

FITTING INSTRUCTIONS FOR DOOR RETAINER

This electromagnetic door retainer has been designed to hold open fire doors at a radius from the hinge where the closing force is less than 200 Newton. The spring loaded pin eliminates residual magnetism.

1- Specifications

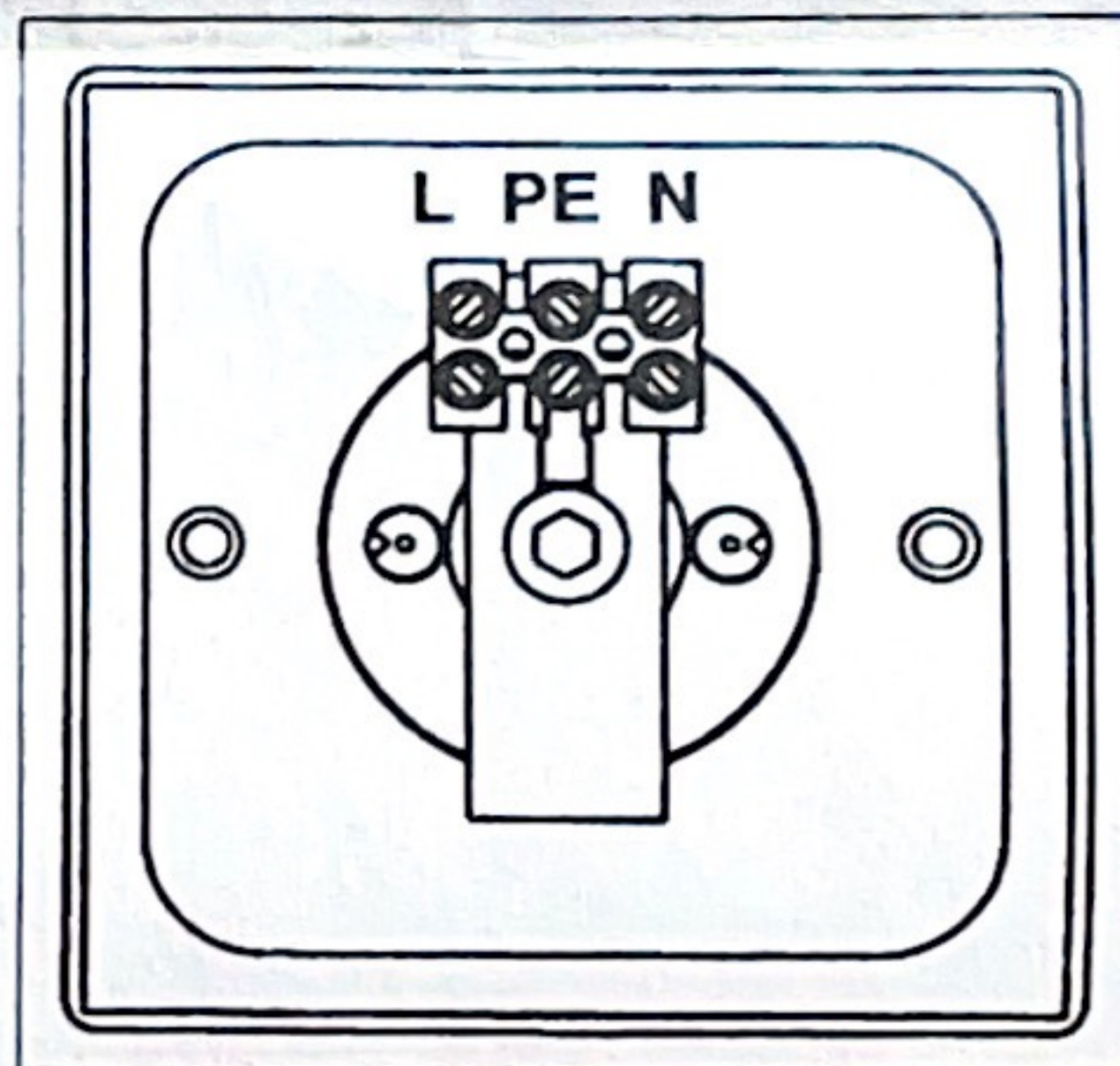
Nominal holding force 200 Newton
Minimum holding force 180 Newton
Residual holding force Zero
Ambient temperature ...0-40 degrees C
Maximum cable size 2.5 mm²

Built in fuse (optional).....500 mA
Current 24V DC +/- 15 %.....30 mA
Current 48V DC +/- 15 %.....16 mA
230V AC +/- 10 %.....20 mA

2- Content

Each individual pack includes:

- Magnet/cover assembly
in either 24 ; 48 VDC or 230V AC
- Mounting box
(for surface mounting version only)
- Screws (2 off)
- Swivel keeper plate
- Earth lead (for 230V AC version only)
- Fitting instructions



3-The door retainer can be mounted on any fixed and flat surface bearing in mind that the fasteners must be adequate to withstand the holding force of the door retainer. The magnet assembly and keeper plate should be mounted coaxially with the release button accessible when the door is held open. The door retainer should be applied to a door in such a position that the door is not permanently warped and unable to seal in the closed position.

4-Mounting instructions

4-1 Decide on the relative position of the magnet and swivel keeper plate. Orientate the keeper plate face to align with the magnet face and lock the keeper plate at the correct angle. Alignment between keeper plate and magnet should be within 2 mm.

4-2 Several "Knock outs" are provided for conduit or pyro entries, two on three sides of the mounting box and one on the back when using the floor mounting bracket (supplied separately).

4-3 230V AC units are insulation class I and the earth lead (GREEN / YELLOW) must be wired between the earth connector (PE) and the earth terminal on the metal mounting box. When pyro is used with a 230V AC unit, a separate earth lead must be connected from the gland to the earth terminal on the mounting box.

VERY IMPORTANT : all 230V AC units must be earthed. Always check earth continuity between all metallic parts after assembly.

4-4 24V DC and 48V DC units are insulation class III and do not require earthing.

4-5 Connect the two White leads fitted with 2.8 Faston connectors to the tags of the push button.

4-6 After completion of the wiring, place the magnet assembly over the box and secure it with the two screws provided.

4-7 Check the correct operation of the release button. Press to release.