Free Fall Fire Valves, Emag & Emag2

Electromagnetic Quick Release

The Emag and Emag2 Electromagnetic quick release mechanisms are for use with electrically actuated fire valve systems. They provide instant release of Free Fall Fire Valves when de-energised, making them the ideal method for remote fire valve closure.

The Emag is a standard electromagnet, which will demagnetise on loss of power, the Emag2 version has inbuilt auxilliary volt free changeover contacts, which signal valve status.

Both Emag and Emag2 may be installed as ‘wall mounted’ or ‘direct mounted’.

Wall mounted Emag or Emag2 installations can can be designed to release a stainless steel fire valve cable, which can be used in the normal way with pulley wheels and fusible link, by using an interface which will isolate a fuel supply in the event of a Fire Alarm or other means of control input by de-energising the electromagnet. Similar to the way in which an automatic fire door closes in the event of a building fire alarm. However, the system still incorporates a fusible link, providing a mechanical means of fire valve shut off as well as electrical control.

Direct mounting installations have the Emag or Emag2 sited directly above the fire valve and do not incorporate a fusible link in the system, but rely upon electrical control only.

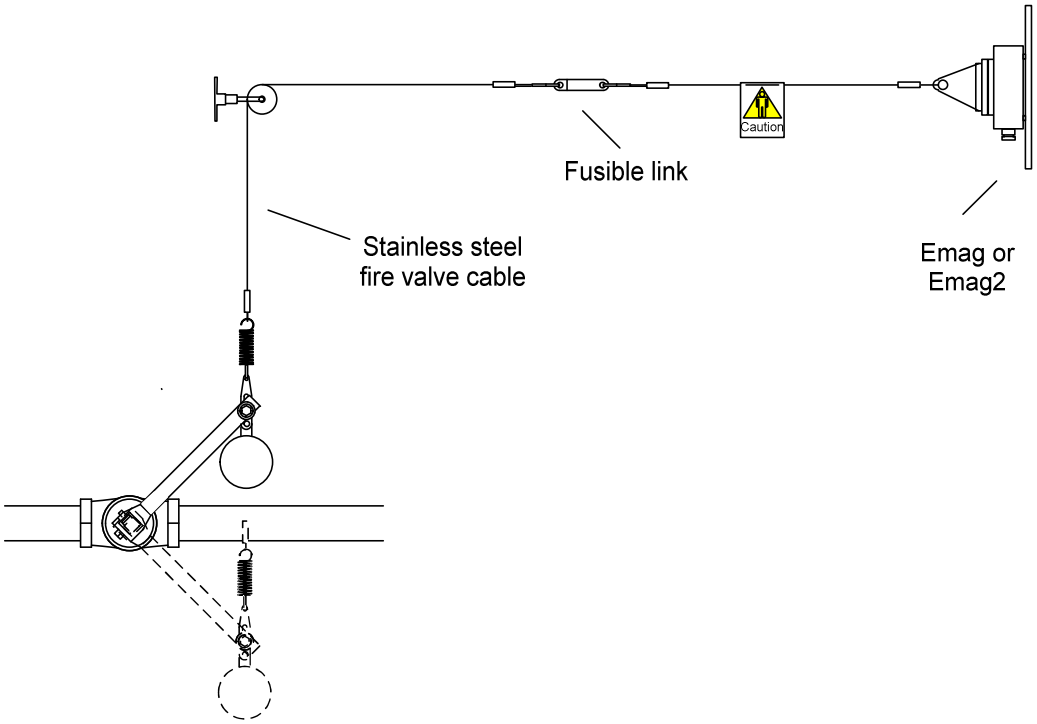
Both Emag & Emag2 version include a ‘Push to test’ facility and have 40 Kg electromagnetic holding power as standard.

