

Dorgard Installation and 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

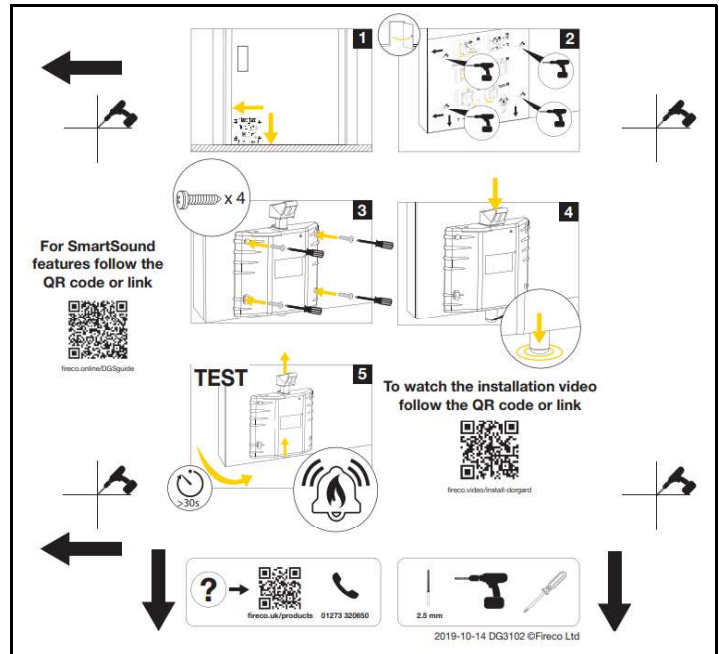
1. If you wish to use the optional timed release function, you will need to set the dip switches before fitting to the door. See section F. **Setting the daily release function**
2. To power up the Dorgard, undo the battery lift, next to the plunger. Fit the 2 x C Cell batteries positive side up. Screw the battery lift down and the motor will whirr.

Important - do not over-tighten the screw.



B. Installation

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.
7. Lastly, affix the fire door sticker at eye level.



C. Floor plate Installation

Floor plates help to retain the door more securely, especially on slippery or uneven floors. 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 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 rawl plugs if concrete floor.



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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.

If it is necessary to adjust the sensitivity, insert the small black screwdriver supplied with the Dorgard into the small hole on the front. Turn clockwise to increase or anti-clockwise to decrease. Be gentle and only turn a quarter of a turn at a time, then test.

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.



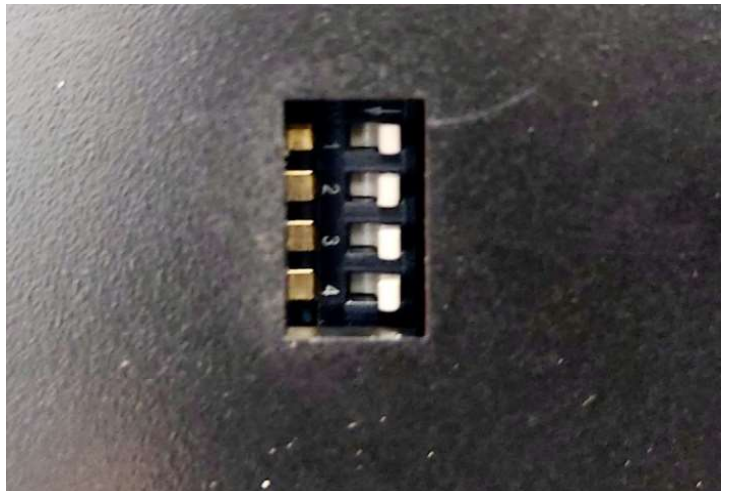
If the sensitivity is increased, it is more likely that the Dorgard will respond to ambient noises. If the noise levels in the building are not suitable for acoustic Dorgard, you could consider Dorgard Pro, the radio-controlled version.

F. Setting the daily 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.

To set the timed release function, select the appropriate dip switch as in the table below.



Choose the correct dip switch combination based on the desired release and reset times below:

Dip Switch	Hours to release	Release time (if set at 12 noon)	Hours to reset	Reset time (if set at 12 noon)
4	8	8 pm	12	8 am
3	9	9 pm	10	7 am
4 & 3	10	10 pm	8	6 am
2	Disables the timed release warning tone			
1	No function			

G. Troubleshooting

1. Why is my Dorgard releasing to other noises?

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. Why is my Dorgard beeping, what does it mean?

Dorgard will fail to safe and beep to alert you to a problem. The beep pattern will help diagnose what the problem is.

- *4 flashes and HiLoLoLo* beep every 17 mins indicates low battery. Replace the batteries.
- *A single beep* repeated every couple of seconds indicates an issue with the battery insertion. Make sure the battery compartment is screwed down securely, so the lid is flush to the top of the Dorgard. Make sure the lid is not damaged by an over-tightened screw.
- *HiHiHiHi LoLoLoLo* (4 hi 4 lo) repeated beep indicates a plunger fault. Check the rubber foot, and replace if worn. Check the operation of the plunger for any obstruction or jamming.

For other beep patterns and further assistance, please refer to our troubleshooting videos online.

3. Why is my Dorgard not releasing?

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 floorplate 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.

4. Why is my Dorgard not holding the door open?

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. If the plunger is not holding and the unit is also beeping, see section above.

H. 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 3 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 support@fireco.uk