



ZF-MR2

Magnetic door release units

Unobtrusive design

The ZF-MR2 is an unobtrusive door retaining unit designed to hold fire doors, in the open position, on busy corridors, yet on a fire condition allowing them to automatically close.

The unit consists of two separate parts, a door plate which is fitted to the fire door and a solenoid usually installed on the wall, or (using the bracket supplied separately) to the floor. Doors are held in the open position, against self-closing mechanisms, when the solenoid is energized and are automatically released when current is switched by the fire alarm panel. The solenoid unit is housed in a strong di-cast enclosure. A manual release button, which can be fitted to either side of the solenoid casing allows the door to be easily released at any time, without operating the fire alarm system.



Unique spring release

The solenoid core features a unique spring release design which, whilst providing a holding force of 40 Kg ensures reliable 'non stick' operation by reducing residual magnetism to a minimum.

Two versions of the release unit are available, the 24 volt DC device, powered by either a dedicated DC supply, or a transformer rectifier arrangement and a 240 volt AC unit powered directly from the mains supply. An added advantage of the mains powered version is that should a public power supply failure occur, as a fail-safe measure, all fire doors will automatically close. Most fire detection and alarm control panels, will require an intermediate mains relay, to switch current from the 240 volt AC unit.

Easy to wire terminals

Door release units are wired as separate circuits, from the fire detection and alarm control panel and are controlled either on a system bases where all doors in the building close on a common fire signal, or by zonal fire outputs from the control panel, releasing the doors in the affected part of the site only.

Large fixed terminal blocks are provided in each unit for ease of installation.

Standard Features

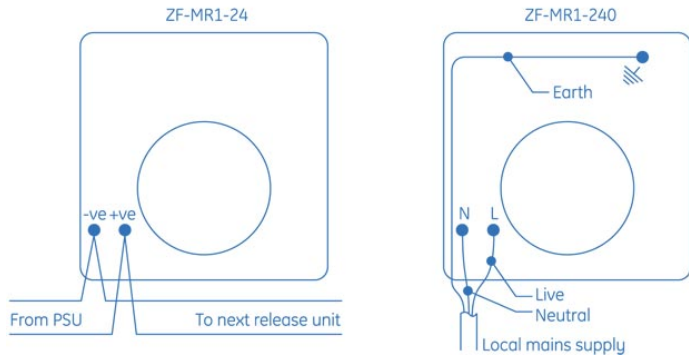
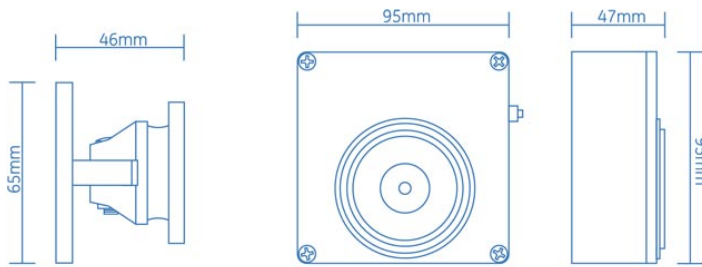
- Unobtrusive design
- Spring release eliminates residual magnetism
- Push button release
- 40 Kg holding force
- 24 volt DC and 240 volt AC versions

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Specifications

Model No	ZF-MR2-24 Magnetic door release unit 25kg (35mA)
	ZF-MR2-24V Magnetic door release unit 40kg (75mA)
	ZF-MR2-240 Magnetic door release unit 40kg (240Vac)
	ZF-MR2-FB Floor bracket for 40kg unit
Compatibility	All ZC and ZP systems with appropriate PSU interface
Mounting	Solenoid unit - surface mounting to wall, or floor using bracket included Door plate - 4 hole fixing for mounting to door face
Wiring	2 wire
Operating voltage	ZF-MR2-24 and ZF-MR2-24V - 24 Volts dc ZF-MR2-240 - 240 Volts ac
Power consumption	2vA
Temperature range	-25°C to +80°C
Humidity range	20% to 95% RH (non condensing)
Material	Di-cast aluminium back box with thermoplastic cover
Dimensions	Solenoid unit - 95mm (H) x 95mm (W) x 47mm (D) Floor mounting bracket - 100mm (H) x 95mm (W) x 100mm (D)
Colour	Solenoid unit - white back box with black cover Floor mounting bracket - white
Weight	Solenoid unit - 840g Floor mounting bracket - 440g
Publication No	PS1232



4331-01

Ordering Information

Part No.	Description
ZF-MR2	Magnetic door release units