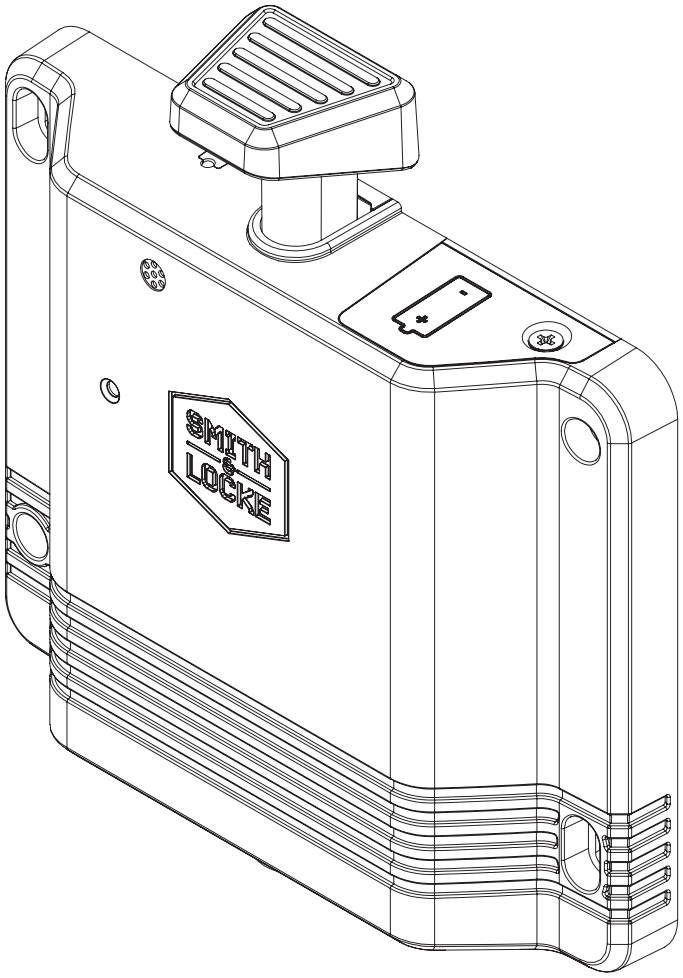
EN Fire door retainer



EN **IMPORTANT -** These instructions are for your safety. Please read through them thoroughly prior to handling the product and retain them for future reference.

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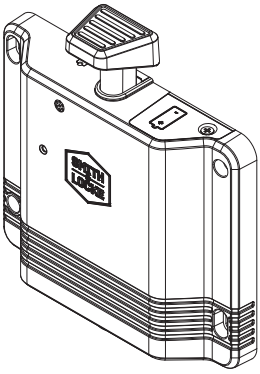
EN Parts



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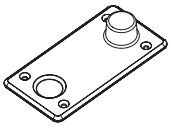

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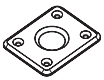
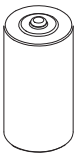
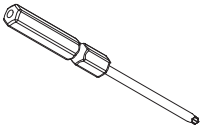


