INSTRUCTIONS FOR FLOOR MOUNTING FIRE DOOR RETAINER

GEOFIRE
FIRE SECURITY SOLUTIONS

This electromagnet fire door retainer is intended to hold open fire doors fitted with a suitable closing mechanism. The power supply to this door retainer must be controlled by the building's fire detection system. The door will be held open when power is supplied to the unit and released when power is disconnected. This fire door retainer should only be installed by a technically competent person.

Specifications

Standard Holding Force..	200 N	Current at 24 V dc……..	45 mA
High Force Version…….	500 N	Current at 24 V dc……..	93 mA
High Force Low Wattage.	500 N	Current at 24 V dc……..	47 mA
Residual Holding Force...	Zero.	Ambient temperature…..	0 to 35°C
Maximum Cable Size…..	2.5 mm^2	Door closer power size..	3 to 6

Mounting Instructions

1. Decide on suitable mounting positions for the magnet and the keeper plate. Refer to the table below for the minimum distance from the axis of the door hinge to the centre of the magnet. The black push switch (2) is used to release the door manually and should be easily accessible when the door is retained open.

Door closer size	3	4	5	6
Distance to hinge 200N	650	850	1050	1250
Distance to hinge 500N	400	500	600	750

2. A 20mm entry hole (1) is provided for surface mounted conduit or MICC. Alternatively, cable entry can be through the floor directly into the magnet housing.

3. Connect the 24V power cables to the terminal block inside the magnet housing (red +, black -).

4. Fit the housing to the floor using four suitable fixings. Ensure that the face of the magnet (3) aligns with the face of the door when the door is held open.

5. Fit the keeper plate assembly to the door so that it aligns with the magnet face. Note that the adjustable design of keeper supplied with some versions must have the rubber spacer fitted in the back of the mounting plate.

6. Connect the electrical supply and check the magnet will hold the door open. Check that the door closes when the fire alarm is triggered and when the release switch is pushed.

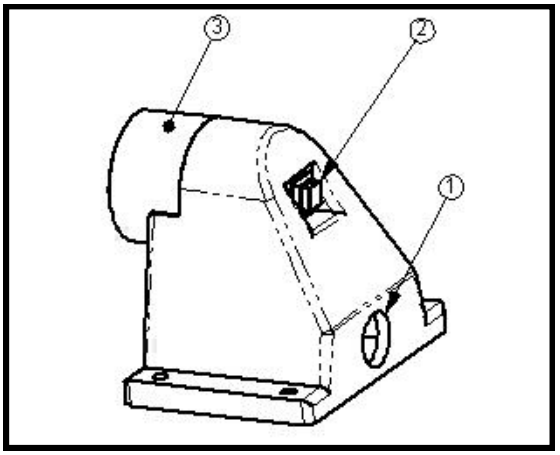
NOTE: Be sure that the action of the door retainer does not cause the door to become permanently warped and prevent it sealing in the closed position.

Maintenance

1. For optimum holding force, the face of the magnet and keeper plate should be kept clean and free from damage.

2. There are no user serviceable parts in this door holder. For repair, return the unit to the manufacturer.

3. Fire door holders should be tested weekly as part of the fire-system test procedures.



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