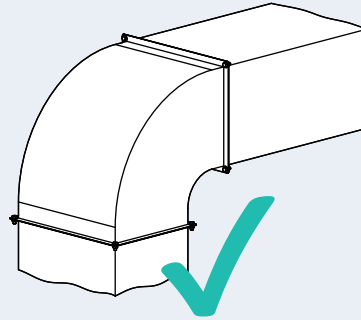
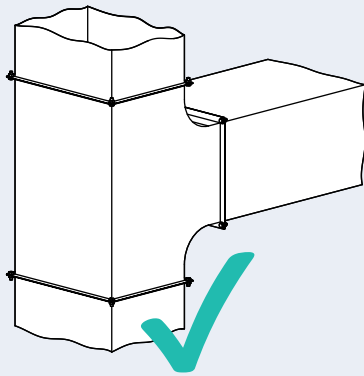


OPTIMA-S

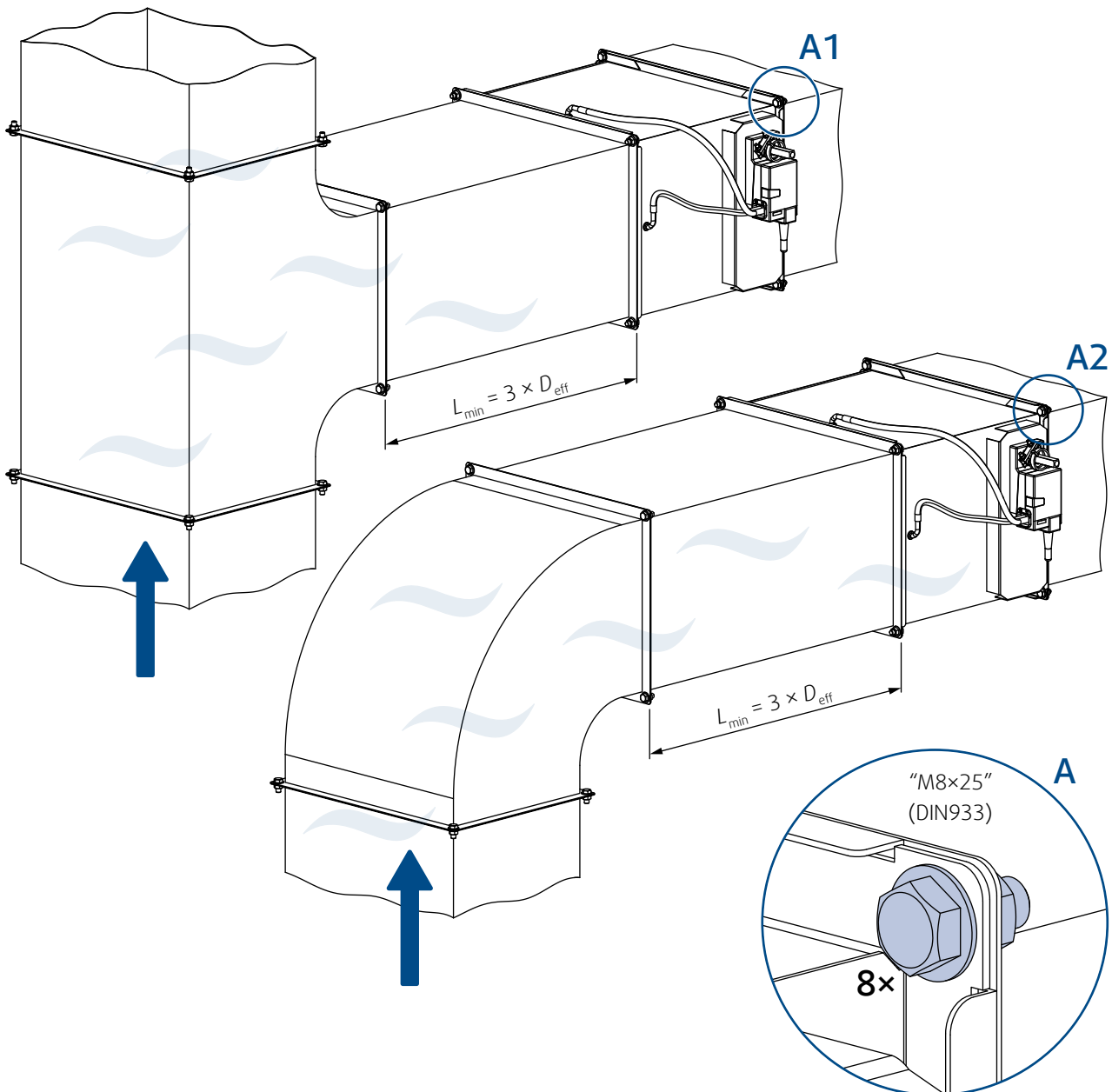