03. x1

04. x4

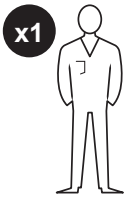


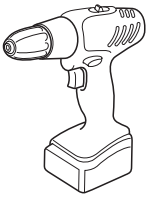
05. x2

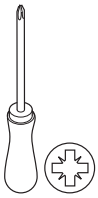


06. x1

EN You will need







EN Contents

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Guarantee	5
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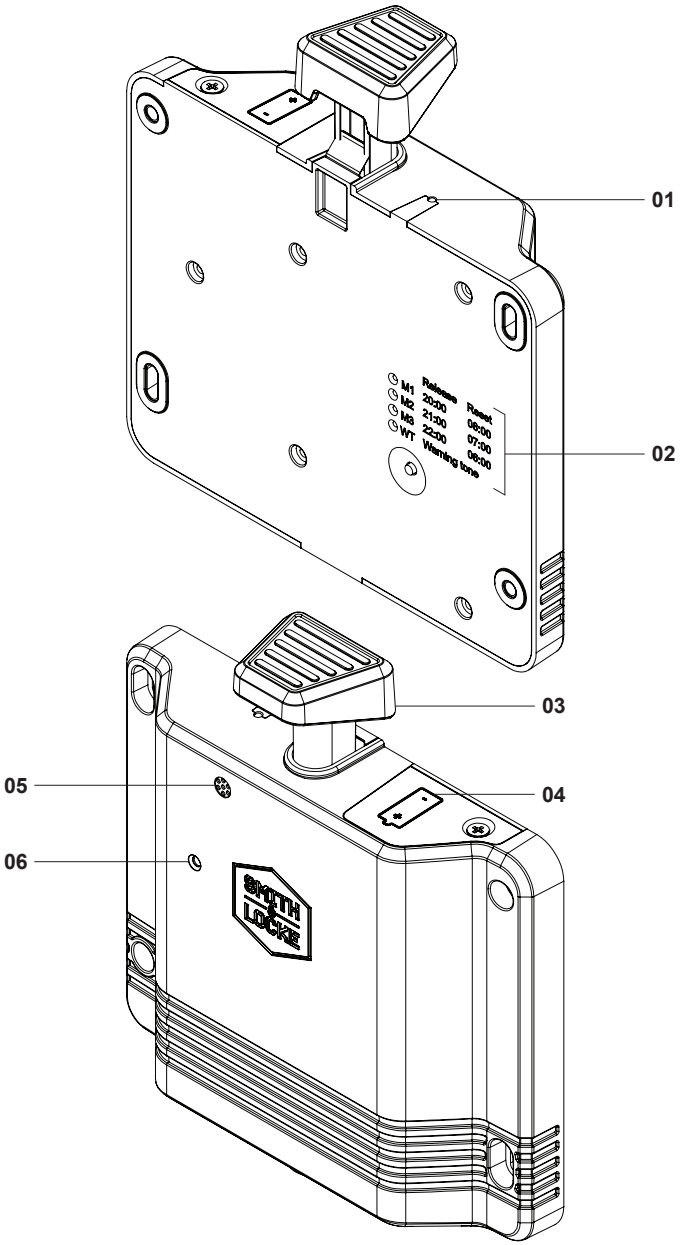

EN **1.** Indicator LED **2.** Timed release setting **3.** Plunger **4.** Battery compartment **5.** Microphone **6.** Sensitivity adjustment

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EN
Before you start

- Ensure the door is has a fully functioning door closer fitted.
- The floor underneath the door is flat and level.
- The gap between the bottom of the door and the floor is no less then 5 mm, to allow the door to pass over the floor plate.
- The door opens to an angle of more than 65°.
- The fire alarm system is audible at a level over 65 dB at the installation location.
- Set the functions of the retainer before fitting to the door. Refer to functions and settings section for details.

Technical data

	For indoor use only.
CE	This product complies with conformity requirements of the applicable Europea Regulations or Directives.
UK CA	This product complies with conformity requirements of the applicable UK Regulations.
	Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or local store for recycling advice.
xxWyy	xx-year; yy-week of the year

Product classification

According to EN1155, this product has the following classification:

3	5	7 3	1	1	2

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Guarantee

We take special care to select high quality materials and use manufacturing techniques that allow us to create products incorporating design and durability. This product has a manufacturer's guarantee of 2 years against manufacturing defects, from the date of purchase (if bought in store) or date of delivery (if bought online), at no additional cost for normal (non-professional or commercial) household use.

To make a claim under this guarantee, you must present your proof of purchase (such as a sales receipt, purchase invoice or other evidence admissible under applicable law), please keep your proof of purchase in a safe place. For this guarantee to apply, the product you purchased must be new, it will not apply to second hand or display products. Unless stated otherwise by applicable law, any replacement product issued under this guarantee will only be guaranteed until expiry of the original period guarantee period.

This guarantee covers product failures and malfunctions provided the product was used for the purpose for which it is intended and subject to installation, cleaning, care and maintenance in accordance with the information contained in these terms and conditions, in the user manual and standard practice, provided that standard practice does not conflict with the user manual.

