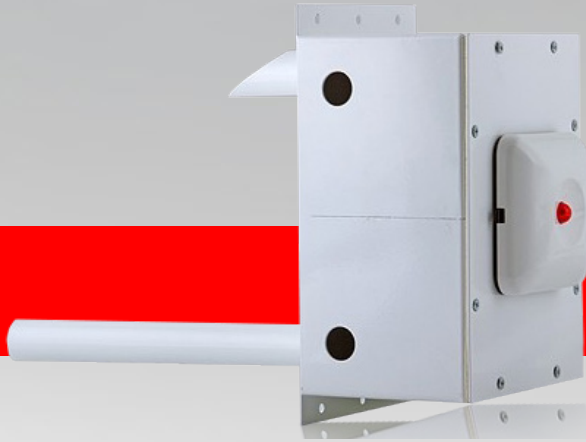


Duct Smoke Detector YKB02



The duct smoke detector YKB02 is designed to detect the presence of smoke in airstream of ductwork sections or ventilating compartments by the smoke detector mounted in it.

Features

Depending on the type of the fire detector mounted, the duct smoke detector is produced in two versions – for Conventional Fire Alarm Systems (YKB02K) and for Addressable Fire Alarm Systems (YKB02A).

In the device is mounted an optical-smoke fire detector type FD8030 for Conventional Systems or FD7130 for Addressable Systems. In order to control the condition of the integrated fire detector, on the housing of the duct smoke detector is mounted an outboard LED Remote Indicator RI31.

The product design is based on the laws of aerodynamics. Part of the air flow runs through the opening holes of the inlet tube, passes through the duct smoke detector while reducing its speed and goes out through the outlet tube. The mounted mechanical filters stop the large particles from the airflow and thus they protect the sensitive element of the fire detector from dust contamination.

In case of smoke in the main air conduit, part of this smoke goes through the duct smoke detector and activates the fire detector. The latter sends signal to the Fire Control Panel and the outboard Remote indicator.

Technical data

Speed of the airflow into the air conduit:

– 0,5 ÷ 20 m/s

Existence of a mechanical filter of the input and the output: Yes**Base type of the mounted fire detector:**

– DB8000D (DB7100)

Type of the mounted fire detector:

– FD8030 (DB7130)

Type of the mounted remote indicator:

– RI31

Options for installation of a different type smoke detectors: Yes

Dimensions (without the inlet tube, the outlet tube and the nozzles): 200 x 120 x 114 mm

Inlet tube dimensions: Ø22 x 200 mm

Outlet tube dimensions: Ø22 x 70 mm

Weight: 1,3 kg



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