**vent-captor Type 3201.xx(3204.xx)**

**Installation and Adjustment Instructions**

*Please read carefully! No liability can be accepted for damage caused by improper use of the vent-captor!*

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**The following instructions refer to units with normally open output!**

5.2 With no air flow turn adjustment pot. until LED „on”. (This position sets switch-point to zero flow). Slowly turn adjustment pot. until LED „off” = most sensitive setting.

6.0 Monitoring air flow failure

6.2 Turn on normal air flow, wait 3 minutes, adjust pot. (counting the turns) until LED „off”.

6.3 Turn back half the number of turns at 6.2 = optimum setting, tr ≥ tf

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**1.0 Installation**

With supplied mounting flange (alt. PG 21) or union nut (Type 3204.xx)

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**1.1 Installation depth**

Dependent on duct diameter, min .15 mm. Metal PG 21 fittings are modified by the manufacturer. Modification is indicated by a „1” on the fitting’s hexagon nut.

**1.2 Flow direction**

Position the probes lengthwise parallel to flow.
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2.0 Electrical connection
Ensure that the vent-captor is connected in accordance with the appropriate electrical connection diagram.

Attention: vent-captors are not short circuit protected!

Output current: 5 - 200 mA max. 500 mA max. 500 mA

3.0 Switching characteristics
3.1 Starting override time
The thermal time delay applies to a cold unit, at factory set-point approx. 60 sec.

3.2 Switching delay
The time delay of the vent-captor is defined by the rate of change of flow speed relative to the set-point. This time delay is not constant, the faster the change, the shorter the time delay. Depending upon adjustment it varies from 3 s to more than 100 s.

4.0 LED-Function
Units with normally open switching function type .51/.01/.03
LED „off“ - no flow = output „off"
LED „on“ - flow = output „on"
Units with normally closed switching function type .50/.00/.02
LED „on“ - no flow = output „on"
LED „off“ - flow = output „off"

5.0 Set-point adjustment
For general applications vent-captors are factory set at an air flow rate of less than 4 m/s and are therefore ready to use without any further adjustment.

5.1 Changing set-point:
Stable operating condition reached 5 minutes after electrical connection.

5.11 Decrease sensitivity (clockwise) = upper switch-point
5.12 Increase sensitivity (counter-clockwise) = lower switch-point