This guarantee does not cover defects and damage caused by normal wear and tear or damage that could be the result of improper use, faulty installation or assembly, neglect, accident, misuse, or modification of the product. Unless stated otherwise by applicable law, this guarantee will not cover, in any case, ancillary costs (shipping, movement, costs of uninstalling and reinstalling, labour etc), or direct and indirect damage.

If the product is defective, we will, within a reasonable time, replace or refund.

Rights under this guarantee are enforceable in the country in which you purchased this product. Guarantee related queries should be addressed to the store you purchased this product from.

The guarantee is in addition to and does not affect your statutory rights.

IMPORTANT - RETAIN THIS INFORMATION FOR FUTURE REFERENCE: READ CAREFULLY.

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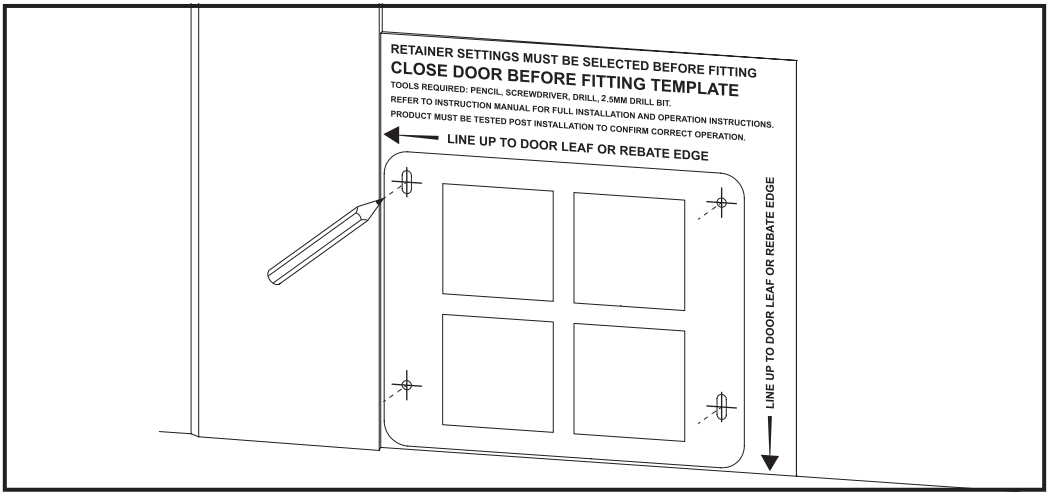
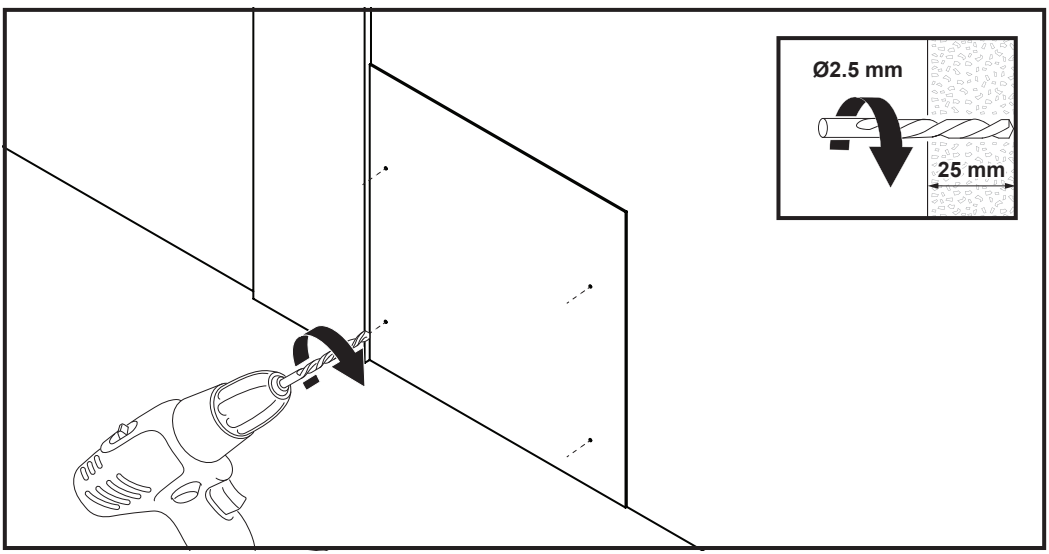
01



EN Align fitting template card to the door frame and bottom edge of the door, making sure that the arrows line up with the lock edge of the door and not the hinge side.

