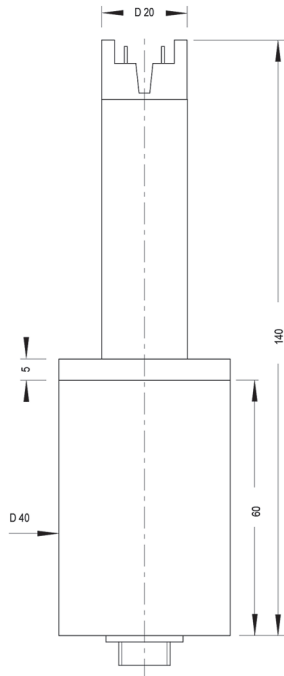
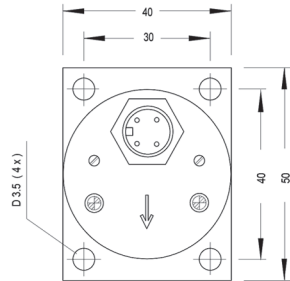


Installation and Adjustment Instruction vent-captor 3202.12/.13 S300



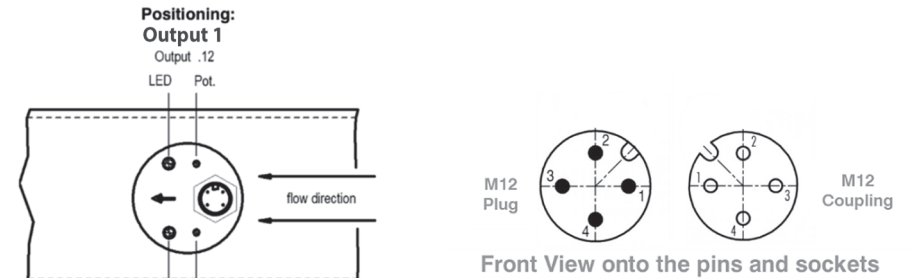
Please read carefully: No liability can be accepted for damage caused by improper use of the vent-captor.



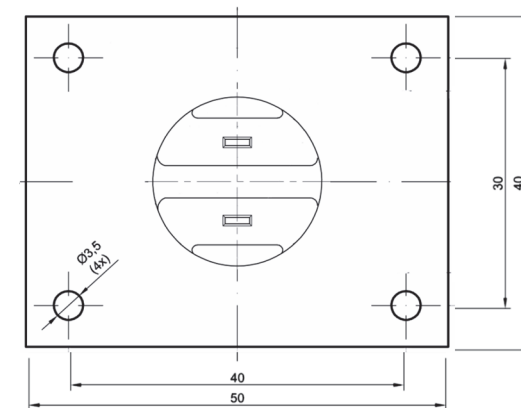
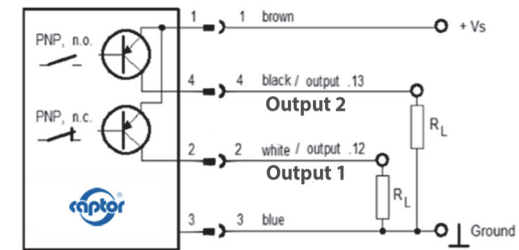
Installation and Adjustment Instruction vent-captor 3202.12/.13 S300



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Connection diagramm:



Installation and Adjustment Instruction

vent-captor 3202.12/.13 S300



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1.0 Installation:

Mounting by enclosed flange.

1.1 Installation depth:

Depends on pipe/duct diameter – min. 15 mm.

1.2 Positioning:

See „Positioning“ in „Technical Information“

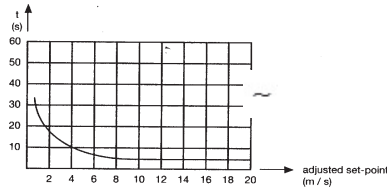
2.0 Electrical connection:

See „Connection diagramm“ in „Technical Information“

3.0 Switching characteristics

3.1 Starting override time

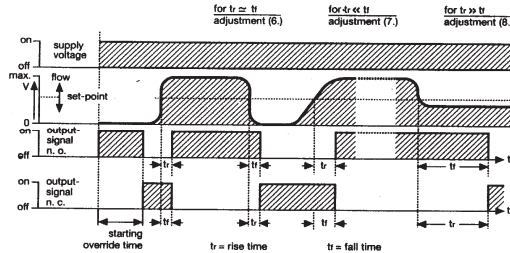
The thermal time delay applies to a cold unit.



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 approx. 3s to more than 30s.



4.0 Set-point adjustment

For general applications, vent-captors are set at the factory to a switching flow rate of less than 4 m/s and are therefore directly ready for operation without further adjustment.

4.1 Changing set-point:

Stable operating condition reached 5 minutes after electrical connection.

4.11 Decrease sensitivity = higher set-point, turn pot. clockwise

4.12 Increase sensitivity = lower set-point, turn pot. counter clockwise

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Installation and Adjustment Instruction

vent-captor 3202.12/.13 S300



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The following instruction refer to the output .12 n.c.

4.2 With no air flow turn adjustment pot. counter clockwise until LED „red“ This position sets switch-point to zero flow. **Slowly** turn adjustment pot. clockwise until LED „green“ = most sensitive setting. Further adjustment, max. 18 turns results in least sensitivity.

Attention: 18 turn potentiometer without mechanical end point.

5.0 Monitoring air flow failure (air flow below set-point)

5.1 After 5 minutes with no air flow, turn pot. counter clockwise until LED „red“

5.2 Turn on normal air flow, wait 3 minutes, adjust pot. clockwise (counting the turns) until LED „green“

5.3 Turn back half the number of turns at 5.2 = optimum setting, $t_r = t_f$ (s. page 1/3)

6.0 Monitoring lower flow limit

6.1 Reduce flow to the min. rate at which a signal is required.

6.2 After 5 minutes **slowly** turn pot. until LED „green“

6.3 Increase flow to normal rate, wait 3 minutes, if LED „red“, setting is correct.

6.4 If LED stays „green“ the flow rate difference is too small. In this case turn **slowly** counter clockwise until LED „red“.

7.0 Monitoring upper flow limit

7.1 Increase flow to rate at which a signal is required.

7.2 Turn pot. clockwise until LED „green“

7.3 Wait 5 minutes turn pot. **slowly** counter clockwise until LED „red“

7.4 Decrease flow to normal rate. Wait 3 minutes, if LED „green“ setting is correct.

7.5 If LED stays „red“ the flow rate difference is too small. In this case turn pot. clockwise until LED „green“.

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