

# MDR240, MDR24L - Conventional heavy duty door retainers



This range of heavy duty magnetic door retainers are robust and simple to install, making them ideal for a wide range of applications, such as nursing homes, hospitals, schools and industrial premises.

Two versions are available, the mains powered MDR240 which has a holding force of 40kg and the MDR24L 24V dc powered also with a holding force of 40kg.

Both versions enable doors to be held open under normal conditions but to be automatically released in the event of fire alarm activation when interfaced with the fire panel.

Their die cast aluminium construction with plastic front cover plate make them suitable for most applications.

Both versions are supplied with door mounted striker plates and can be fixed directly to a suitable wall, alternatively a floor bracket can be used to allow floor mounting.

## Features and benefits

- Heavy duty construction
- Mains and 24V dc version
- Manual release switch
- Optional floor mounting bracket available
- Quick and simple to install
- Slim profile unit

# Specifier's guide

## 4.4 Ancillaries

### Technical specification

Code	MDR240	MDR24L
Description	Mains powered heavy duty door retainer	24V dc powered heavy duty door retainer
<b>Specification</b>		
Operating voltage	230V ac to 240V ac	24V dc
Power consumption	1.2VA	40mA
Holding force	50kg	50kg
<b>Environmental</b>		
Operating temperature	-10°C to +55°C	-10°C to +55°C
Humidity (non condensing)	0 to 93% RH	0 to 93% RH
<b>Physical</b>		
Construction	PC/ABS	PC/ABS
Colour	White body / black plate	White body / black plate
Dimensions (H x W x D)	Magnet: 95mm x 95mm 40mm Striker plate: 65mm x 65mm x 48mm	Magnet: 95mm x 95mm 40mm Striker plate: 65mm x 65mm x 48mm
Weight	1.0kg	1.0kg
Ingress protection	IP40	IP40
<b>Compatibility</b>		
Suitable for use with	Eaton conventional fire systems	Eaton conventional fire systems

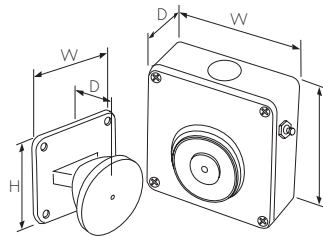
### Installation

1. Door retainer unit and striker plate should be fixed to a smooth surface.
2. A single 20mm cable entry facility is provided.
3. Door retainer can be rotated to provide cable entry at either top, bottom or side as required.
4. Fixings should be able to support at least double the holding force of the magnet.

### System functionality

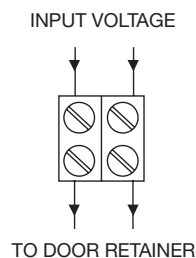
1. Designed to operate only with self closing doors.
2. Door retainer is fitted to wall or floor using floor bracket.
3. Striker plate is fitted to door.
4. Door retainer is fed with a constant supply via an external control device.
5. Supply energises an electromagnet, which holds the striker plate securely against the magnet.
6. If supply to magnet is interrupted, magnet will de-energise.
7. Door closes under control of its own self closing device.

### Dimensions



Description	H (mm)	W (mm)	D (mm)
Magnet	95	95	40
Striker Plate	65	65	48

### Standard connections



**WARNING:**  
Do NOT use high voltage testers if ANY equipment is connected to the system.

### Catalogue numbers

Description	Code
Mains powered heavy duty door retainer	MDR240
24V dc heavy duty door retainer	MDR24L
Floor mounting bracket for heavy duty door retainers	ZMDRFBB