02



EN Mark and drill the two slotted fixing positions. Use 2.5 mm drill bit to drill pilot hole to depth of 25mm.

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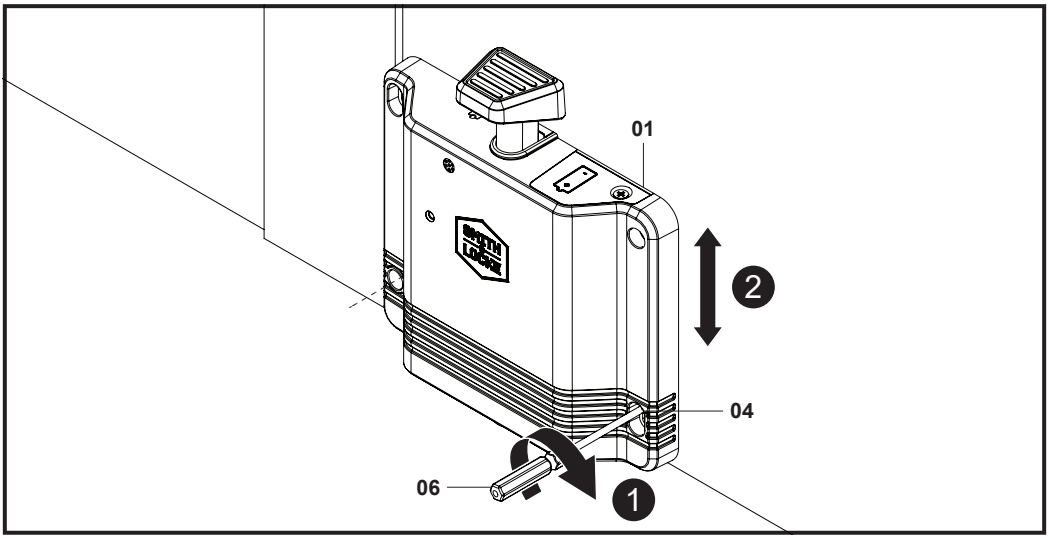
03

