Fireco

Compliance Made Easy

Dorgard Installation and Operating Guide

There are two variants of the Dorgard Original.

If your Dorgard has this label on the front then please continue with this operating guide.

If your Dorgard has this label on the front then please refer to the previous operating guide by clicking the hyperlink below:

2021-10-25 Dorgard Installation & Operating Guide

Dorgard is a battery-operated device designed to hold open a fire door safely and legally. Dorgard will automatically release upon 'hearing' the fire alarm for 20 seconds.

It must be used in conjunction with a suitable fire alarm system with automatic detection and fitted to a fire-rated door that mechanically self-closes. When installed correctly, Dorgard complies with BS 7273-4 Category B.

A. Preparation

1. To power up the Dorgard, undo the battery lift, next to the plunger. Fit the 2 x C Cell batteries positive side up. Screw the battery lift down. Dorgard will boot-up, show a green LED for 2 seconds and beep twice.

   If the unit does not boot-up like this, see H - troubleshooting.

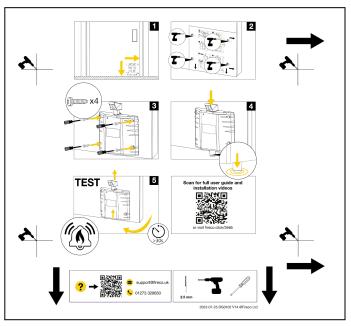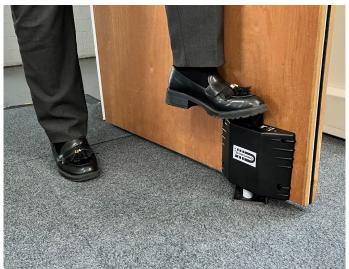**Important** - do not over-tighten the screw.

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B. Installation

Dorgard Installation video can be found by clicking the hyperlink below:
Dorgard - Installation

Or follow the instructions below:

1. Dorgard must be fitted on the open face of the door.

2. Place the installation template against the outer edge of the door, with the bottom resting on the floor.

3. Pilot-drill the 4 holes (3mm drill bit).

4. Fix the Dorgard to the door using the 4 black wood screws provided. Starting with the 2 slotted holes allows for adjustment up or down, should the floor be uneven or sloping.

5. Open the door and push the plunger down using the side of your foot. Check that the rubber foot makes good contact with the floor and retains the fire door firmly.

6. Release the plunger by lifting it up and check that the fire door still closes freely.

C. Floor plate Installation

Floor plates help to retain the door more securely, especially on slippery or uneven floors.
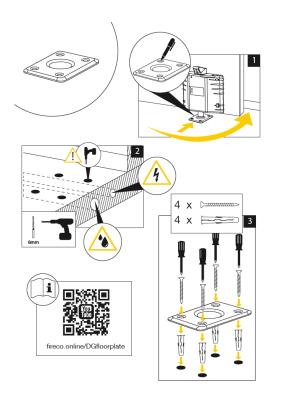
You can acquire these floor plates by scanning the QR code on the label you received with your Dorgard (see below) and ordering the required amount (free of charge) through Fireco.
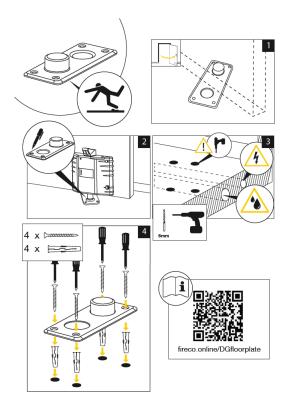

Choose the flat version if there is a risk of the bump stop causing a trip hazard.

1. In the open position, slide the floor plate under the door and line up the bottom of the plunger in the centre of the recess then swivel it around so that the bump stop is firmly against the back of the door.

2. Mark the 4 holes.

3. Check for pipes, cables, etc

4. Fix to the floor using the countersunk screws provided, and rawlplugs if concrete floor.

fireco.online/DGfloorplate

fireco.online/DGfloorplate

D. Test the Dorgard against the fire alarm

1. Depress the plunger to hold open the fire door.

2. Sound the alarm for 30 - 60 seconds.

3. The Dorgard will beep and flash as a warning before it releases.

4. The plunger will release and the door will close.

5. It is recommended that this test is carried out on a weekly basis.

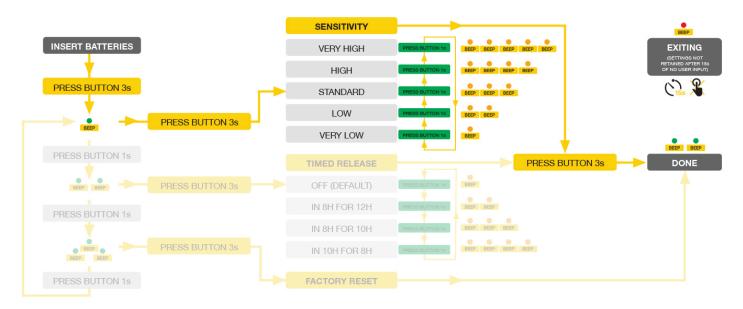6. If the Dorgard does not release, refer to the FAQ section (page 6).

E. Adjusting the sensitivity

The Dorgard is calibrated to release at 65dB(A) as this is the sound level requirement in the fire alarm standard BS 5839-1.

