

FITTING INSTRUCTIONS WEATHER PROOF DOOR HOLDER

This electromagnetic door holder is intended to hold open doors fitted with a suitable closing mechanism. It is suitable for wall mounting in marine applications and also buildings where a high degree of environmental protection is required. The power supply to this door retainer should be switched by the installation control system. The door will be held open when power is supplied to the unit and released when power is disconnected. Read these instructions fully before starting work. This door retainer should only be installed by a technically competent person.

Specifications

Rated Holding Force	1200N
Residual Holding Force	20N max
Maximum Conductor Size	1.5 mm ²
Cable Diameter	6-8 mm
Ingress Protection	IP65

Power rating	24V dc	7 W
	230V ac	10 W
For other, voltages refer to the markings on the magnet for the power rating.		
Ambient temperature	0 to 50°C	

Mounting Instructions

1. Decide on a suitable mounting position for the magnet behind the open door position. Note that the closer the holder is mounted to the axis of the door hinge, the lower the holding moment produced. A separate release switch to interrupt the electrical supply to magnet should be positioned close by. Select suitable fixings to give a secure hold to the mounting surface.
3. Fit the keeper plate to the door so that when the door is in the open position, the plate meets the face of the magnet. For full holding force, the keeper plate should be concentric to the magnet face within 3 mm and parallel within 10°. The keeper is designed for fitting to steel doors. If fixing to a wooden door, fit a steel shim behind the mounting plate to avoid damage to the door surface.
4. Loosen the screw (1) on top of the connector socket and pull it free from the magnet. Prise out the base (2) of the socket with a thin screwdriver where marked "lift". Loosen the gland nut (3) and feed the supply cable through the cover. For a waterproof seal, the cable should be round and within the diameter specification.
5. Strip the cable insulation to expose 5 mm of conductor and fit to the connector terminals (4). Reassemble the socket and tighten the gland nut.

Note that all magnets over 90V must have a safety earth connection

6. Fit the socket to the magnet including the gasket (5). 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.

