



Dorgard
FIRE DOOR RETAINER

OVERVIEW

Fire doors are heavy and cumbersome and can prove a danger for young, elderly and disabled people. This is why 64% of premises visited by the fire service have wedged open fire doors. This can be extremely dangerous in the event of a fire and is a contravention of fire safety regulations.

Dorgard is the ideal solution, being a wireless unit it takes under 5 minutes for you to screw it to the bottom of the door. Dorgard will then hold your doors open at any angle allowing freedom of access throughout your building. Utilizing the latest in sonic technology Dorgard will listen for a continuous fire alarm of 65dBA or higher which once heard will close your doors for you.

Award winning Dorgard has been extensively tested to all European safety standards and its innovative technology means it only requires 2 C size batteries to operate. Manufactured in the UK and available in a variety of colours, Dorgard is the ideal solution to maintain safety within buildings.

Features:

- Wireless unit with fail-to-safe technology
- Improves access throughout buildings in line with the Equality Act 2010
- Available in Black finish
- Adjustable sensitivity
- Sleek Design
- Low Maintenance
- Easy install
- Automatic night-time release facility
- Complies with BS EN 1155
- Complies with BS 7273-4 category B
- CE marked

As with all fire safety devices, a Fire Risk Assessment should be carried out prior to installation



HOW DORGARD WORKS

Once installed, Dorgard works by listening out for a continuous sound of 65 decibels or higher. Once this sound has been identified, after approximately 14 seconds Dorgard will release the fire door and under the pressure of the overhead door closer the door will close, sealing the area and preventing the spread of smoke and fire.

As Dorgard is wire free it requires no wiring into the building's main fire alarm system meaning that disruption during installation is minimal and fast.

When Dorgard is holding a fire door open, it "listens" for the continuous sound of a fire alarm. Dorgard needs to "hear" a fire alarm that exceeds 65 decibels for longer than 14 seconds. At a general noise level of 80 decibels Dorgard will release. This facility has been built into the unit as a safety feature. Should the noise level in your premises exceed 80 decibels it is unlikely that you would hear a 65 decibel alarm, therefore the Dorgard releases the fire door to close.

TECHNICAL INFORMATION

Dimensions and weight

Overall height: 205mm

Main casing height: 150mm

Width: 195mm

Depth: 45mm

Packed kit weight: 950g

Product only (including batteries): 700g

Material and operating specifications

Casing: ABS

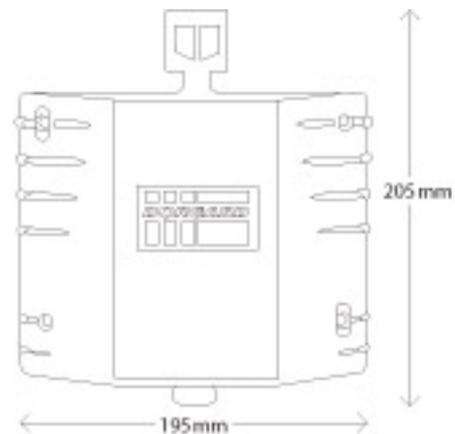
Power: 2 x 1.5v C size alkaline batteries (do not use rechargeable batteries)

Expected battery life: 12 months

Trigger: by alarms compliant with BS 5839-3

B J Waller Part Number:

36.00108



INSTALLATION

Installing Dorgard takes only a few minutes. It is completely wire free and battery operated.

Firstly open the top compartment of Dorgard using a screwdriver and install the batteries. The 2 C sized batteries supplied should last for at least 12 months.

It is recommended that fire doors are closed at night; therefore Dorgard has an automatic night-time release facility. To enable this select the night time dip switches on the back of the unit. Also note the serial number in the Maintenance Record, supplied in the Fitting & Operating guide.

With the door closed, position the fitting template provided against the door on the side that shuts against the frame. Mark the holes for fixing through the fitting template.

Fix Dorgard to the fire door using the four screws supplied. The correct position is when, with the plunger fully retracted, the door can swing free and with the Dorgard plunger depressed, contact with the floor or floorplate holds the door open.

Twelve hours after install and every 7 days after this point, Dorgard will self-test. Should Dorgard detect an internal fault it will sound a warning tone and fail-to-safe, closing the door.

Next fix the floorplate in a position that is in line with Dorgard.

Before drilling holes or fastening screws, check the location of water pipes, electrical points and gas pipes. Open the fire door to the desired position, stand sideways to the fire door and press down on the plunger to hold the fire door open. To release the door, kick the black knob.

Test your fire alarm to ensure that Dorgard releases the door. Finally, fix the fire door sticker.



LEGISLATION AND STANDARDS

Dorgard has been tested to and complies with the following standards:-

BS EN 155: 1997 Building hardware. Electrically powered hold-open devices for swing doors (Manufacturer's classification number 357113).

BS EN 1634-1:2008 Fire resistance and smoke control tests for door, shutter and openable window assemblies and elements of building hardware. Fire resistance tests for doors, shutters and openable windows.

EN61000-6-1:2001 Electromagnetic compatibility (EMC). Generic standards. Immunity for residential, commercial and light industrial environments.

EN61000-6-1-3:2001+A11:2004 Electromagnetic compatibility (EMC). Generic standards. Emission standard for residential, commercial and light industrial environments.

Guidance on specification can be found in BS 7273-4 Code of practice for the operation of fire protection measures. Activation of release mechanisms for doors. Dorgard is a Category B product.



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