

UG-7 UNIGUARD SUPERFLOW

Smoke detector housing for duct installation.
Designed to comply with prEN 54-27.



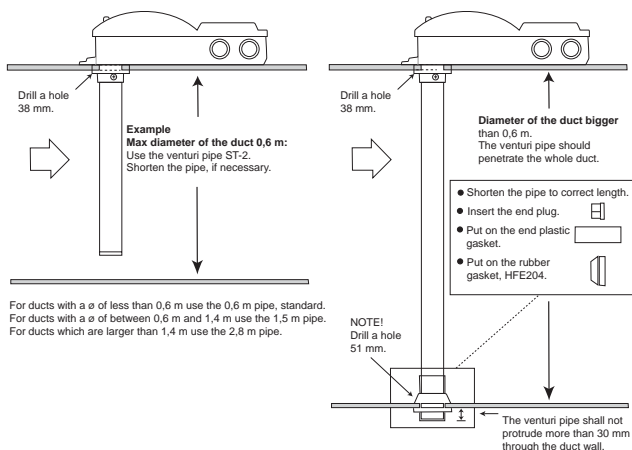
TECHNICAL DATA

Detector type:

From fire detector supplier

Air sampling tube:

Material aluminium. The length of the venturi pipe shall be chosen based upon how wide the ventilation duct is. The venturi pipes are available in 3 lengths; 0.6, 1.5 and 2.8 m. When the ventilation duct is wider than 0,6 m (dia), the venturi pipe should penetrate the **whole** duct. Please see below sketch.



CHARACTERISTICS

- Designed to comply with prEN 54-27
- One-pipe air sampling system Uniguard Superflow
- Patented venturi pipe and duct housing
- Test hole on cover
- Simple installation
- Simple service and maintenance

FUNCTION

Uniguard has been developed to detect smoke in ventilation ducts and combines a smoke detector and an adaptor system where both venturi pipe and housing are specially designed for optimum airflow through the smoke detector.

The UG-7 duct smoke detector housing is designed to comply with the demands in the prEN 54-27 standard.

The system fulfills all the requirements for safe fire detection with airflow speeds from 0,5 m/s to 20 m/s.

BASIC PRINCIPLES FOR POSITIONING

For the airflow through the adaptor to be representative of the airflow in the ventilation duct, install the detector at a place where normally flow meters etc. should be mounted, please see our installation instructions.

ACCESSORIES

Article code
UG-MB-75

Description

Mounting bracket (for insulated/circular ducts)

UG-COVER-75

Waterproof housing (for mounting outdoors, in cold attics etc.)

ST2

Venturi pipe (length 0.6 m)

ST5

Venturi pipe (length 1.5 m)

ST9

Venturi pipe (length 2.8 m)

UG-7 UNIGUARD SUPERFLOW

Smoke detector housing for duct installation.

Designed to comply with prEN 54-27.

INSTALLATION

The venturi pipe is made of aluminium and can easily be shortened to suit the diameter of the duct. Hole diameter is 38 mm. With insulated or circular ducts - use the mounting bracket, hole diameter is then 51 mm.

FUNCTION TEST

When installation is complete, the detector should be tested. This can be carried out with smoke or suitable testspray for example RDP-300 (from Calectro), use the test hole on cover.

Do not forget to refit the plastic plug after test.

NOTE! When installing outdoors or in cold attics etc., where there is a risk for condensation, this requires that the detector is insulated from the surrounding air by means of for example Calectro's waterproof housing UG-COVER-75, and marked with a sign "Hidden Detector".

VENTURI EFFECT

The new cross-section (shape) of the venturi pipe gives an optimum of venturi effect. The slots alongside the venturi pipe, for the inlet and the outlet of the venturi air stream, gives maximum air flow and make the venturi pipe "self-adjusting" with a stable and uniform flow from the whole cross section of the ventilation duct.

DIMENSIONS

(mm)

