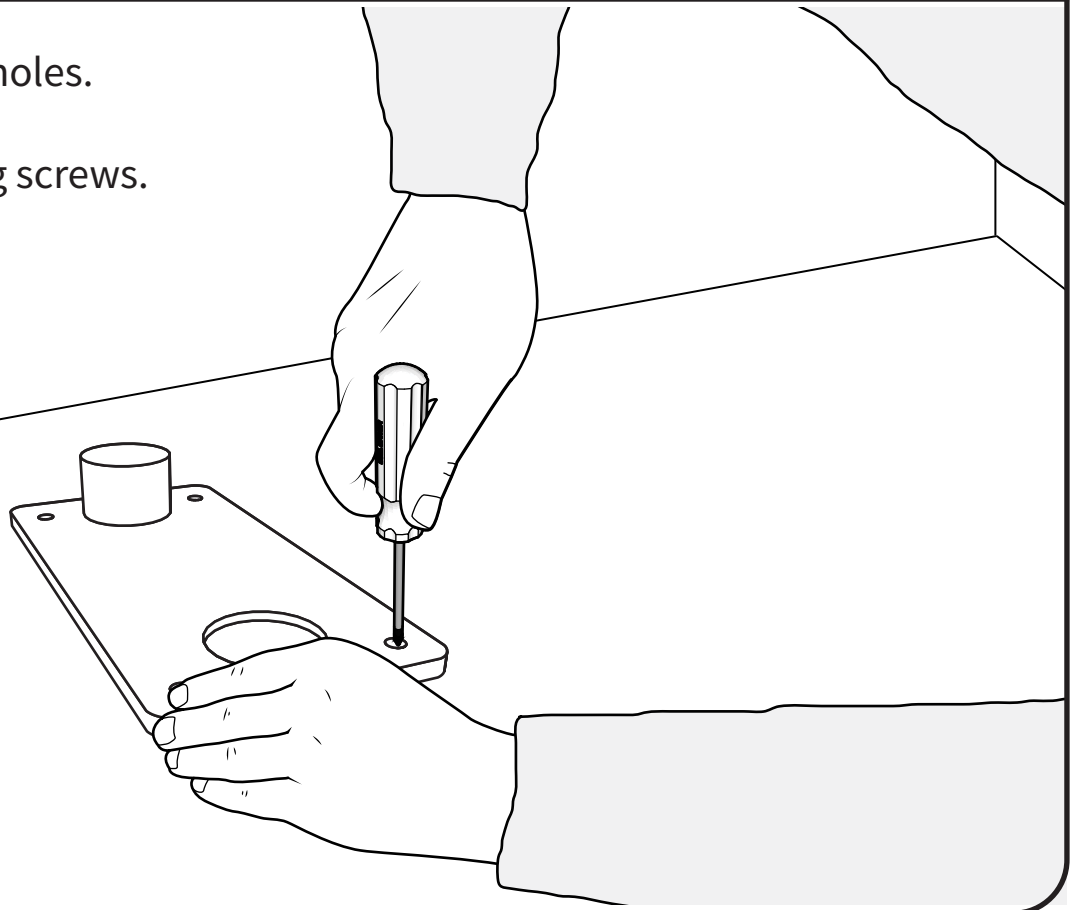
 = 6 mm



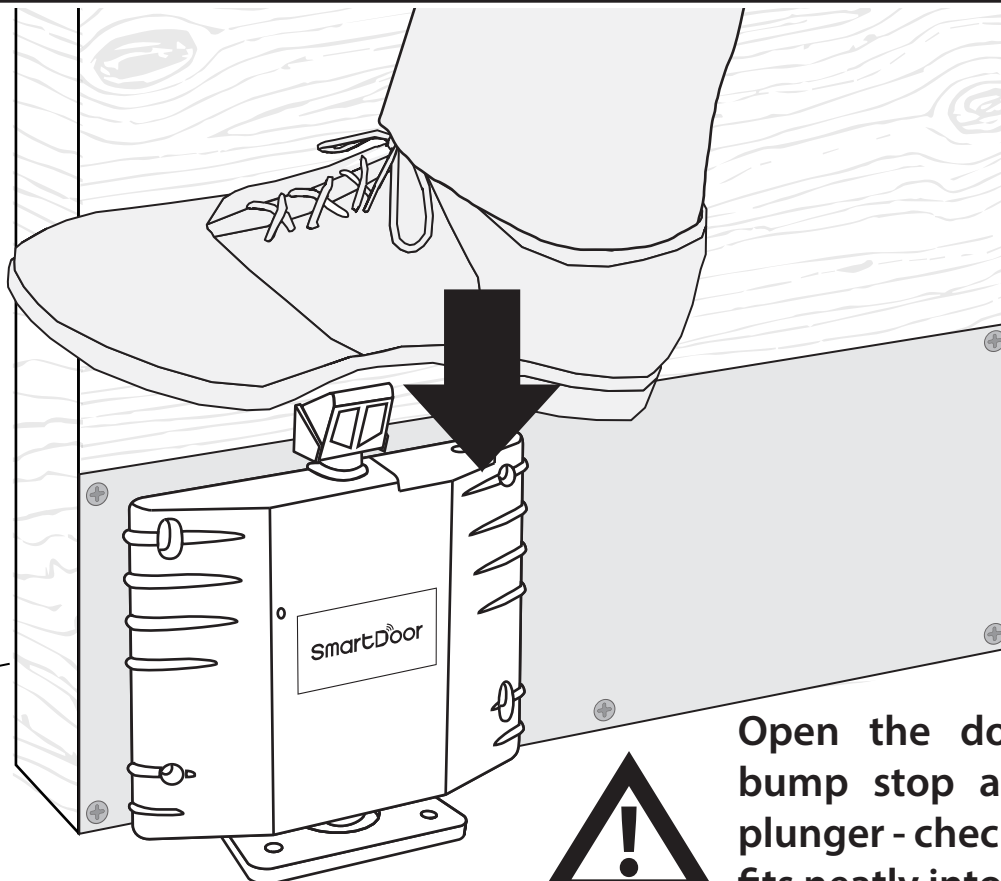
Before drilling, check locations of water pipes, gas pipes & electrical cables

Fix floor plate to floor

- Use all four fixing holes.
- Use supplied fixing screws.



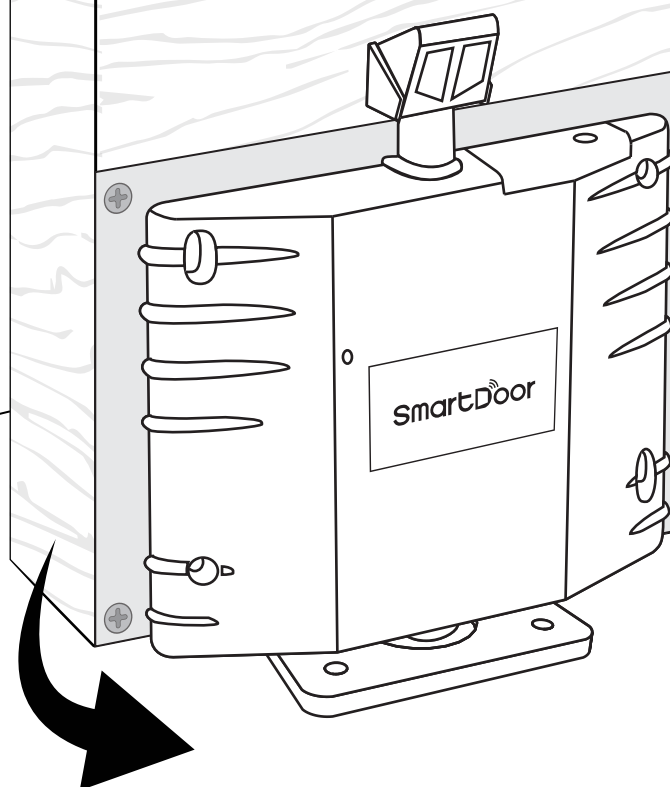
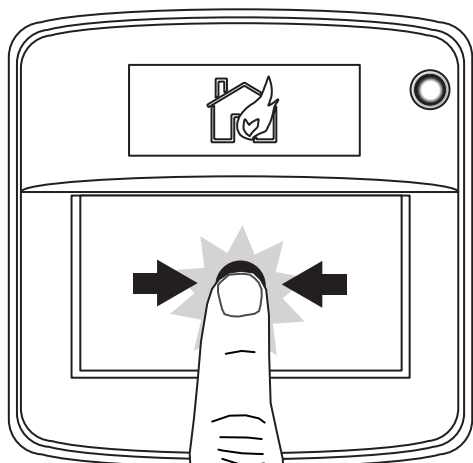
Open fire door & depress plunger



Open the door against the bump stop and depress the plunger - check that the ferrule fits neatly into the recess



Test device



Troubleshooting

In the rare event of an issue with the device's operation, refer to the points below:

Device is not releasing upon a fire alarm condition?

