

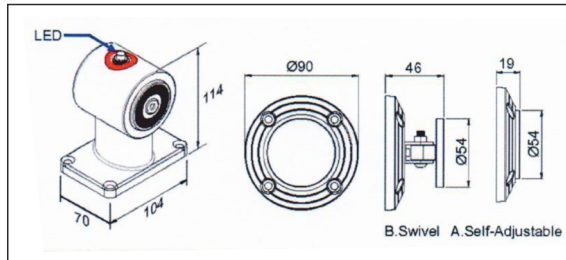
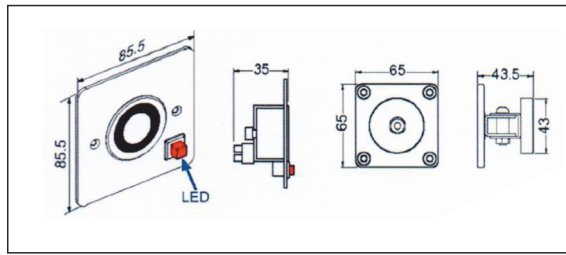


CONTRACT RANGE - FIRE DOOR CONTROLS

Electromagnetic Door Holders

Wall and floor mounted electromagnetic door holders are used in conjunction with either an overhead door closer or floor spring. When connected to the building fire/smoke detection and alarm system they will allow a fire door in a high traffic location, such as a corridor, to be held open during normal use. In an emergency situation the holder is de-activated and the door closes under the action of the door closer. The door can always be pulled manually off hold open to allow the door to close.

- Fully compliant with BSEN 1155
- CE Marked
- Surface or semi recessed wall mounting
- Built-in LED button to simulate alarm conditions
- Swivel armature plates
- Floor mounting bracket option
- Max. holding force LG.GD640S - 70 lbs
- LG.GD850F - 80 lbs
- 1 year electrical guarantee



| Item no. | Description | Finish |
|-----------|------------------------------|--------|
| LG.GD640S | wall mounted - semi recessed | ss |
| LG.GD850F | floor mounted | black |

Specification advice

The hold-open device should be sited at the same level as the closing device (or as close as practical) to minimise the stress placed on the door whilst it is being held open. A skirting mounted hold-open unit used in conjunction with an overhead door closer could induce the door to twist, causing the door to fail to close fully.

Power for the electromagnet must not be drawn from the fire alarm system except in alarm condition. A separate power supply is designed specifically for the electromagnetic units (see below).

BS EN Classifications

Contract Range electromagnetic hold-open units have been fully tested to the requirements of BS EN 1155 and have been designated with the Classification no. as shown below.

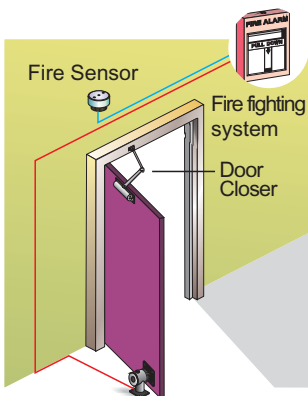
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Electrical requirements

Operating voltage - 24VDC (22v min / 30v max.)
- 50mA nominal (Note : 12VDC to order)

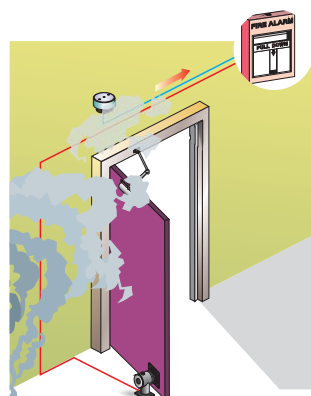
Note :

The door holder should not be positioned at such a point where the door can be held open at angles less than 65 degrees

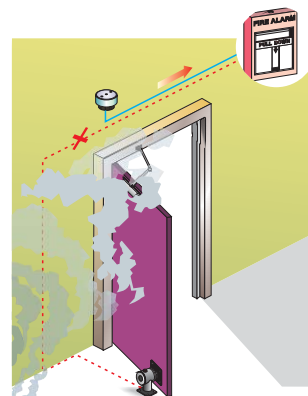


Door Holder

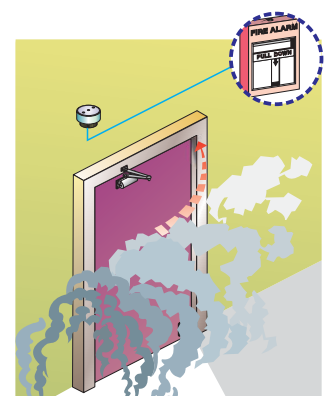
24 VDC (or 12 VDC) is the usual power source provided by the fire fighting system.



The fire fighting system activates the fire alarm when a fire is detected.



The fire fighting system cuts off the power.



The Electromagnetic door holder automatically releases the armature plate allowing the door to close and preventing the fire and smoke from spreading.

Maintenance after Installation

It is vitally important that the integrity of the fire door is maintained in the event of a fire. All electromagnetic hold open devices and the ancillary equipment, including the transformer/rectifier (power supply), must be tested weekly in accordance with the procedures set out in the fire precautions regulations.

It is recommended that the following procedure be followed:

- With the door in the hold-open position simulate the fire alarm activation and check that the door is released immediately and closes fully into the frame, fully engaging the latch if fitted. The fire alarm may be simulated in a number of ways including activation of a break glass unit or by a built-in test switch on the hold open unit.
- With the door in the hold-open position switch off the power to the hold open device to simulate power failure. The door should be released and close fully into the door frame, fully engaging the latch if fitted.
- With the door in the hold-open position check that the door can be pulled manually off the hold open and will close fully into the frame.

ANY FAILURE OF THE DOOR TO CLOSE MUST BE RECTIFIED IMMEDIATELY