



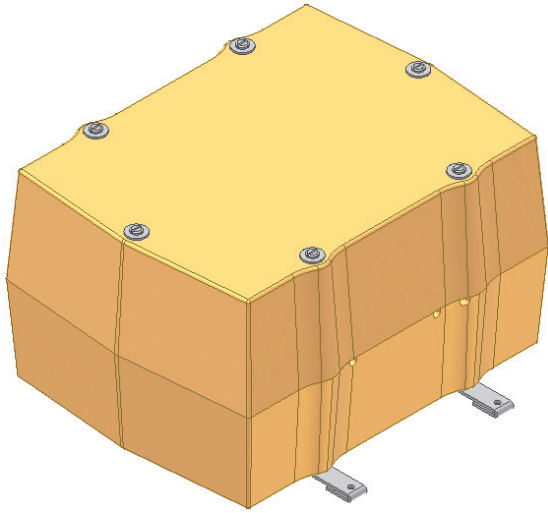
Safeguard Systems

THE DAMPER SPECIALIST COMPANY



ALWAYS READ THIS DOCUMENT
BEFORE INSTALLATION. PLEASE
RETAIN FOR FUTURE REFERENCE.

This product forms part of a life safety system. Failure to correctly store, handle, install and maintain the product will directly put at risk the lives of the occupants and the fabric of the building.



The Hot Damper Interface is used when the operation of smoke/fire, smoke and/or balanced smoke extract dampers are required for operation up to 300°C for one hour.



ELECTROSTATIC SENSITIVE DEVICE

Installation Instructions and Datasheet

Hot/Shield Damper Interface Enclosure (HDI)



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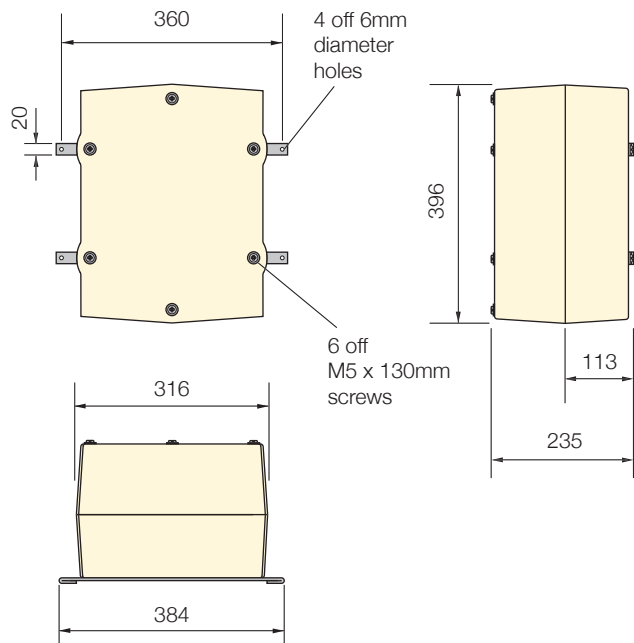
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Typical Installation

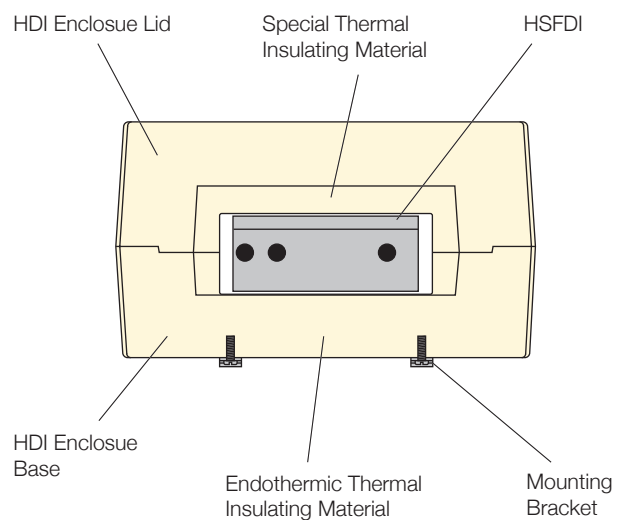
1. Fix the 2 off mounting brackets provided, to the underside of the HDI enclosure, by screwing into the threaded inserts with the M5 screws provided.
2. Allowing suitable cable access around the HDI enclosure, position it in desired location, and mark fixings positions using the bracket holes as a template.
3. Remove HDI enclosure lid by unscrewing the 6 off long screws/large flat washers
4. Securely mount the HDI base in its intended position. Hole specification and fixings by others.
5. Remove HSFDI lid,
6. Connect cables and refit HSFDI lid in accordance with the Safeguard SFDI data sheet.
7. Refit HDI enclosure lid with the 6 off screws/large flat washers, taking care to position cables in grooves. The inside insulation is sufficiently soft to compress locally around cables when the lid is screwed down.

Note: HDI lid may need to be removed and refitted again during testing/commissioning.

Mounting Diagram



Sectional View of HDI Enclosure and HSFDI





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Features

- 300°C operation for 1 hour.
- Safeguard have developed a unique thermal enclosure to protect the Safeguard range of Damper Interfaces currently available.
- The enclosure consists of two separate materials, enabling the HDI to function at the extreme temperature specified. The outer casing has endothermic properties that significantly slow down the internal temperature rise in a high temperature emergency condition. The inner casing is a special thermal insulating material.
- The maximum temperature is 300°C for up to one hour. This has been tested and independently witnessed by BRE (Ref Test No. 221067A).
- HSFDIs, HSDIs and H3PSFDI can be installed within the HDI enclosure.

Refer to separate datasheets for detailed information.

HSFDI Unit



The HDI can be mounted in any orientation, on a flat surface or alternative suitable mounting system.

The HSFDI, HSDI and H3PSFDI units are supplied without the damper interface electronics, which will be supplied separately at commissioning stage

Total Weight (including internal DIs) = 11.5Kg (approx).

CE Complies with European standards

WARNING: The responsible body shall be made aware that, if the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

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