01. x1

04. x2

06. x1

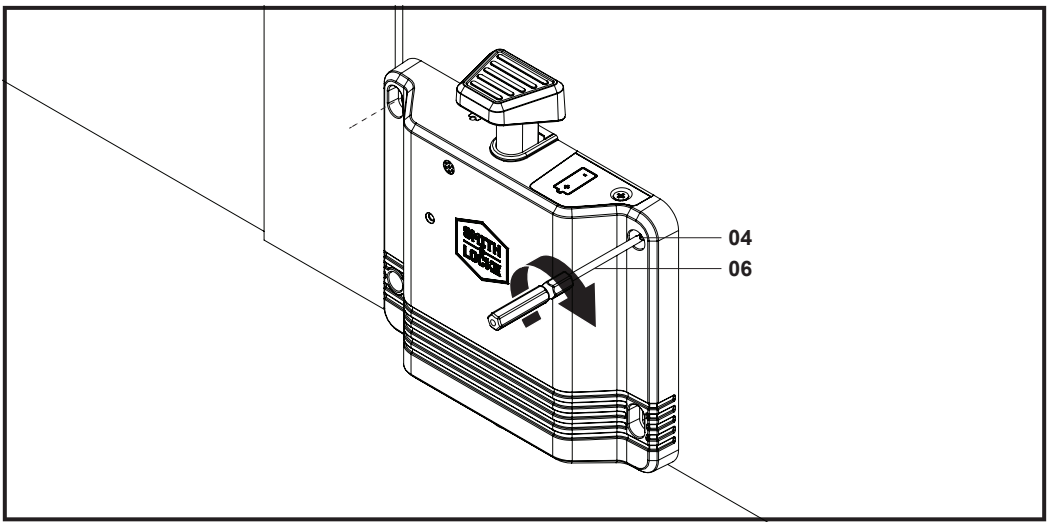


EN Fix the doorstop to the door, using the two pre-drilled fixing holes. Check that the plunger contacts the floor correctly and move the retainer up/down within the slots if required.

04

04. x2

06. x1



EN Once the retainer is positioned correctly, drill pilot holes for the remaining two fixings and screw into place. Ensure all four screws are tight.

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05

EN Fit the floor plate.

- There are two floor plate options – with and without door stop. The floor plates are sold separately.
- The floor plate should be fitted in a position with the door at an angle greater than 65°.
- Slide the floor plate under the door and align with the retainer. Check alignment by depressing the plunger. The plunger should sit within the recess of the floor plate.
- Mark position of the floor plate fixing holes.
- Fix floor plate to floor using suitable fixings for the floor type. Check the area for water pipes and electricity cables before drilling any fixing holes.

06

EN Perform a fire alarm response test as described in the operation section. Some sensitivity adjustment may be required.

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Functions and settings

This fire door retainer is a battery-operated device designed to safely and legally keep fire doors open. The retainer continuously monitors sound and will release the fire door if an alarm sounds at a volume greater than 65 decibels, for a period of twenty seconds or more.

Failsafe mode

The Fire Door Retainer continuously monitors the battery level, to ensure safe operation. When low battery power is detected, the device will emit a warning tone and release the door.

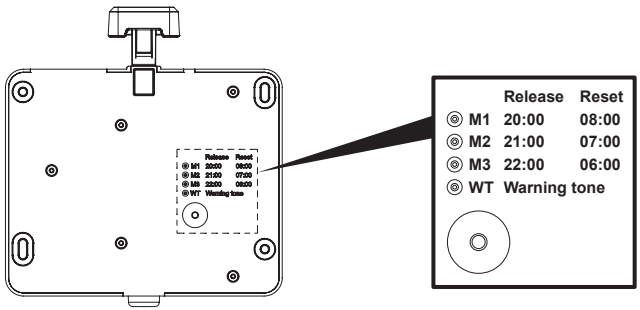
If an internal fault is detected, the retainer will enter failsafe mode.

Setting the clock

Each time the retainer is powered on by inserting a battery, it will set the internal clock to 12:00 noon. The internal clock does not automatically account for daylight saving time. Each time the battery is removed and re-inserted the internal clock will reset to 12:00.

Timed release

The Fire Door Retainer may be used to retain a fire door continuously; however, it is recommended that the fire door is closed at night. To assist with this, the retainer can be set to release at a set time every day. The timed-release function is set using the button on the rear of the product and must be set before fitting the retainer to the door.



Short press the button to wake up the function indicator LEDs and display the current setting.

Short press the button again to scroll through the four timed release settings shown in the table below. The warning tone can be set to on/off by pressing and holding the button for five seconds. It is recommended to leave the release warning tone on unless the retainer is being fitted in an area where the release tone could disturb occupants.

LED indicator	Release time	Reset time	Release warning tone
M1 LED is illuminated, M2 and M3 are off.	20:00	08:00	Can be set to on or off
M2 LED is illuminated, M1 and M3 are off.	21:00	07:00	Can be set to on or off
M3 LED is illuminated, M1 and M2 are off.	22:00	06:00	Can be set to on or off
M1, M2 and M3 are off.	N/A	N/A	Warning tone off

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When the battery is installed, the retainer will emit a long beep followed by a series of beeps to indicate the current timed-release setting, as described in the table below.

