Panasonic

Fire alarm systems
Duct detector chamber UG-4
6377

- Patented venturi pipe and duct housing - only one pipe is required
- User friendly installation
- For conventional as well as analog and addressable systems
- Pipe with a built-in fan is available

General

The Uniguard-4 duct detector chamber **6377** is used when smoke is to be detected in a ventilation duct. Both the "UG-4 pipe" and the housing, where a smoke detector is placed, are especially designed for optimum airflow through the detector. The housing is made of grey ABS and the UG-4 pipe is made of aluminium. It is supplied with mounting screws, four IP65 glands for cable entry, end plug for the pipe and a black pipe gasket for ventilation duct entry.

6377 can be used in conventional as well as analog fire alarm systems, depending on the detector mounted inside the housing.

The Photoelectric smoke detector 4352, plugged in base 2324, is used in a conventional system (zone line input).

The Analog photoelectric smoke detector 4301, plugged in analog base 3312F/FL, is used in an analog and addressable system.

UG-4 pipe 6380 and 6381

The UG-4 venturi pipe is available with or without a built-in fan and in three lengths (0.6, 1.5 & 2.8 m). The pipe can easily be shortened to suit the ventilation duct. The 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 pipe (6380-06), ended inside the duct.

A ventilation duct with a width > 0.6 m (diameter) requires a 1.5 or 2.8 m pipe (6380-15 / -28), ended outside the duct.

See back-side of this data sheet.

Air flow indicator

6377 has a built-in air flow indicator. If it does not move the air flow is too low. A pipe with a built-in fan (6381) is available.

Accessories

Bracket **6382**, to be used when 6377 shall be mounted on a round ventilation duct and when a pipe with built-in fan (6381-xx) is used. See back-side of this data sheet.

Filter (10 pieces) **6384**, can be used in extremely dirty / dusty environments such as saw mills, timber yards, etc. The filter shall be placed inside the housing, in a slot just before the detector.

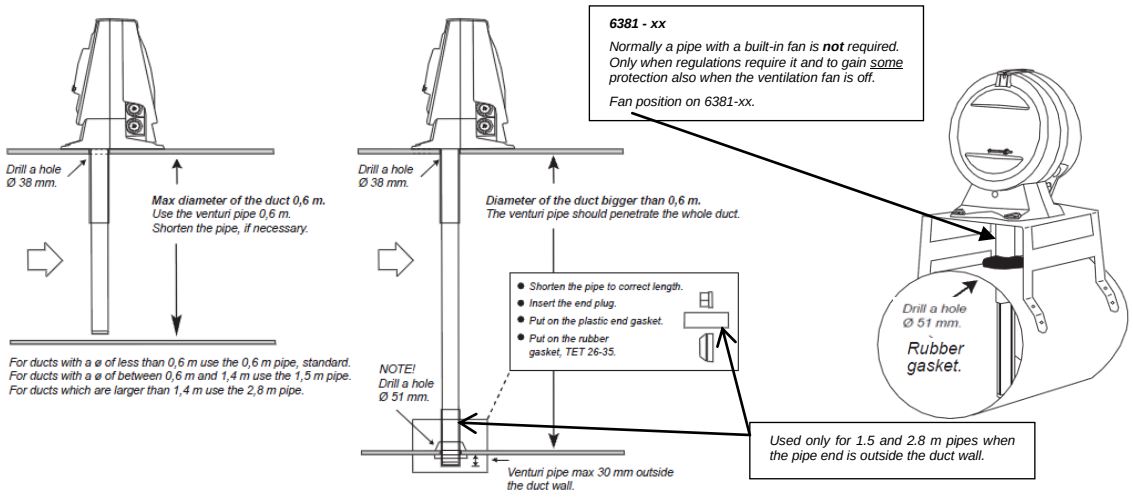
Product applications

The Duct detector chamber can be used in the systems EBL512, EBL512 G3 and EBL128. It is intended for indoor use and in dry premises.

Panasonic Eco Solutions Nordic AB
Jungmansgatan 12, SE-211 19 Malmö, Sweden
Tel: +46 (0)40 697 70 00 • Fax: +46 (0)40 697 70 99
E-mail: info.pewnf@eu.panasonic.com • Internet: pesn.panasonic.se

Type numbers	
6377	UG-4 duct detector chamber – incl. standard mounting accessories. (**NOTE!** Detector & base have to be ordered separately).
6380-06	UG-4 pipe 0.6 m.
6380-15	UG-4 pipe 1.5 m – incl. plastic end gasket and rubber gasket TET 26-35.
6380-28	UG-4 pipe 2.8 m – incl. plastic end gasket and rubber gasket TET 26-35.)
6381-06 [1]	UG-4 pipe 0.6 m with built-in fan. (Ext. 24 V AC, 75 mA required.)
6381-15 [1]	UG-4 pipe 1.5 m with built-in fan – incl. plastic end gasket and rubber gasket TET 26-35.) (Ext. 24 V AC, 75 mA required.)
6381-28 [1]	UG-4 pipe 2.8 m with built-in fan – incl. plastic end gasket and rubber gasket TET 26-35.) (Ext. 24 V AC, 75 mA required.)
6382 [1]	UG-4 bracket.
6384	UG-4 filter (10 pieces)
6385	UG-4 rubber gasket TET 26-35 (spare part)

[1] The UG-4 bracket 6382 is required for the mounting of 6377 when a pipe with fan (6381-xx) is used.



Left: How to suit the pipe to different widths of the ventilation duct. 6377 can be mounted vertical on the duct and 3 x the duct diameter before or 5 x the duct diameter after a disturbance, i.e. a fan, a bend, a filter, a silencer, a damper, etc.

Right: The UG-4 bracket 6382 for round ducts and when a pipe with fan (6381-xx) is used.

Attached each Duct detector chamber are detailed mounting and installation instructions.

Technical data	
Duct air flow velocity (m/s)	0.5 to 20
Ambient temperature (°C) operating storage	 -10 to +50 -25 to +75
Ambient humidity (% RH)	max. 99, non condensing
Ingress Protection rating	IP54
Size H x W x D (mm)	228 x 187 x 184 (the housing only)
Weight (g)	690 (the housing only)
Construction / Colour	ABS / Grey (RAL7040)
Compression glands	4 x Klikseal M20 (IP65) for cable Ø=4-11 mm
Approvals	CE

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

All technical features and data are subject to changes without notice, resulting from continuous development and improvement.

Product Leaflet	Date of issue	Revision / Date of revision
MEW01280	2010-03-31	3 / 2012-04-17