Installation and adjustment instructions

vent-captor 3205.13/.12 S310/45

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

1.0 Installation:

With fitting G ½“ A (to be ordered separately), unit see drawing no. K722559

1.1 Installation depth

Dependent on duct or pipe diameter, min. 15 mm.

1.2 Flow direction

See under „Positioning“ in „Technical Information“

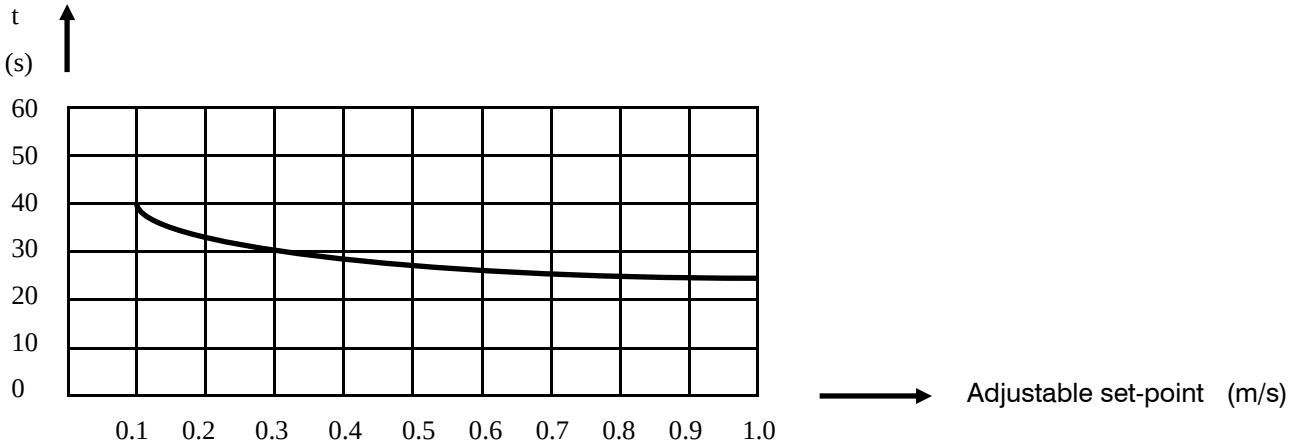
2.0 Electrical connection:

See „Connection diagram“ in „Technical Information“

3.0 Switching characteristics

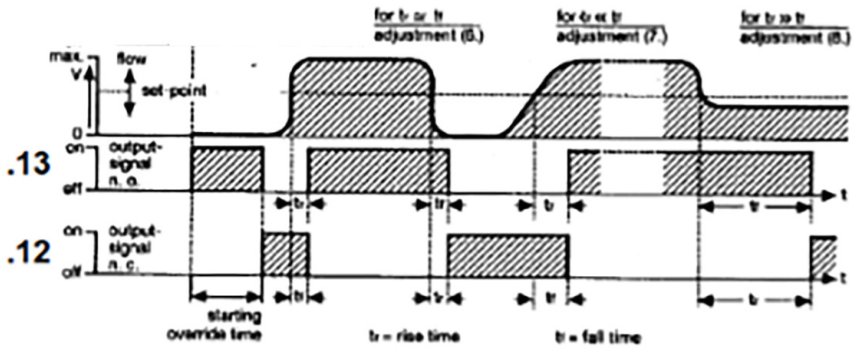
3.1 Starting override time

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. 1 sec. to more than 5 sec. (3205.13/.12 S310/45).



weber

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4.0 Set-point adjustment

The vent-captor is factory set to a switching point of approx. 0.3 m/s and can be used without any further adjustment.

4.1 Changing set-point:
Stable operating conditon reached 5 minutes after electrical connection.

4.11 Decrease sensitivity = higher set-point, turn potentiometer clockwise

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

The following instructions refer to output PNP n. c. (.12)

4.2 With no air flow turn adjustment potentiometer counter clockwise until LED „ **red**“
This position sets switch-point to zero flow. **Slowly** turn adjustment potentiometer 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 potentiometer counter clockwise until LED „**red**“

5.2 Turn on normal air flow, wait 3 minutes, turn potentiometer clockwise (counting the turns) until LED „**green**“

5.3 Turn back half the number of turns at 5.2 = optimum setting, tr □ tf (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. clockwise 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 potentiometer **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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The following instructions refer to output PNP n. o. (.13)

8.0 With no air flow turn adjustment potentiometer counter clockwise until LED „ **green“**

This position sets switch-point to zero flow. **Slowly** turn adjustment potentiometer clockwise until LED **„red“** = most sensitive setting. Further adjustment, max. 18 turns results in least sensitivity.

Attention: 18 turn potentiometer without mechanical end point.

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

9.1 After 5 minutes with no air flow, turn potentiometer counter clockwise until LED **„green“**

9.2 Turn on normal air flow, wait 3 minutes, turn potentiometer clockwise (counting the turns) until LED **„red“**

9.3 Turn back half the number of turns at 5.2 = optimum setting, tr □ tf (s. page 1/3)

10.0 Monitoring lower flow limit

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

10.2 After 5 minutes **slowly** turn pot. clockwise until LED **„red“**

10.3 Increase flow to normal rate, wait 3 minutes, if LED **„green“**, setting is correct.

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

11.0 Monitoring upper flow limit

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

11.2 Turn potentiometer clockwise until LED **„red“**

11.3 Wait 5 minutes turn potentiometer **slowly** counter clockwise until LED **„green“**

11.4 Decrease flow to normal rate. Wait 3 minutes, if LED **„red“** setting is correct.

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

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