VAV Controller
User Manual

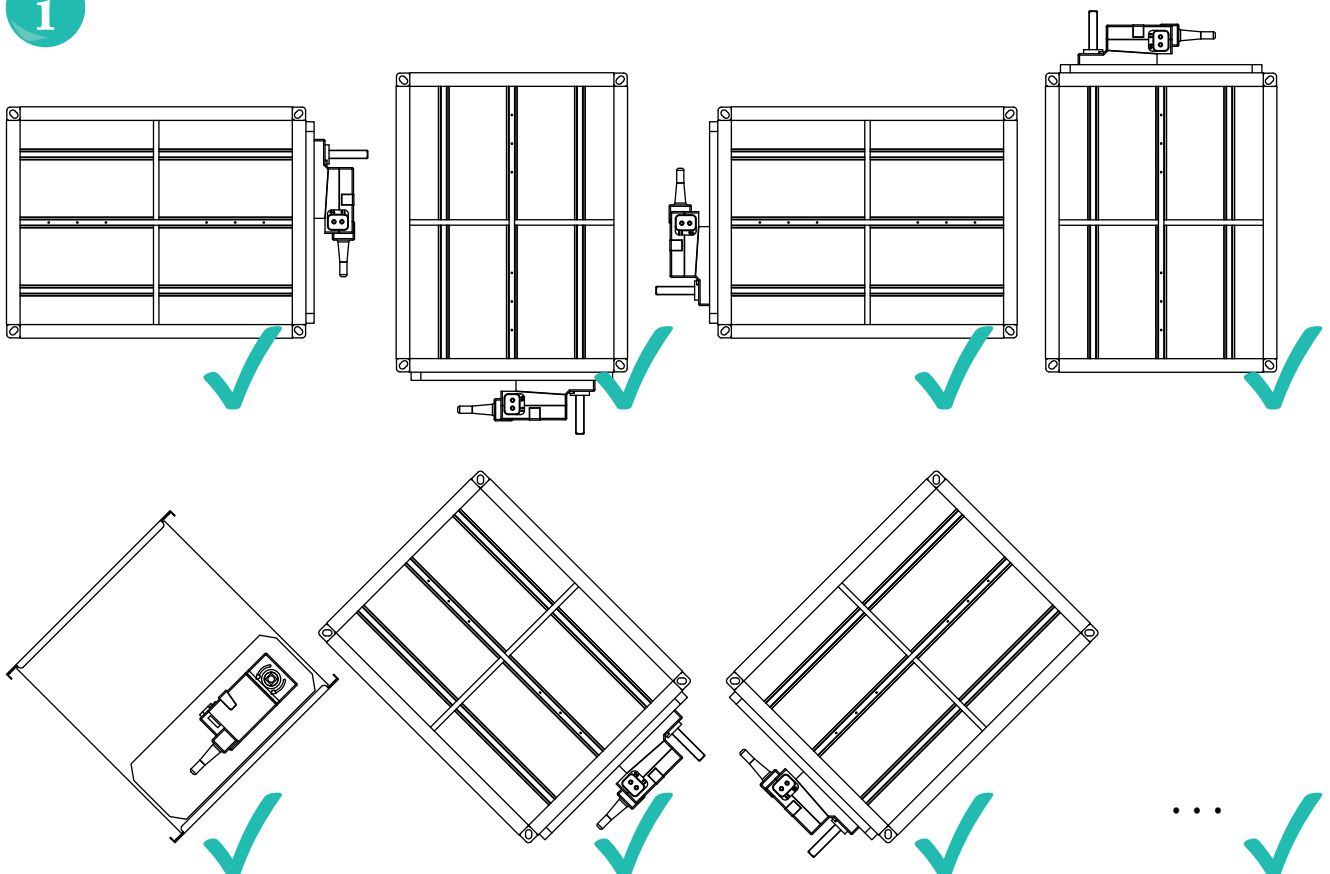
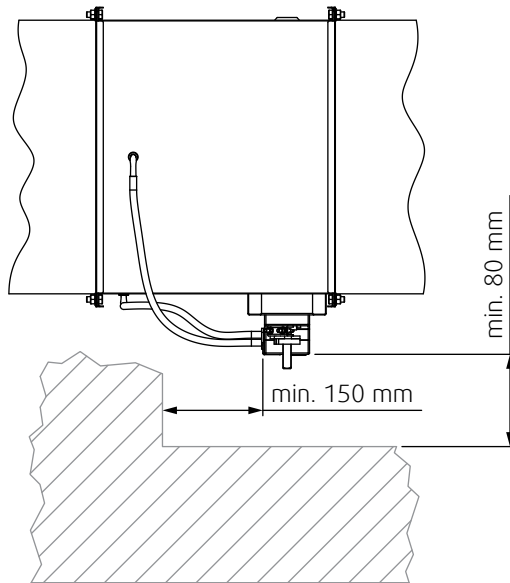


