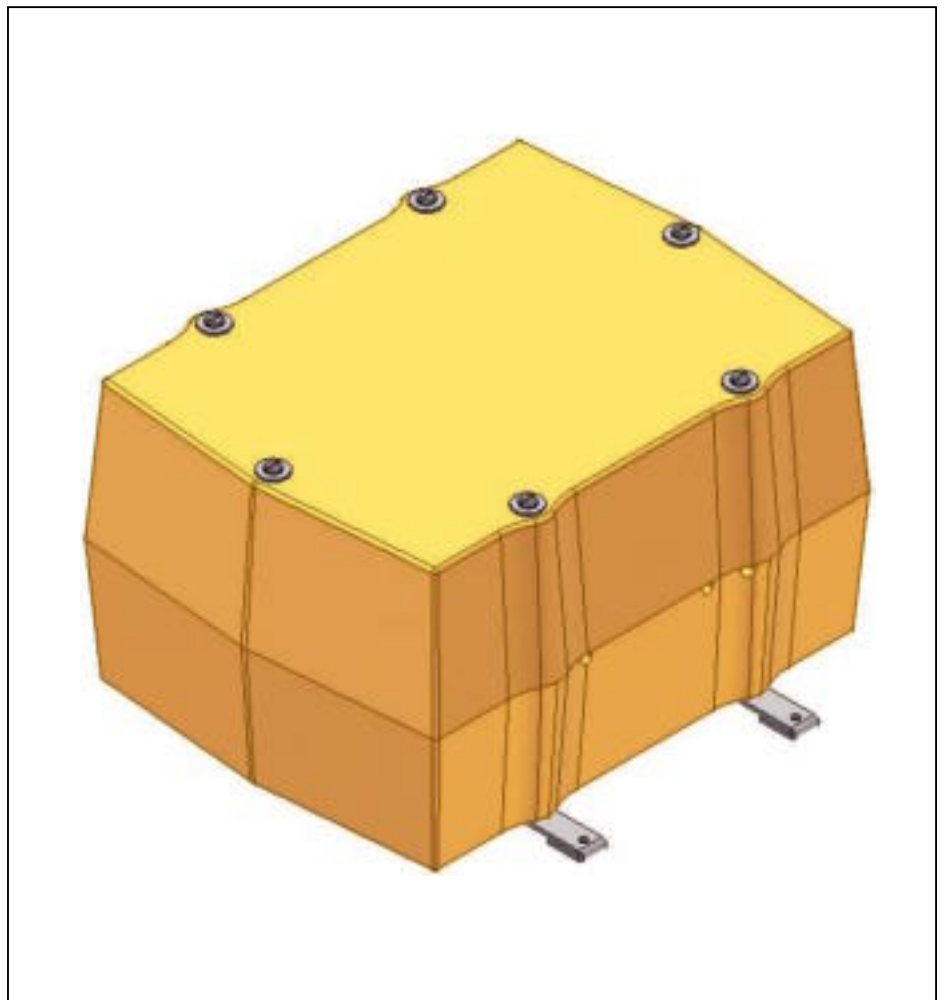


# Hot/Shield Damper Interface Enclosure (HDI)

## Features

- 300°C operation for 1 hour.
- Actionair have developed a unique thermal enclosure to protect the Actionpac LNS 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).
- The HDI enclosure is to be used in Hot/Shield PTC™ applications where the Actionpac LNS system is being used to control the dampers.
- HSFDIs and HSDIs can be installed within the HDI enclosure.

Refer to separate catalogues for detailed information.



**actionair**

Dampers Controls Fancoils

Ruskin Air Management Limited

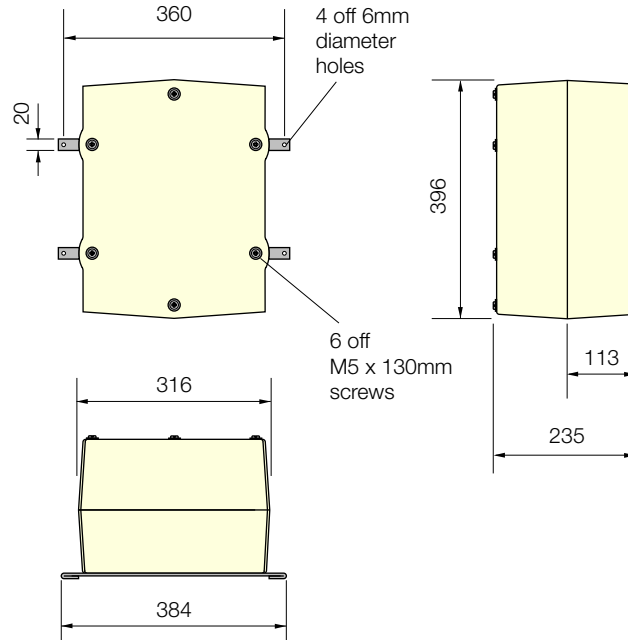
[www.ruskinuk.co.uk](http://www.ruskinuk.co.uk)

## 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 Actionpac catalogue information.
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.

## Dimensions



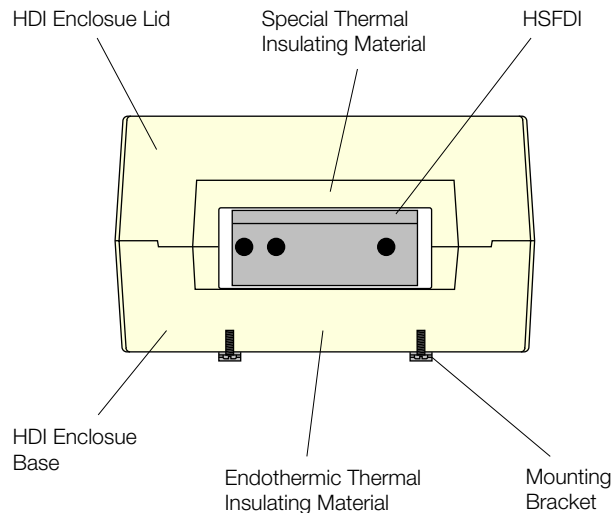
The HDI can be mounted in any orientation, on a flat surface or alternative suitable mounting system.

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

Maximum normal external operating temperature: 30°C.

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

## Sectional View of HDI Enclosure and HSFDI



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Quality System Assessed to ISO 9001: 2000



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 is a ISO 9001 and 14001  
 registered company