Emag & Emag2 Product Codes	
Electro-Mag 24V dc	20-162
Electro-Mag 110V ac	20-163
Electro-Mag 240V ac	20-164
E-Mag2 24V dc, with n/o and n/c contacts	20-165
E-Mag2 110V ac, with n/o and n/c contacts	20-166
E-Mag2 240V ac, with n/o and n/c contacts	20-167

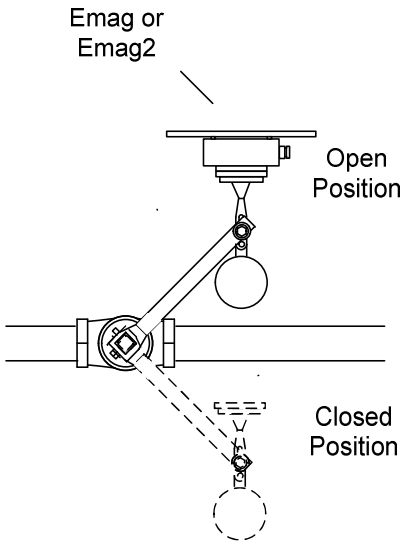
Ordering Information

Tel: 01565 733137. Fax 01565 733841. E-mail: fel.valves@virgin.net **Web:** www.felvalves.com
FEL Valves Ltd., 96 Pickmere Lane, Wincham, Northwich, Cheshire, UK. CW9 6EB

Emag & Emag2 System Schematics



Wall mounted Emag or Emag2 Electromagnetic Release used with soldered fusible link for electrical control with mechanical fusible link local fire protection.



Direct mounted Emag or Emag2 for electrical control only

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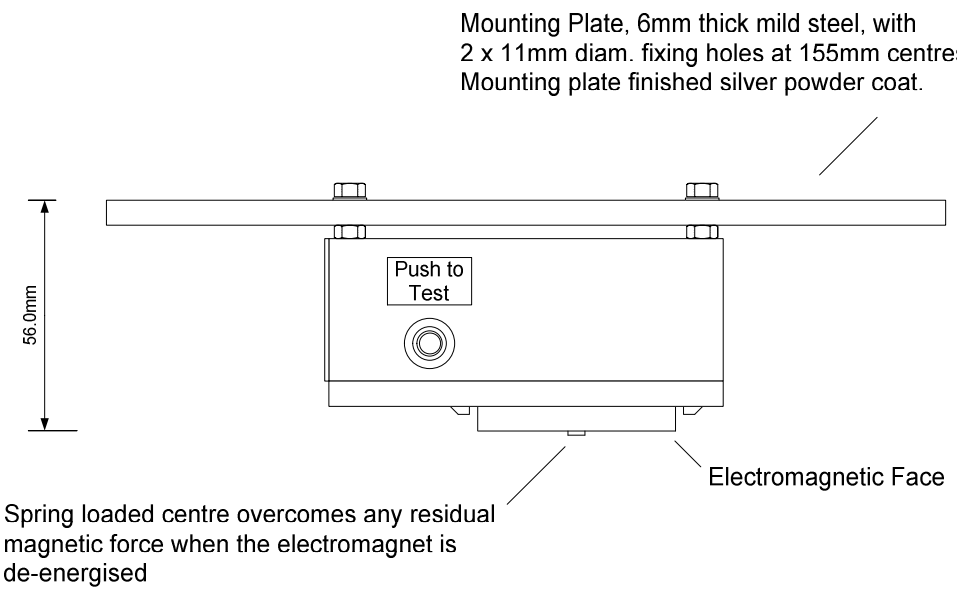
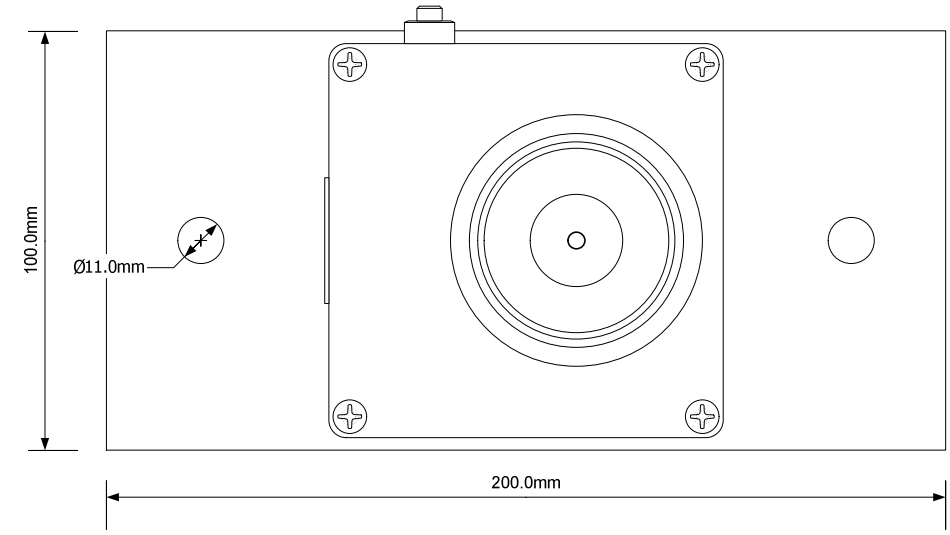
Emag Electromagnetic Release