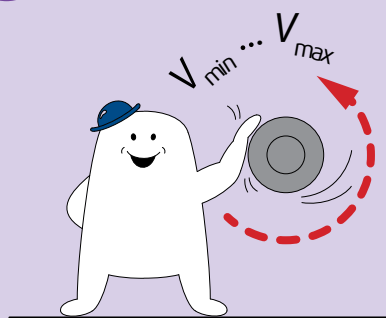


1.

$$D_{\text{eff}} = (2 \times W \times H) / (W + H)$$







OPTIMA-S...

-BLC1

-BLC1MOD

-GO

-BLC4

-BLC1LON

-GOMOD

-BLC1KNX

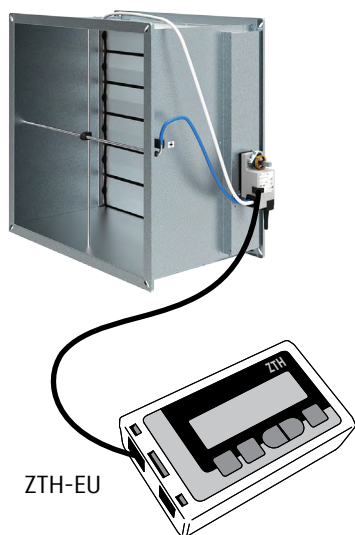
-BLC1

-BLC4

-BLC1MOD

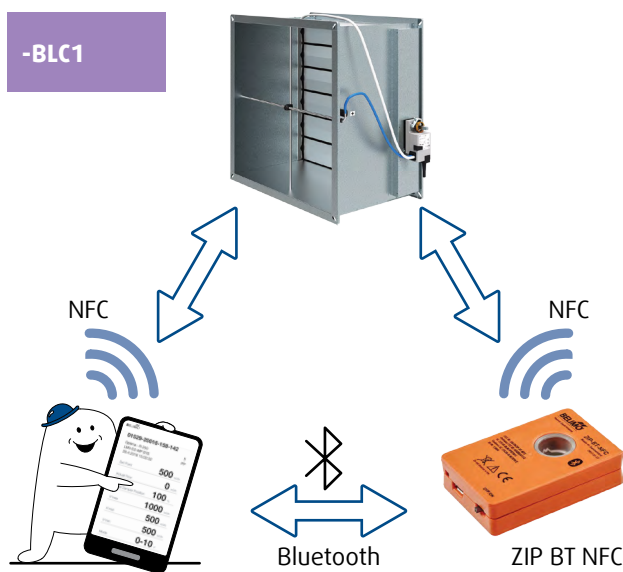
-BLC1LON

-BLC1KNX



ZTH-EU

-BLC1



NFC

NFC

Bluetooth

ZIP BT NFC

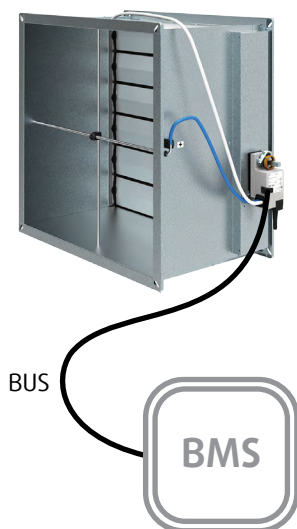
-BLC1MOD

-BLC1LON

-BLC1KNX

-BLC1

-GOMOD

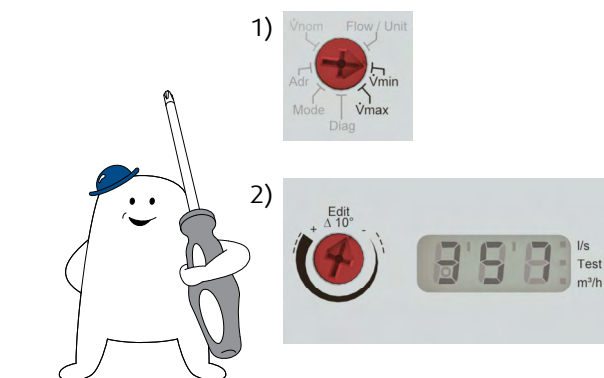


BUS

BMS

-GO

-GOMOD



1)

