Panasonic

Fire alarm systems

Duct detector chamber 6367

- Only one pipe is required
- Simple installation
- For conventional as well as analog and addressable systems

General

The Uniguard Duct detector chamber **6367** is used when smoke is to be detected in a ventilation duct. Both the "venturi pipe" and the housing, where a smoke detector is to be placed, are especially designed for optimum airflow through the detector. The housing is made of grey ABS and the venturi pipe is made of aluminium. Supplied with two compression glands for cable entry.

6367 can be used in conventional as well as analog fire alarm systems, depending on the detector placed inside the housing.

The Photoelectric smoke detector 4352, plugged in the base 2324, is used in a conventional system (zone line input). An attached space ring (11 mm) is required between the base and the housing.

The Analog photoelectric smoke detector 4301, plugged in the analog base 3312, is used in an analog and addressable system. An attached space ring (19 mm) is required between the base and the housing.

Venturi pipe 6371

The venturi pipe is available in three lengths and can easily be shortened to suit the ventilation duct. An attached plug is to be placed in the end of the pipe.

A ventilation duct with a width $\leq$ 0.6 m (diameter) requires a 0.6 m venturi pipe (6371-06), ended inside the duct.

A ventilation duct with a width > 0.6 m (diameter) requires an 1.5 or 2.8 m venturi pipe (6371-15 / -28), ended outside the duct.

See figure on the opposite page.

Air flow indicator

A built-in air flow indicator gives a confirmation that the air from the ventilation duct is flowing through the venturi pipe and the detector. If not, a booster fan 6373 is available as an option.

Accessories

Bracket **6372**, to be used when 6367 shall be mounted on a round ventilation duct. See figure on the opposite page.

Booster fan **6373**, to be used when the air flow indicator is indicating no or very small air flow. The fan shall be mounted inside the housing and connected to the terminal block. External power supply (24 V AC, 50 mA) is required.

Filter **6374**, can be used in an extremely dirty environment, as in a saw mill, a timber yard, etc. The filter shall be placed inside the housing, in a slot just before the detector.

Product applications

The Duct detector chamber can be used in the systems EBL500 / 512 / 128 / 1000 / 2000. It is intended for indoor use and in dry premises.

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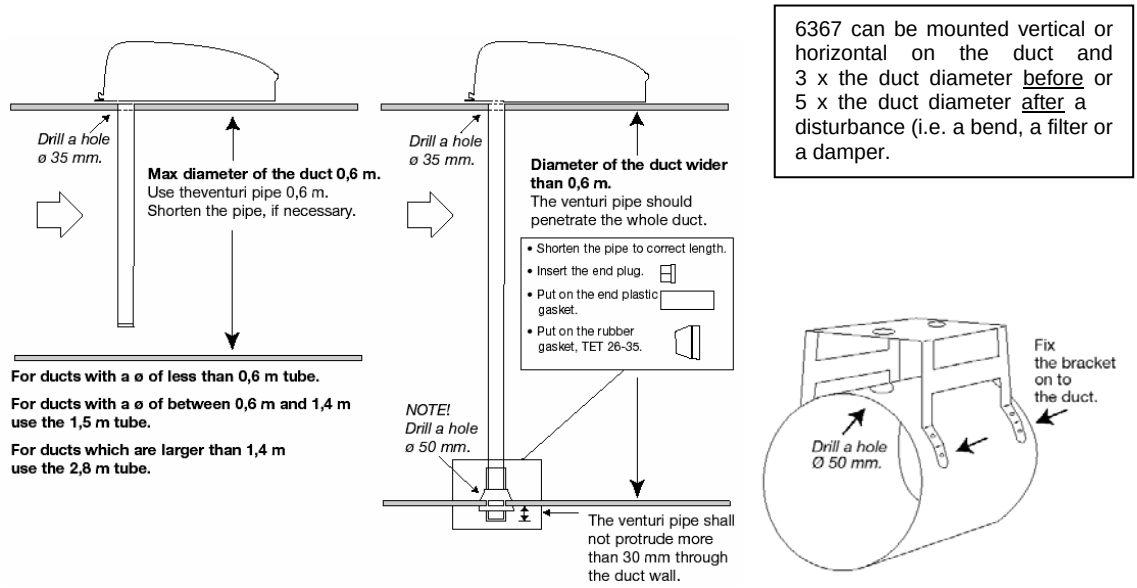
Type numbers	
6367	Duct detector chamber (**NOTE!** Detector & base have to be ordered separately).
6371-06	Venturi pipe 0.6 m (Incl. end plug.)
6371-15	Venturi pipe 1.5 m (Incl. end plug, plastic gasket and membrane gland TET 26-35.)
6371-28	Venturi pipe 2.8 m (Incl. end plug, plastic gasket and membrane gland TET 26-35.)
6372	Bracket
6373	Booster fan (ext. 24 V AC, 50 mA required)
6374	Filter



Left: How to suit the pipe to different widths of the ventilation duct. *Right:* The Bracket 6372. Attached with each Duct detector chamber are detailed mounting and installation instructions.

Technical data	
Duct air flow velocity (m/s)	0.2 to 15
Ambient temperature (°C) operating storage	 -10 to +50 -25 to +75
Ambient humidity (% RH)	max. 95, non condensing
Ingress Protection rating	IP54
Size L x W x H (mm)	287 x 150 x 110 (the housing only)
Weight (g)	680 (the housing only)
Construction / Colour	ABS / Grey (RAL7035)
Compression glands	M16x1.5 for cable Ø=3-10 mm
Approvals	CE; EN 54

See also Product Leaflets / Technical data for the base and the detector to be used.

Product Leaflet	Date of issue	Revision / Date of revision
MEW00435	2004-02-05	2 / 2006-08-31