Follow the flow chart below for SENSITIVITY adjustment or follow the demonstration video by clicking on the hyperlink below:

Dorgard - Setting the sensitivity - Video

The programming button is at the front of the Dorgard and can be accessed by inserting a small screwdriver or equivalent into the hole - as shown in the image to the left.
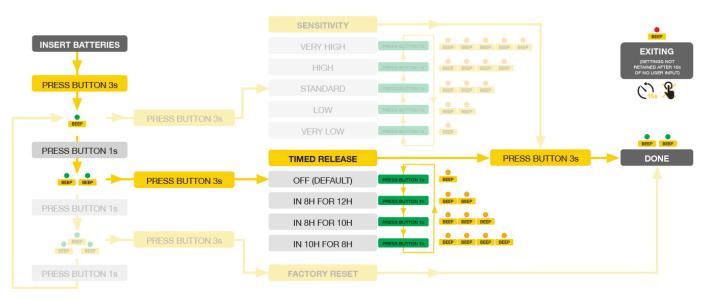
If the sensitivity has been reduced because the Dorgard is releasing to ambient noise, it is important to carry out a fire alarm test to ensure that the Dorgard still activates. If the sensitivity is increased, it is more likely that the Dorgard will respond to ambient noises. If the noise levels in the building are not suitable for acoustic Dorgard, you could consider Dorgard Pro, the radio-controlled version.

F. Setting the daily timed release function

Dorgard has an internal 24-hour timer that resets to 12 noon whenever the batteries are inserted. To set the Dorgard's timer to the actual time, always insert or re-insert the batteries at midday.

Follow the flow chart below for 'TIMED RELEASE adjustment or follow the demonstration video by clicking on the hyperlink below:

[Dorgard - Setting the timed release - Video](#)

Note: The timed release function will be removed if the unit is rebooted.

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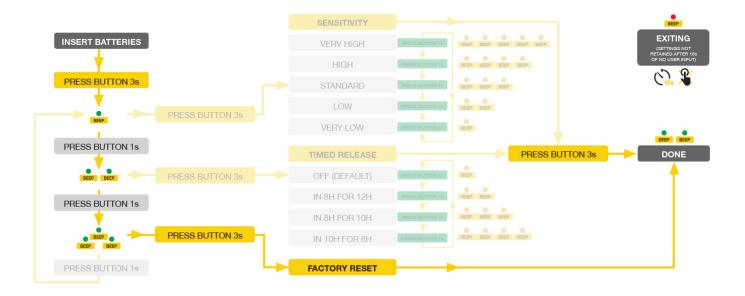
G. Factory reset

Dorgard can be factory reset to remove all existing programmed adjustments, including 'timed release' and sensitivity adjustments.

Follow the flow chart below for FACTORY RESET adjustment or follow the demonstration video link below:

[Dorgard - Factory reset - Video](#)

The programming button is at the front of the Dorgard and can be accessed by inserting a small screwdriver or equivalent into the hole - as shown in the image to the left.

H. Troubleshooting

1. <u>Why is my Dorgard releasing to other noises?</u>
   Some ambient noises that have a similar frequency range to an alarm sound or are louder than 80 dB for 14 seconds (eg a vacuum cleaner) may trigger the Dorgard to release. Try decreasing the sensitivity (see section E. Adjusting the sensitivity), but ensure that the Dorgard can still hear the alarm. If this is causing a problem, consider Dorgard Pro (radio response, rather than noise).

2. <u>Battery levels</u>
   - When the battery levels are low, Dorgard will first flash amber for 8 seconds, followed by 3 red flashes, before failing to safe, thereby releasing the door. After releasing, the LED will consecutively flash red 3 times every minute, indicating that the batteries are depleted and require replacement.

   Dorgard requires 2 x C Cell Alkaline batteries. A pack of 16 x C cell batteries can be purchased via this hyperlink: 16 x C cell LR14 Batteries webshop

3. <u>Why is my Dorgard beeping? What does it mean?</u>
   - As a safety precaution Dorgard will beep and flash amber for 6 seconds before releasing the door to a fire alarm.
   - *3 Red flashes every minute:* Replace the batteries.

4. <u>Why is my Dorgard not releasing?</u>
   Is the plunger jammed? Check for obstructions that could cause the plunger to become stuck down. Check the rubber foot for wear and tear, and if a floor plate is fitted, make sure the plunger is not getting jammed against the rim of the cup.

   If the Dorgard did not hear the alarm, increase the sensitivity (see section E. Adjusting the sensitivity). Note that this may make the Dorgard more likely to respond to other ambient noises.

5. <u>Why is my Dorgard not holding the door open?</u>
   If the plunger is staying down but the door is not holding, check for wear on the rubber foot and replace if necessary. If the door is creeping closed with the plunger down, consider fitting a floorplate.
   If the plunger is not holding down, check that the Dorgard is powered. If not fit 2 x C Cell batteries. A pack of 16 x C cell batteries can be purchased via this hyperlink:
   16 x C cell LR14 Batteries webshop

   If the Dorgard does not power on after fresh batteries have been inserted, then there is a fault with the unit and customer support should be contact via:
   Contact number: 01273 320650   Email: support@fireco.uk

I. Maintenance

How to maintain the Dorgard - best practices:

1. Weekly: Test the Dorgard against the fire alarm. Visual inspection for damage to the Dorgard and the floorplate.

2. Monthly: Check that the 6 small holes for the microphone on the front of the Dorgard are free from dust and dirt etc.

3. 6 Monthly: Check the rubber foot for wear and tear or damage, and replace if necessary. Check that the Dorgard and floorplate remain securely fixed.

4. Yearly: Carry out 6 monthly checks and replace the batteries.

Fireco offers annual maintenance plans to provide you with complete peace of mind and ensure your building remains safe. We will take care of your Fireco products, whether they are in or out of warranty, ensuring they are serviced, maintained, and compliant.

Contact Fireco Technical Support on 01273 320 650 or email via support@fireco.uk