2)



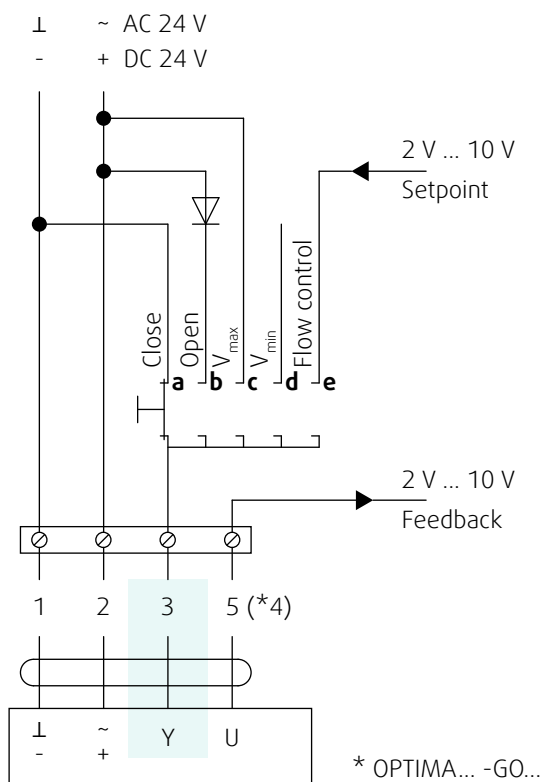
OPTIMA-S...

-BLC1

-BLC4

-GO

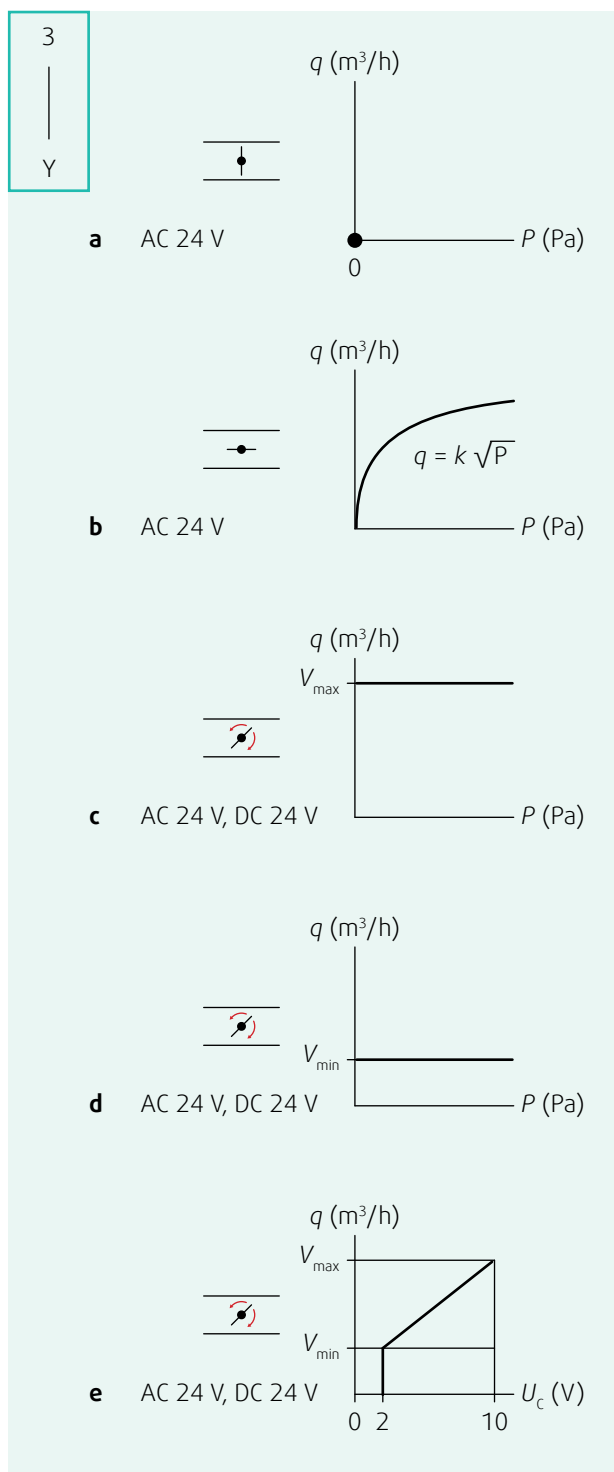
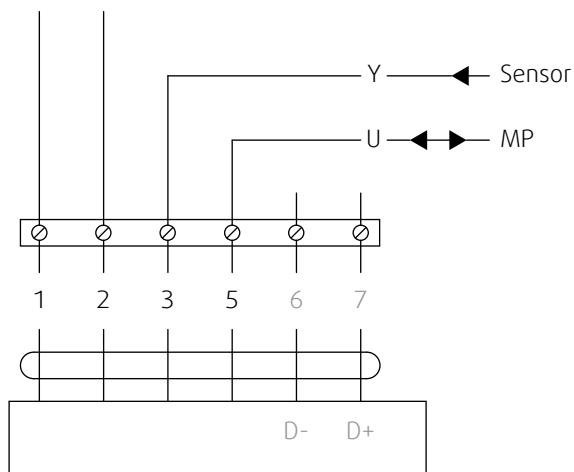
(DC 2 V ... 10 V)