Sound	Function	Warning tone
High tone, low tone, low tone, high tone	M1	ON
Low tone, high tone, low tone, high tone	M2	ON
Low tone, low tone, high tone, high tone	M3	ON
High tone, low tone, low tone, low tone	M1	OFF
Low tone, high tone, low tone, low tone	M2	OFF
Low tone, low tone, high tone, low tone	M3	OFF

Self-test

The retainer conducts a self-test 12 hours after battery installation and then every 7 days after that. If the fire door is retained when the self-test occurs, the door will be released.

Warning tone / LED indicator

Warning tone sequence	LED flash sequence	Meaning	Action required
During power up			
LoHi – LoHi – LoHi	None.	Indicates battery cover is open during power up.	Close battery cover.
Long tone (5 seconds)	Long LED flash (5 seconds)	Indicates power up test.	None.
During normal operation			
None.	LED flashes every 30 seconds.	System working correctly.	None.
None.	LED flashes every 1 second.	Retainer is sensing an alarm or sound in excess of 65 dB.	If no alarm is sounding, the sensitivity may need to be adjusted.
HiLo – HiLo repeating for 20 seconds.	Continuous flashing	Door is about to be released. **NOTE:** If warning tone has been turned off, warning tone will not sound.	Stand clear of door.
Low tone for 10 seconds.	Long LED flash (10 seconds)	Retainer re-setting.	None.

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Warning tone sequence	LED flash sequence	Meaning	Action required
Error modes			
LoHiLo – LoHiLo repeating	None.	Indicates battery cover isn't fully closed.	Screw down battery cover.
LoHiLo – pause 2 seconds – LoHiLo repeating.	**** – pause 2 seconds – **** repeating	Possible fault with motor.	• Check ferrule is not worn or damaged. Replace if necessary. • Release tension on fixing screws and check retainer is positioned flat against the door with no obstructions. • Replace batteries.
HiHiLoLo - pause 2 seconds – HiHiLoLo repeating	**** – pause 2 seconds – **** repeating	Indicates possible Plunger movement fault.	Same as above.
LoLoHi - pause 2 seconds – LoLoHi repeating	*** – pause 2 seconds – *** repeating	Indicates possible problem with Battery insertion.	Same as above.
HiHiLoHiHi - pause 5 seconds – HiHiLoHiHi repeating	***** – pause 2 seconds – ***** repeating	Low Battery mode or miscellaneous error.	Same as above.

Operation

Battery installation

WARNING:

- Only C Type 1.5 V (LR14) alkaline batteries should be used.
- It is recommended that batteries are replaced every 12 months.
- Keep the batteries out of the reach of children.
- Store unused batteries in their original packaging.
- Remove exhausted batteries from the product.
- Despose of batteries responsibly. DO NOT dispose of batteries in a fire. Batteries may explode or leak.
- DO NOT mix new and used batteries and/or battery types.
- DO NOT short circuit the battery terminals.

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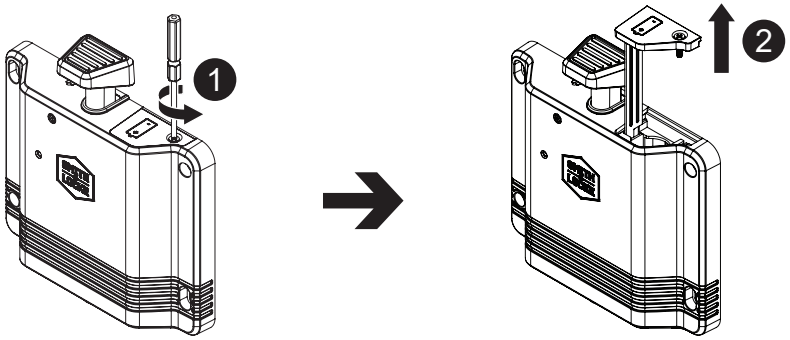
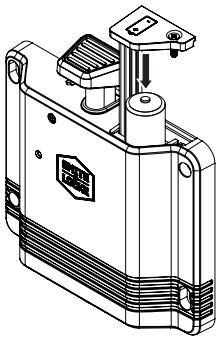
Step 1: Un-screw the battery compartment retaining screw and pull to slide the compartment open.