- Check that the device is added correctly to the system and that it is fault free at the SmartCell control panel.
- Check that the door closes freely when closed manually.
- Check that the plunger has a minimum of 10 mm clearance between the ferrule and the floor / floor plate.
- Check the SmartDoor's output properties are set correctly within the control panel programming.

Why does the fire door not close freely?

- Check that the ferrule is not worn or damaged. Replace as necessary.
- Check that the plunger has a minimum of 10 mm clearance between the ferrule and the floor / floor plate.

Device is not holding the door in an open position

- Check that the plunger is depressed fully.
- Check that the device is added correctly to the system and fault free at the control panel.
- Check that the device is positioned low enough for a good connection between the ferrule and the floor plate. The optimum plunger movement is 10 - 15 mm.

Device is in tamper fault?

- Check that the device is fixed correctly to the door.
- Check that the surface is flat and that the tamper switch is engaging correctly, when the device is fixed to the door.

Battery fault / device is not powered?

- Check the polarity and the voltage of the batteries.
- Check that the battery cover is fitted correctly.

Device tone and flash indication

In addition to fault reporting at the control panel, SmartDoor has various beep and flash sequences to indicate a number of conditions.

During device start-up sequence / motor operation

Beep sequence	Flash sequence	Indicative meaning	Action required
Low-Low-Low	None	Start-up complete	None
High-High-Low <i>(repeated until resolved)</i>	Red-Red <i>(on first two beeps only)</i>	Motor fault	Remove and re-insert batteries
High-High-High-High-Low-Low-Low-Low	Red-Red-Red-Red <i>(on first four beeps only)</i>	Internal fault <i>(non-serviceable part)</i>	Remove and re-insert batteries <i>(If fault persists, return to manufacturer)</i>
None	Red-Green	Battery pack low / incorrectly inserted <i>(2x C batteries)</i>	Replace / remove and re-insert batteries <i>(as appropriate)</i>

During standard operation

Beep sequence	Flash sequence	Indicative meaning	Action required
Low-Low-High <i>(repeated until the plunger releases)</i>	Red <i>(on low beeps only)</i>	Plunger fault	Check for obstructions to the plunger
High-Low-Low-Low <i>(repeated until resolved)</i>	Red <i>(on first sequence only)</i>	Internal fault <i>(non-serviceable part)</i>	Remove and re-insert batteries <i>(If fault persists, return to manufacturer)</i>
High-Low <i>(seven times, then door releases)</i>	Red <i>(on first beep in sequence only)</i>	Door is about to close†	Move away from the doorway

† Door closing can be as a result of many factors such as a fire condition, a loss of communication or a battery critical condition. Refer to the control panel for details.

Specification

Operating temperature	-10 °C to 55 °C
Storage temperature	5 °C to 30 °C
Humidity	Up to 95% non-condensing
Supply	2x C Alkaline (Panasonic LR14AD Powerline / Varta 4014 Industrial)

CAUTION!

- This is a life safety product. Only use manufacturer approved battery types. Failure to do so may result in damage to the product.
- DO NOT mix batteries of different type or age.
- When replacing batteries; remove all old batteries before fitting replacements.

Supply voltage	2.22 to 3.3 VDC ---
Current consumption	60 µA
Operating frequency	868 MHz
Output transmitter power	0 - 14 dBm / 0 - 25 mW
Signalling protocol	X5
Dimensions (W x H x D)	195 x 205 x 45 mm
Weight	0.5 kg
Location	Type A: For indoor use
Max. hold open power size	7
Max. door leaf width	1600 mm
Max. test door mass	160 kg
Max. overload test drop weight	36 kg
Max. test door friction	0.8 Nm
Min. angle between door open and closed positions	66 °

Note: SmartDoor is not for use on metal doors.

Regulatory information

Manufacturer

KGS Manufacturing Poland Sp. z o.o.
Ul. Kolejowa 24. 39-100 Ropczyce, Poland

Year of manufacture

See devices serial number label

Certification



DoP number

0905-CPR-202117

Approved to

BS EN1155:1997. Incorporating Amendment No. 1 and Corrigendum Nos. 1, 2 and 3.

BS 7273-4:2007. Code of practice for the operation of fire protection measures – Part 4: Actuation of release mechanisms for doors. (Category B)

EN54-25:2008. Incorporating corrigenda September 2010 and March 2012. Fire detection and fire alarm systems. Part 25: Components using radio links.

European Union directives

EMS declares that the radio equipment type SmartDoor is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.mysmartcell.com



2012/19/EU (WEEE directive):

Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see www.recyclethis.info

Dispose of your batteries in an environmentally friendly manner according to your local regulations.

SmartCell

www.mysmartcell.com