-BLC1

MP-Bus

1 ~ AC 24 V
- + DC 24 V

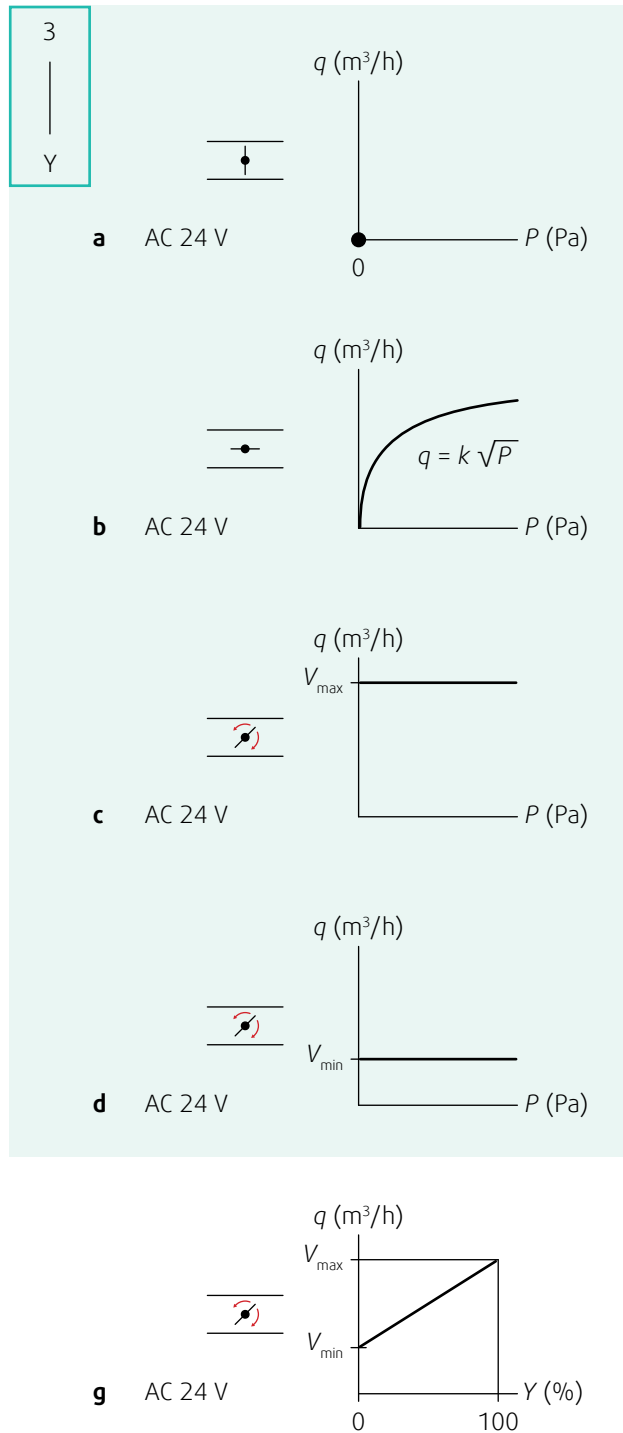
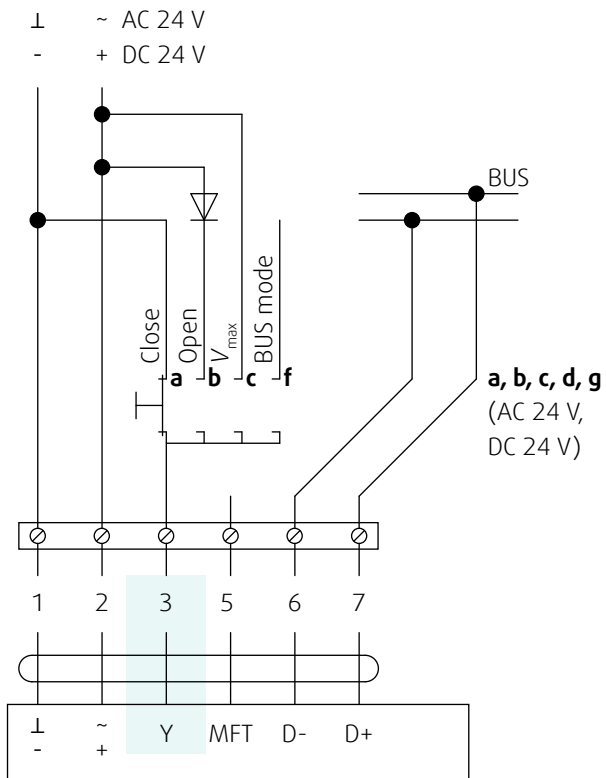