Emag Electromagnetic Release Technical Details			
Product Code	Voltage	Power Consumption	Holding Force
20-162	24V dc	2VA	40 Kg
20-163	110V ac	2VA	40 Kg
20-164	230V ac	2VA	40 Kg

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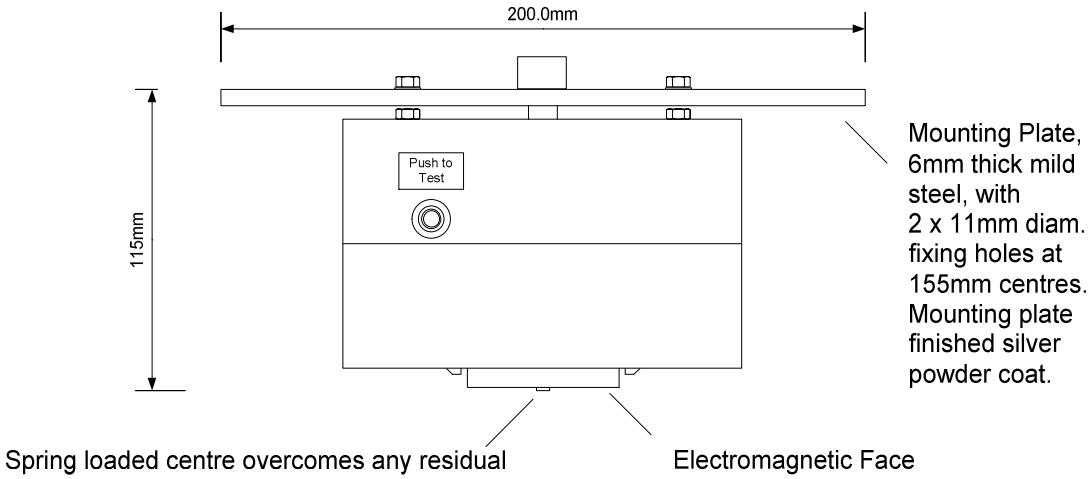
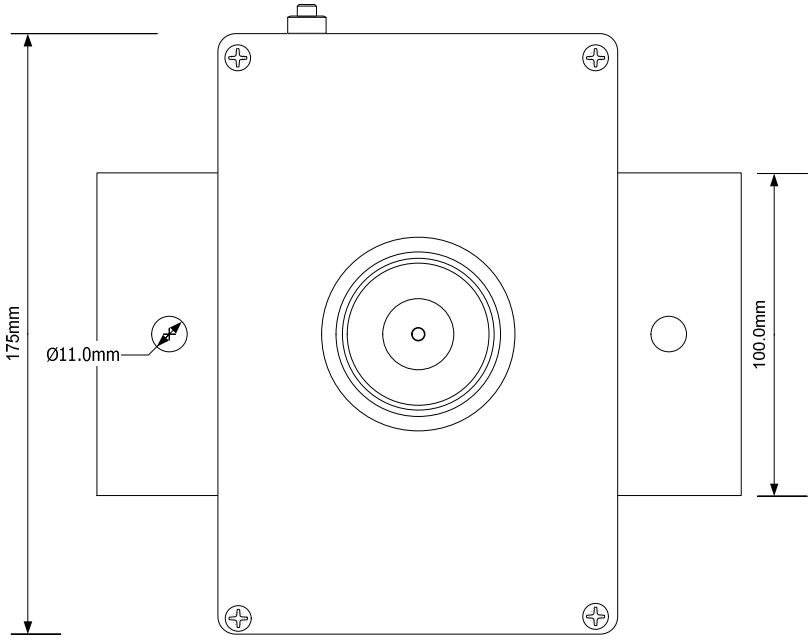
Emag2 Electromagnetic Release





