



Hot Damper Interface Enclosure (HDIE)

The Hot Damper Interface Enclosure is used when damper interfaces are required for operation up to 300°C for 120 minutes or 400°C for 30 minutes.

Note: Image shown with prefitted Safeguard Hot SFDI. HDIE for use with Actionair/Safeguard product only.

The Hot Damper Interface Enclosure (HDIE) has been specifically designed and tested to accept Actionair/Safeguard damper interfaces providing robust fire protection to the outside of the enclosure while maintaining low internal temperatures allowing the devices to continue to operate in the event of a fire situation for 300°C for 120 minutes or 400°C for 30 minutes.

The HDIE utilises layers of advanced cooling thermal control materials, high insulation barriers and unique intumescent materials providing exceptional fire resistance and keeping the internal devices below the critical failure temperatures. In a fire situation, the external coating expands creating a dense char up to 50 times its volume while the thermal properties of the unique fabric insulation keep the device below its operating failure temperature. Also, the cable entry points intumesce and close during a fire leaving no gaps for the fire to penetrate. Therefore, the rigidity and stability of the enclosure are retained during the period of the fire.

The enclosure lid is securely fastened with six latches for ease of assembly. The internal mounting plinth is specially designed to accept a range of Actionair/Safeguard damper interfaces.

Advantages

- Robust fire protective materials
- High thermal cooling insulation design
- Unique fire rated cable entry
- Internal mounting plinth with predrilled assembly holes
- Environmentally friendly
- Moisture resistant
- Lightweight
- Finished with hardwearing top seal
- Easy lid removal

Typical Installation

Only trained and qualified personnel should be allowed to install, replace or service this equipment. Installation should be in accordance with the relevant local safety standards.

1. Ensure electrical source is isolated or turned off prior to commencing any electrical installation.
2. Open HDIE by unclipping 6 x latches.
3. The HDIE can be attached by M6 bolts and washers to a frame on the wall or directly to the wall using suitable masonry screws or stud wall fixings.

NB: 4 x corner mounting holes are pre-drilled, do not drill the HDIE otherwise warranty will be void.

4. The HDIE is supplied without the damper interface electronics which will be fitted at commissioning stage.
5. The cables entering the HDIE must be guided through the layers of intumescent and insulating fabric and finally through the glands. Do not drill the HDIE otherwise warranty will be void.
6. Only use Safeguard recommended fire rated cables.
7. Once the damper interface is fitted and terminated the lid can be secured.

Please Note:

HDIE lid may need to be removed again during testing/ commissioning so access must be provided.

150mm clearance required for lid removal and at cable entry points.

Features

- Safeguard have developed a unique thermal enclosure to protect the Actionair/Safeguard range of Damper Interfaces currently available.
- The HDIE has been designed with layers of advanced cooling thermal control materials, high insulation fabric barriers and unique intumescent materials providing exceptional fire resistance and keeping the damper interface electronics below the critical failure temperature.
- The maximum temperature is 300°C for 120 minutes or 400°C for 30 minutes. Testing has been independently witnessed by Lloyds.
- Not harmful to the environment.

Specification

Total Weight:(including internal DIs) 9kg (approx).

Size: 355 x 300 x 170 mm

Cable entry (intumescent lining): 6 - 12mm (for other sizes please contact Safeguard technical sales)

Storage: Clean dry environment above 5° C

Colour: Light grey

Compliance: BSEN ISO 9001: 2008 and ISO 14001: 2004

Humidity: 25% RH to 90% RH at 40° C

 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.

*The information herein is subject to change without notice. We do not assume any liability arising out of the use of this product. Purchase of goods and services is subject to Safeguard Systems standard terms and conditions.
Product warranty 12 months from date of delivery.*

Actionair and Safeguard are brand names of Swegon Air Management and Safeguard Systems respectively and both companies are part of the Swegon Group.

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