OPTIMA-S...

-BLC1KNX

(BUS)

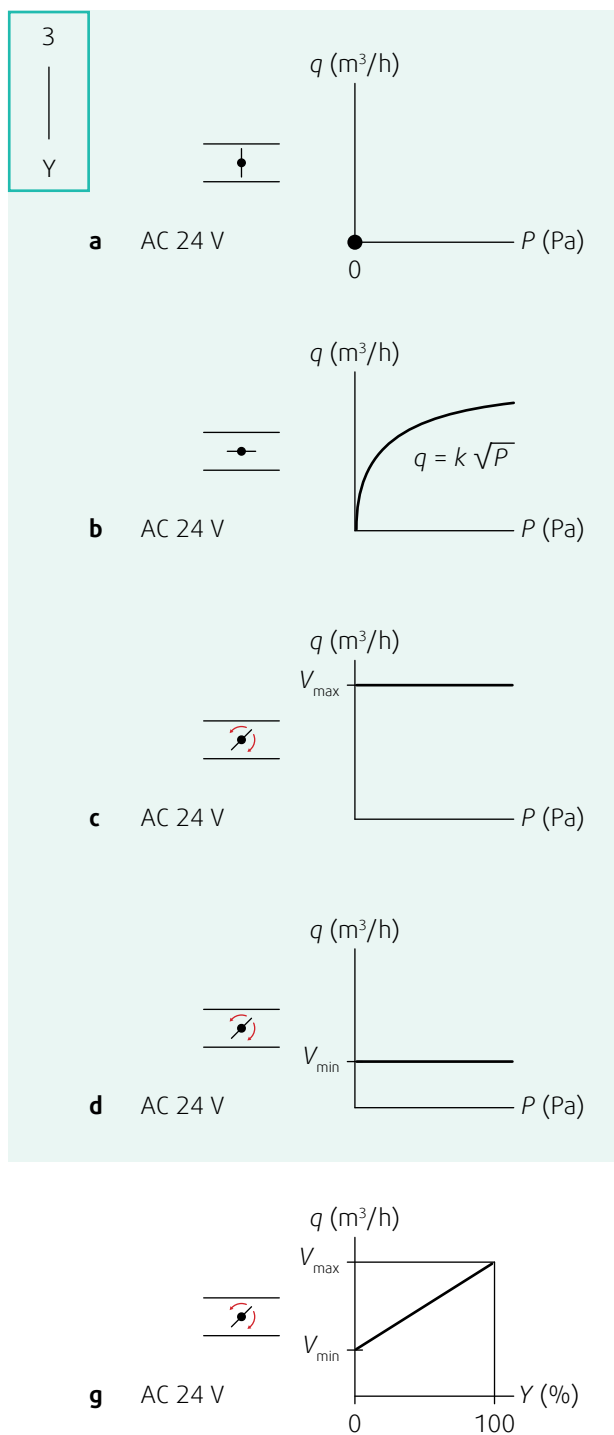
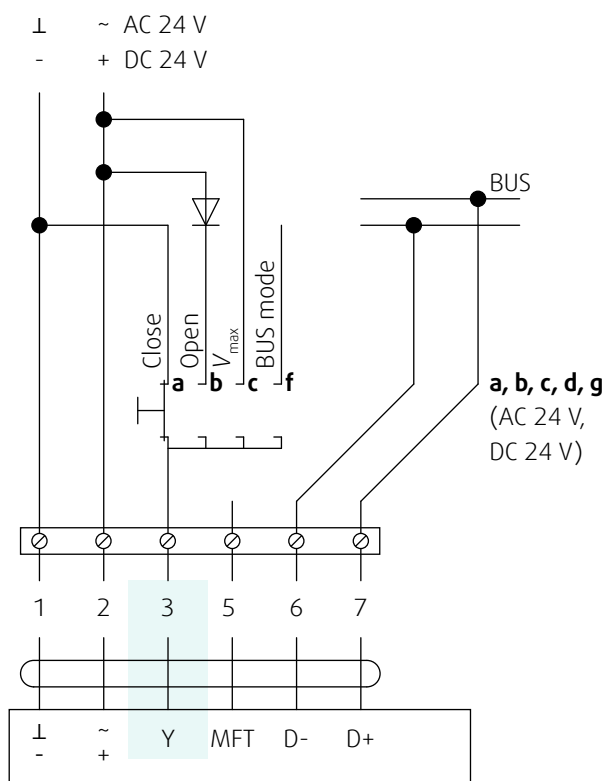




