



## Bypass Detectors BMX1001 – Detection at high air velocities

*Cool down.  
Fire Protection by*

**MINIMAX**

### Product & application

The BMX1001/ BMX1001 AP bypass detector consists of the bypass box and the standard detector types OMX95 or OMX1001C.

This detector is set apart by its special sensitivity for monitoring exhaust air and climatic ducts with higher air velocities. Air probes are constantly taken from the monitored ducts via a pipework and routed to the bypass detector, which is installed outside the service duct.

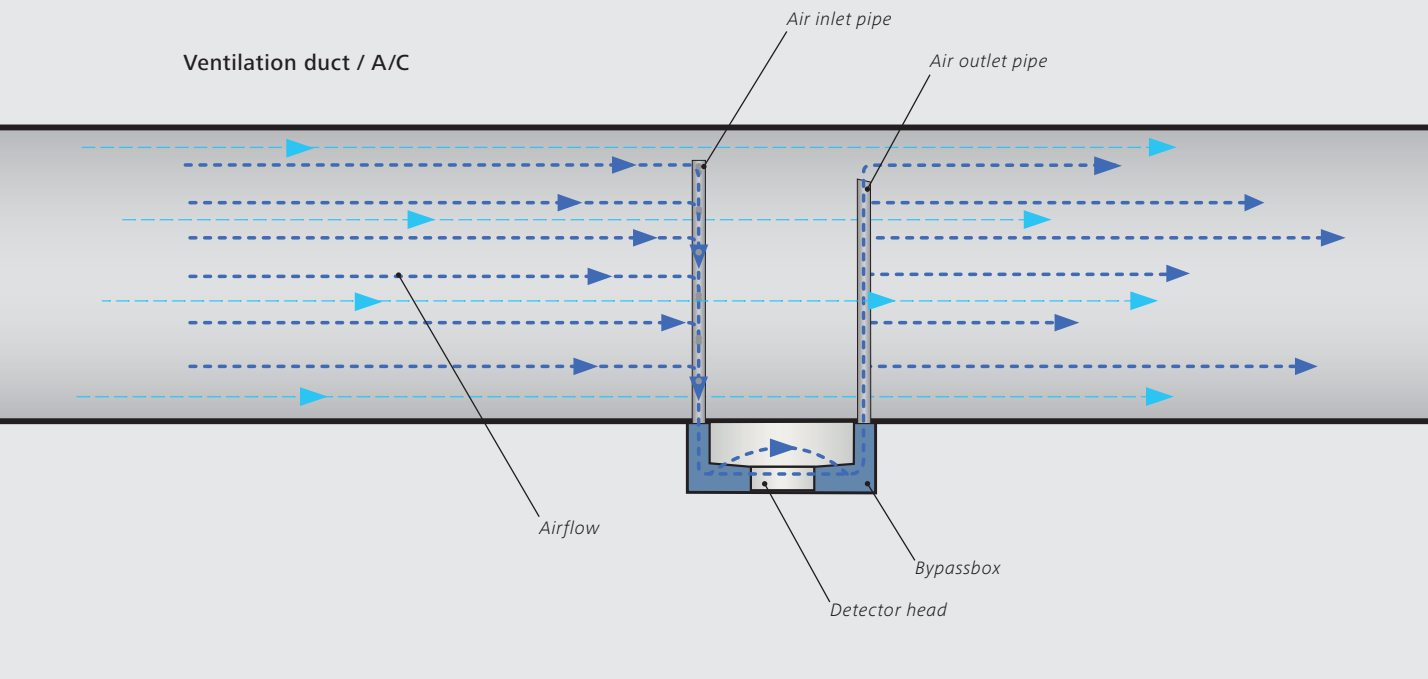
In the case of fire an alarm report is transmitted to the fire detection panel and, if necessary, the air conditioning and ventilation fans are switched to prevent spreading of the smoke.

In accordance with the VdS 2095 planning and design guideline as well as DIN VDE 0833-2 only recognized and approved products may be used in the ventilation duct. BMX1001 and BMX1001 AP have been approved accordingly.

The BMX1001/ BMX1001 AP bypass detectors are used in building service ducts, in air conditioning and ventilation technology as well as monitoring exhaust air and climatic ducts. It unlocks fire flaps and switches off the air conditioning.

### + Advantages

- + Early fire detection of a burgeoning fire with large and light smoke aerosols
- + Low susceptibility to faults because of automatic pollution compensation
- + Extensive function monitoring of sensor technology, software and hardware with the  $\mu$  controller
- + Drift compensation to extend the life cycle and for ensuring adjustment in case of contamination
- + Easy maintenance because of an exchangeable detector insert
- + Low power consumption
- + Very stable and robust casing in aluminum injection moulding
- + Detector alarm display that is visible from the outside
- + Version BMX1001 AP with addressable detector in Loop AP system
- + VdS G2 8406 approval



- ▶ Air probes are constantly taken from the monitored ducts via a pipework and routed to the bypass detector, which is installed at the outside of the service duct.
- ▶ In the case of a fire it can unlock the fire flaps and switch off the air conditioning by means of an evaluation unit.
- ▶ The detector alarm display is visible from the outside by means of a light guide bar.
- ▶ The detector can be connected to fire control panels in limit value technology and ring bus technology in the Loop AP system.
- ▶ Owing to its robust casing, the BMX1001 is durable and safely protects the sensor system against mechanical damage.

## Technical Data

Type	BMX1001	BMX1001 AP
Air flow	1 m/s up to max. 20 m/s	1 m/s up to a max. of 20 m/s
Detector plug-in slot for	OMX1001C (limit value technology)	OMX95 (Loop AP)
Pipe for bypass box	2 threaded pipes DN15 zinc-plated with end cap, 540 mm in length	2 threaded pipes DN15 zinc-plated with end cap, 540 mm in length
Casing material	Aluminum injection moulding, grey	Aluminum injection moulding, grey
Ambient temperature	-20 °C to +60 °C	-20 °C to +60 °C
Protection class	IP 23	IP 23
Weight with 2 pipes	3500 g	3500 g
Dimensions (w x h x d)	130 x 165 x 95 mm	130 x 165 x 95 mm
Approval	VdS G28406	VdS G28406

Detailed information is available in the corresponding product data sheets.

Subject to technical modifications

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