

Adapters for duct applications

Housing for duct sampling smoke detector

In places where air ducts are present, their proper monitoring is necessary for an installation that meets requirements. International standards and codes acknowledge that air conduction systems can transfer smoke, toxic gases or flames from one area to another thus multiplying the risk of accidents, panic and damage to property. One of the main aims of duct-

smoke detection is to minimize the propagation of smoke through recirculation, to achieve this an efficient detection system is essential that allows an immediate reaction by blocking fans and closing shutters. Inim offers everything necessary for this type of need.



EBDDHN



DDHBRKTN



DDHCOVERN

EBDDHN – Universal adapter for duct installation

Houses all types of detector (analogue or conventional). The detector base (not included) fits inside and is secured firmly in place by means of two screws (included). A practical terminal board makes wiring easy. It provides early warning of smoke by continually sampling air movement within heating and ventilation ducts in industrial and commercial buildings. Based on the Venturi principle, this device has been designed to operate with an optical smoke detector and adequate length air sampling tube. It operates at an air velocity of between 0.5m/s to 20m/s.

TV

Air-sampling tube: the air-sampling pipe is available in three different lengths: 0.6m, 1.5m, 2.8m. It should be chosen in accordance with the width of the duct concerned. The sampling tube must traverse at least 90% of the duct. If the duct is wider

than 60cm, the sampling tube must traverse the entire duct.

Installation: the aluminium sampling tube can be easily shortened to adapt to the duct. The diameter of the hole for the air-sampling tube is 38mm.

Air-flow monitoring: the adapter is fitted with a red plastic tongue which indicates the air flow to the detector and thus provides confirmation that there is no leakage and that the air flow from the duct is passing through the housing.

DDHBRKTN – Mounting bracket for circular ducts

This device fits to circular ducts and provides a flat mounting surface for the EBDDHN.

DDHCOVERN – Waterproof cover

This cover is required when the EBDDHN unit is installed outdoors.

- Single tube air-sampling system
- New design sampling tube
- Test hole on cover on
- Easy installation
- Air flow indicator
- Filter to reduce dust and other deposits on the detector
- Efficient service and easy maintenance
- Easy mount sampling tube
- Compatible with analogue and conventional systems
- Mounting brackets for circular ducts

Technical features

DDH, dimensions (without tube)	180x183x235 mm
DDH, weight	700 g
Sampling tube length	0.6-1.5-2.8 m
Air velocity	0.5/20 ms

ORDER CODES

EBDDHN	Universal tube adapter.
TV06N	0.6m sampling tube.
TV15N	1.5m sampling tube.
TV28N	2.8m sampling tube.
DDHBRKTN	Mounting bracket for circular ducts.
DDHCOVERN	Weathertight cover.
DDH204	Set of spare gaskets on.
DDH F1/10 N	Anti-dust filter.