OPTIMA-S...

-BLC1LON

(BUS)

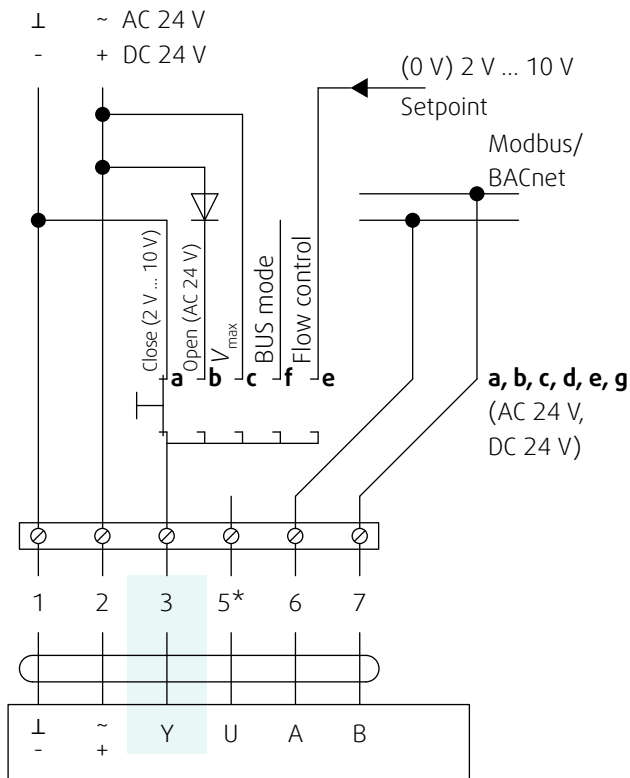




OPTIMA-S...

-BLC1MOD

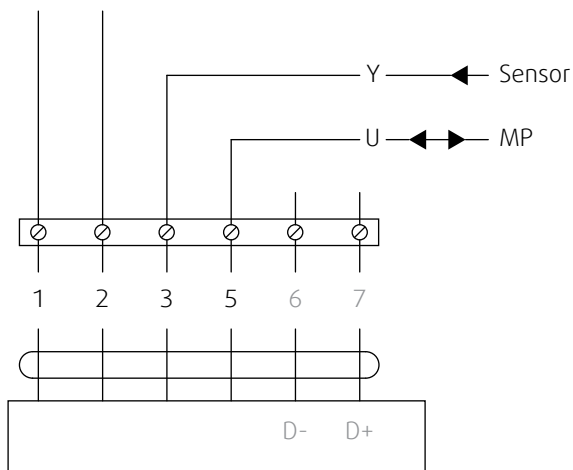
(BUS/DC (0V) 2 V ... 10 V)



* 2 V ... 10 V Feedback

MP-Bus

1 ~ AC 24 V
- + DC 24 V



a AC 24 V q (m³/h) P (Pa)