The Emag2 Range of electromagnetic release mechanisms have inbuilt volt free changeover contacts to indicate valve status.
When the Emag2 is de-energised, an internal relay provides a common to normally open or normally closed signal.

Emag2 Electromagnetic Release Technical Details			
Product Code	Voltage	Power Consumption	Holding Force
20-165	24V dc	2VA	40 Kg
20-166	110V ac	2VA	40 Kg
20-167	230V ac	2VA	40 Kg

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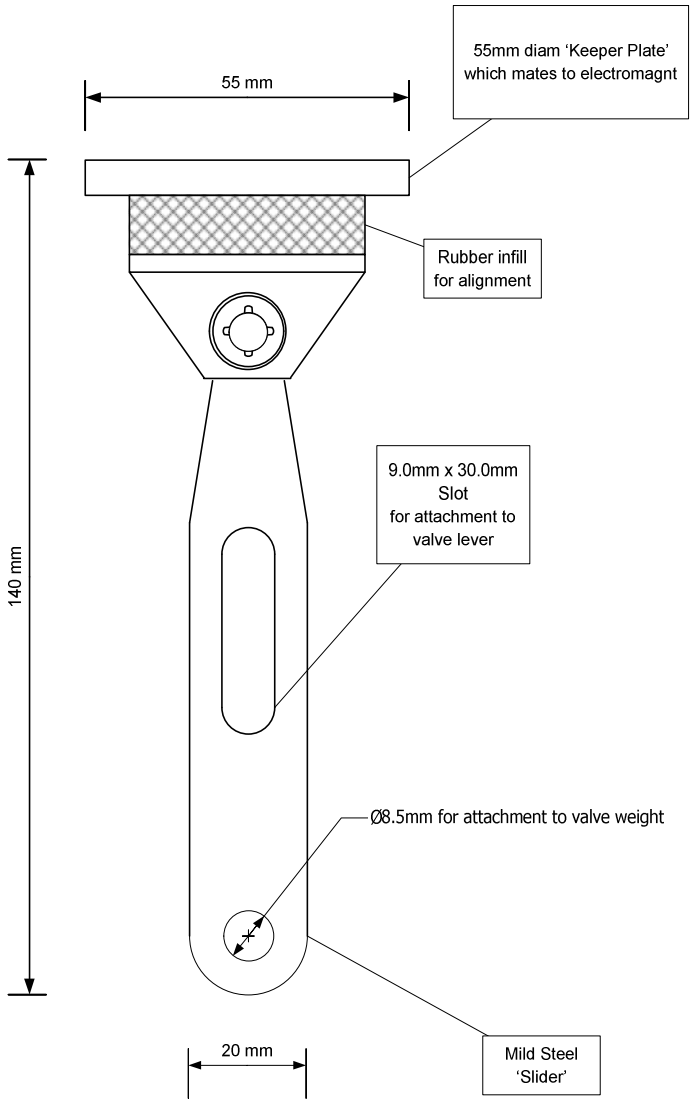
Emag & Emag2 Keeper Plate
and Slider Assembly



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