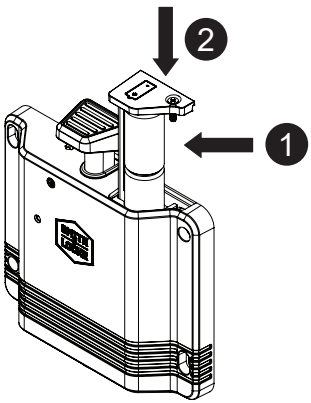
NOTE: The battery compartment is retained inside the unit. Take care not to pull out too hard as this may damage the unit.



Step 2: Install the first battery, positive end up, as shown.



Step 3: Install the second battery, positive end up, as shown. Then close the compartment and tighten the securing screw. Take care not to over tighten the screw, as this could damage the cover.



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Retaining the door

To retain the door:

1. Open the door to the desired position.
2. Depress the plunger using your foot. The pressure required will vary depending on the floor surface.
3. Whilst depressing the plunger, pull the door gently in the direction of closing.
4. Remove your foot and let go of the door.

Manual release

To manually release the door retainer, lightly tap the plunger towards the fire door with your foot or push the door in the direction of opening.

Fire alarm response test

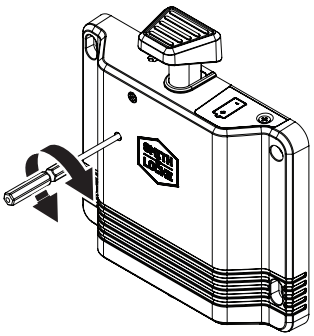
Once the retainer is properly installed onto the fire door, operation of the retainer must be tested. To test, follow the steps below.

1. Retain the fire door in an open position, using the retainer.
2. Trigger the fire alarm for a minimum of 30 seconds.
3. Within 4 seconds the LED indicator on top of the product should begin to flash once per second.
4. Before releasing the door, the retainer will emit a HiLo warning tone eight times.
5. After the alarm has sounded for twenty seconds, the door should be released. If the door does not release, refer to the warning tone/LED indicator table.
6. The retainer will reset 10 seconds after the fire alarm has stopped.

If the retainer fails to react to the fire alarm, the sensitivity will need to be adjusted. Alterations to the environment may alter the audibility of the fire alarm so it is recommended to re-test the retainer following any changes e.g. new carpets or new furniture close to the fire door.

Sensitivity adjustment

The sensitivity of the retainer may need to be adjusted to suit the installation environment. The sensitivity adjustment range is 62-70 dB. Use the screwdriver provided to adjust the sensitivity of the retainer. Take care not to over adjust as this will render the unit inoperative.



To adjust the sensitivity, follow the steps below:

1. Turn the screwdriver five degrees in the clockwise direction to increase the sensitivity or five degrees in the anticlockwise direction to decrease the sensitivity.
2. Conduct a fire alarm test.
3. Repeat the adjustment and re-test if necessary.

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Preventative maintenance and regular testing will ensure your retainer is always working properly and will help to extend its operating life.

Weekly

Check that the retainer plunger is depressed and is holding the door open. Sound the fire alarm and within 4 seconds the LED indicator on top of the product should begin to flash once per second. After the alarm has sounded for twenty seconds, the door should be released. If the door does not release, refer to the warning tone/LED indicator table.

Monthly

Carry out weekly maintenance and in addition:

Remove dust from the unit, check that the microphone hole isn't blocked with dust/dirt and clean by wiping with a slightly damp cloth if necessary.

6-Monthly

Carry out monthly maintenance and in addition:

- Check the condition of the ferrule.
- Check that the unit is securely fitted to the door. Tighten the fixing screws and replace the ferrule if necessary.
- Replace the batteries.

Manufacturer:

UK Manufacturer:
Kingfisher International Products Limited,
1 Paddington Square, London, W2 1GG,
United Kingdom

EN www.diy.com
www.screwfix.com
www.screwfix.ie
To view instruction manuals online, visit www.kingfisher.com/products

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