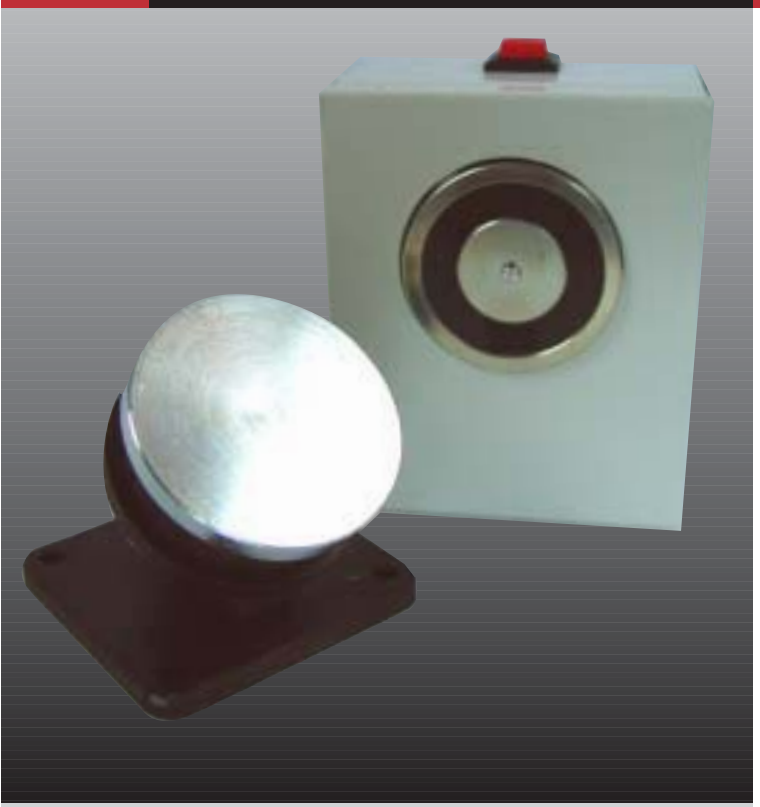
Magnetic Door Holders & Power Supply Units



The Zeta magnetic door holder is designed to retain a fire door open, against the force of its own closing device.

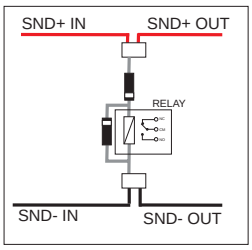
In the event of a fire, the door holder magnet can be turned off by the fire alarm, allowing the door to shut.

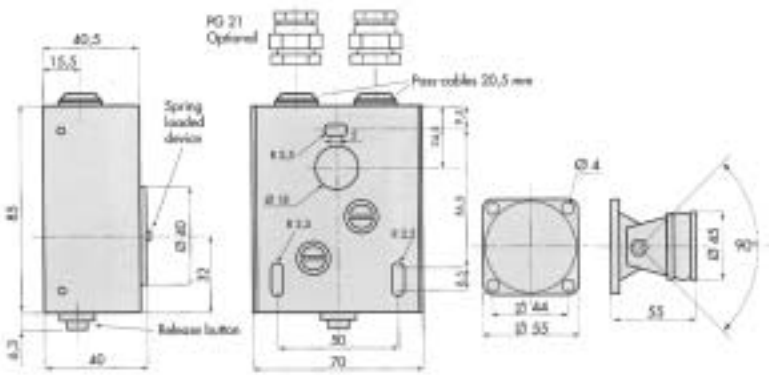
An optional Floor mounting bracket is also available.

There are 2 versions, 24V dc and 240V ac.

The 24v DC door holder requires either a panel with a 24v DC output, or a separate 24V PSU. This can be switched through the FACP aux relay, but it might need back EMF diodes fitted to the Door Holder (1N4002 or similar, stripe to +, non-stripe to -).

The 240v AC door holder is powered through the mains. Unless otherwise stated in the FACP manual, these MUST NOT BE SWITCHED THROUGH THE FACP AUX RELAY. (Most FACP relays are SELV-low voltage). Fit a mains rated relay driven from the sounder circuit, and switch through this relay instead.





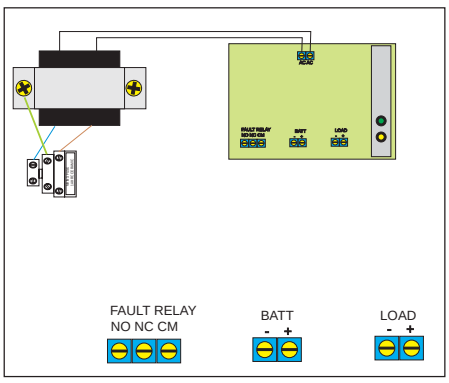
ELECTRICAL SPECIFICATION

Model	ZT-DR24	ZT-DR240
Part No	50-001	50-002
Rated Voltage	24V DC	240V AC
Rated Current	125mA	6mA
Switch Through AUX	Yes (with Diode)	No
Needs Back EMF Diode	Yes	No
Holding Force	200 Newton	
Dimensions (main unit)	70 x 90 x 45 mm	
Dimensions (keeper plate)	56 x 56 x 52 mm	
Fixing Centres	50 mm	
Weight	570g	

Power supply units

This range of enclosed 24 volt linear power supplies has been designed to meet the requirements of BS5839 part 4: 1988. The enclosure is a rugged white powder coated steel box. All power supplies have a built in battery charger and backup system, to allow operation if the mains fails. They have 2 front panel indication LEDs, mains present and fault.

These supplies can be used to power 24V dc magnetic door holders, supplementary alarm circuits, or any other ancillary fire alarm application.

It is available in 1amp or 5 amp versions.

Model	PSU-1	PSU-5
Part No	46-005	46-006
Supply Voltage	230V AC	230V AC
Nominal Output Voltage	24V	24V
Maximum Current Load	1 Amp	5 Amp
Battery charging voltage	27.6 V	27.6V
Max Continuous load	50% of maximum rating	
Fault Output	1 set of C/O relay contacts (1A @ 30Vdc max)	
Maximum battery space	2 x 7.0Ah SLA batteries	
Dimensions	337 x 282 x 88 mm	
Weight	4.575 kg	5.800 kg