

### TS7 Door Retaining Magnet

	Stephenson Gobin Ltd Bishop Auckland England DL14 6XB	<b>06</b>
1123-CPO-AEB014	EN1155:1997 + A1:2002	3 5 6 1 1 3 3 3

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:

Rated Holding Force	200N	Ambient temperature	0 to 35°C
Current @ 24 Vdc	50 mA	Residual Holding Force	Zero.
Current @ 230 Vac	12 mA	Door closer power	Size 3 to 6
Maximum Cable Size (stranded)	2.5mm <sup>2</sup>		

#### MOUNTING INSTRUCTIONS:

- Decide on suitable mounting positions for magnet and the keeper plate. Refer to the table below for the minimum distance from the axis of the door hinge to the center of the magnet. The black push-switch (1) 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 from hinge	650	850	1050	1250

- This door-holder can be used in Flush mounting or Surface mounting applications. For Flush mounting applications, fit the magnet sub-assembly to a single-gang back box at least 30mm deep.

Check that any fixings used are strong enough to withstand the holding force of the door retainer.

- A floor-mounting bracket, in matching finish, is available separately.

- Connect the 24Vdc/230Vac power cables to the terminal block situated at the rear of the magnet, as indicated by the internal label. Fit the magnet to the back box with the two screws (4) provided.

230Vac versions **must** have an earth connection to the magnet & the mounting box. See diagram.

- Check that the rubber ring is fitted in the base plate before fitting the keeper plate assembly loosely to the door. Adjust the angle to align with the magnet and tighten the mounting screws to lock the plate in place.

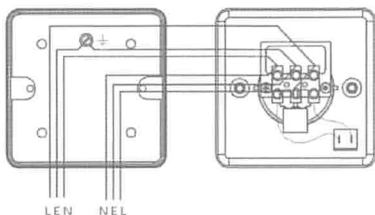
- Connect electrical supply and check the magnet will hold the door open. Check that the door closes when the fire alarm is triggered and when the release switch is pushed.

#### 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:

- Fire door holders should be tested weekly as part of the fire-system test procedures.
- For optimum holding force, the face of the magnet and keeper plate should be kept clean and free from damage.
- To comply with BSEN1155, this device should not be used to hold open a door at less than 65°.
- There are no user serviceable parts in this door holder. For repair, return the unit to the manufacturer.



230V Connection

Recommended Cable Length into Back-box = 100mm.

