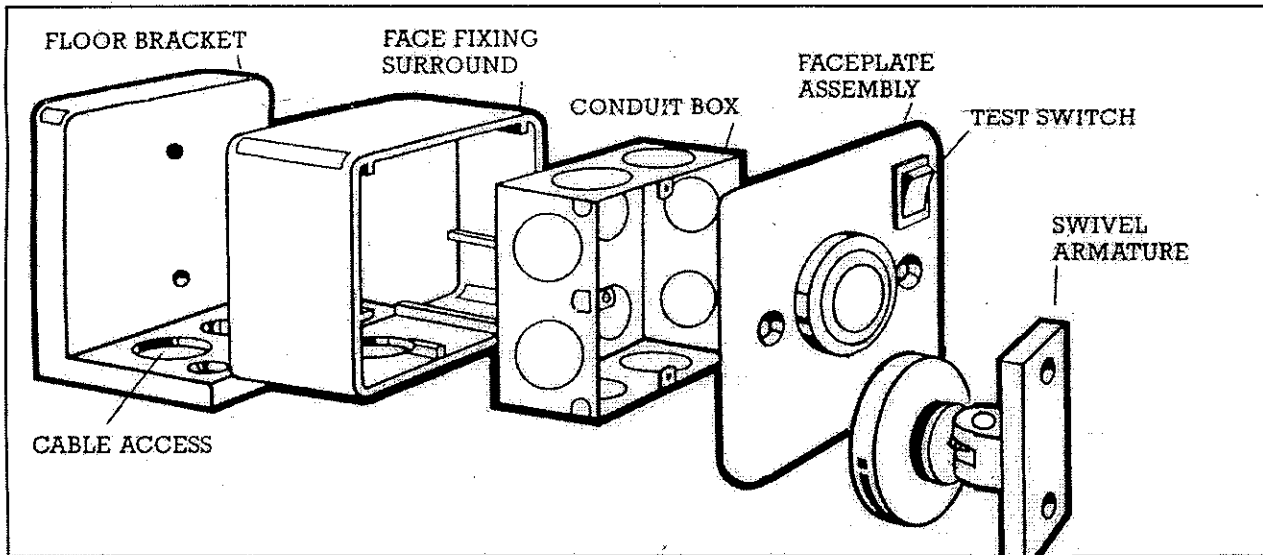


INSTALLATION INSTRUCTIONS

0500 ELECTROMAGNETIC DOOR HOLDERS

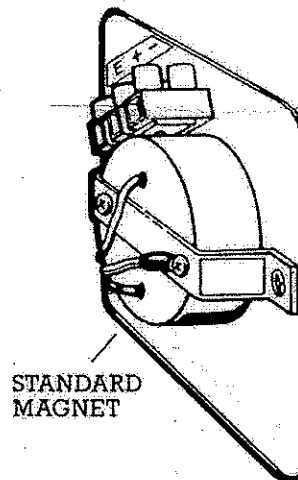


ELECTRICAL CONNECTIONS

TERMINALS

E	Ground
+	24 Volts
-	0 Volts

Rated 85mA @ 24 volts DC



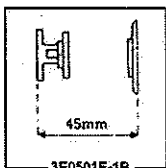
STANDARD MAGNET

A purpose made power supply unit 3E2401F-8-R is available to control up to 8 electromagnetic door holders, with a facility for connection to the fire alarm system.

FLUSH MOUNTING MAGNETS

1. Check that the door will open parallel to and within 25mm of the wall surface to which the magnet is to be fitted. The standard armature will compensate for a small degree of angle between the surfaces.

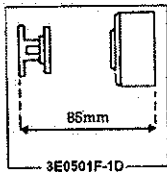
When the door does not lie parallel to the wall the swivel armature is used and the gap between door and wall at the point of contact is 45mm.



2. Use conduit box to mark outline on wall at required height, then cut socket to accommodate box.
3. Make provision for cable entry to align with one of the knock-out holes in the conduit box.
4. Drill holes for fixings and install conduit box using screws and plugs supplied.
5. Draw cable into conduit box.

Refer to magnet connection and armature installation details

SURFACE MOUNTING MAGNETS



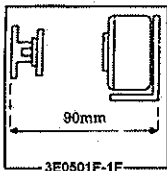
1. Check that the door will open parallel to and within 65mm of the wall surface the magnet is to be fitted to. The standard armature will compensate for a small degree of angle between the surfaces.

When the door does not lie parallel to the wall the swivel armature is used and the gap between door and wall at the point of contact is 85mm.

2. Use conduit box to mark outline on wall at required height.
3. Make a provision for cable entry to align with one of the knock-out holes in the base of the conduit box.
4. Drill holes for fixings and install conduit box using screws and plugs supplied.
5. Place surround over conduit box.
6. Draw cable into box.

Refer to magnet connection and armature installation details.

FLOOR MOUNTING MAGNETS



1. Open door to the desired hold-open position and wedge in place. The standard armature will compensate for a small degree of angle between the surfaces. When the door does not lie parallel to the floor bracket the swivel armature is used.

2. Mark fixing locations for floor-bracket.
3. Make provision for cable exit from floor to align with cable hole in floor bracket.
4. Drill holes for fixings and install floor bracket using screws and plugs supplied.
5. Fix conduit box or floor bracket using the two machine screws supplied.
6. Place surround over conduit box, ensuring cable entry hole is aligned with conduit box knock-out.
7. Draw cable into conduit box.

Refer to magnet connection and armature installation details.

MAGNET CONNECTION AND ARMATURE INSTALLATION

1. Make cable connections as per terminal layout diagram.
2. Fix magnet faceplate to conduit box using screws supplied. Ensure that cable is not fouled within the conduit box.
3. Remove backing from adhesive pad on armature base.
4. Hold armature face against magnet so that fixing holes are vertically aligned and the magnet face is fully covered.
5. Open the door to make contact with the adhesive pad which should hold the armature on the door and then fix the armature using the screws supplied.

TESTING

Test system by applying power to the magnet and then open the door so that the armature makes contact with the magnet. The magnet will then hold the door until power is interrupted or the door is manually pulled off the magnet. On models fitted with test buttons, the button should be used to interrupt power and release the door.

If the magnet does not hold the door open, overheats or hums, check the armature is making full contact with the magnet and that the supply voltage is as specified. The door closer may require adjustment to allow the magnet to hold the door open whilst still ensuring that the door closes correctly when released.