b AC 24 V q (m³/h) P (Pa)
 $q = k \sqrt{P}$

c AC 24 V q (m³/h) P (Pa)
 V_{max}

d AC 24 V, DC 24 V q (m³/h) P (Pa)
 V_{min}

e AC 24 V, DC 24 V q (m³/h) U_c (V)
 V_{max}
 V_{min}
0 10

AC 24 V, DC 24 V q (m³/h) U_c (V)
 V_{max}
 V_{min}
0 2 10

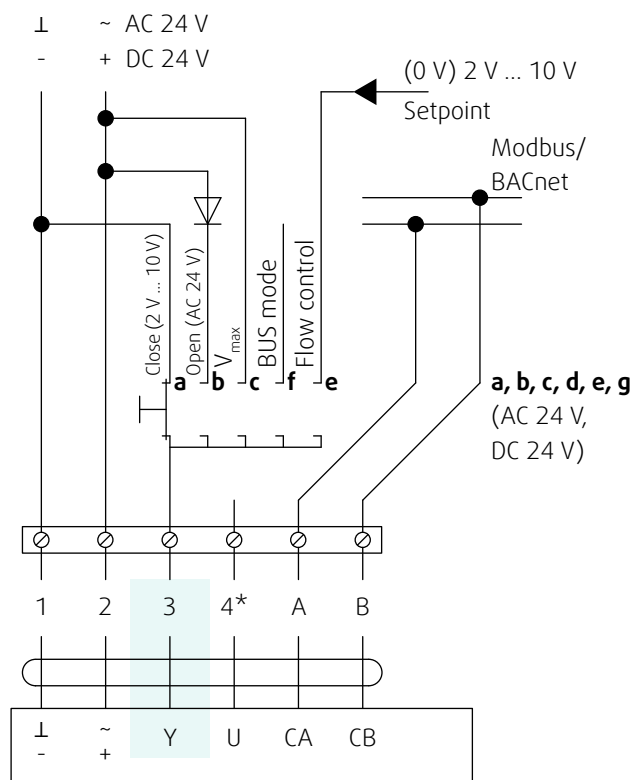
g AC 24 V, DC 24 V q (m³/h) Y (%)
 V_{max}
 V_{min}
0 100



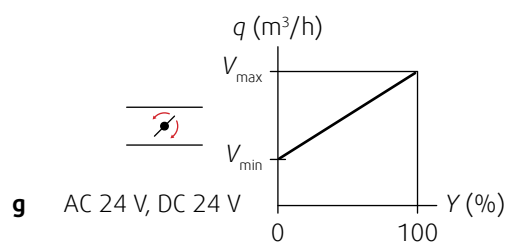
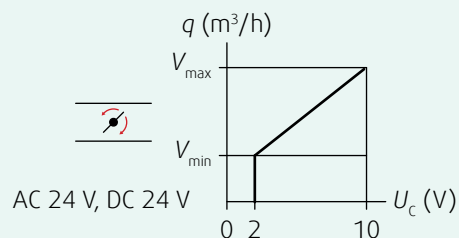
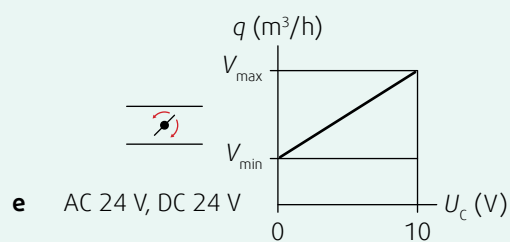
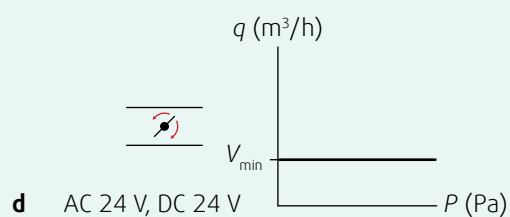
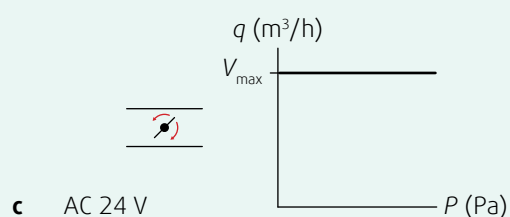
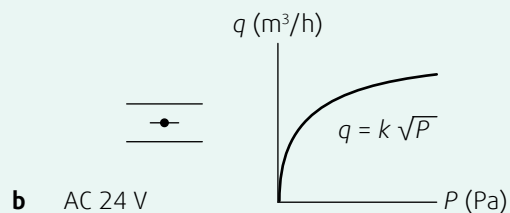
OPTIMA-S...

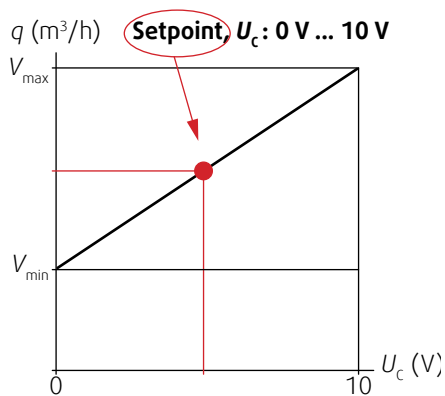
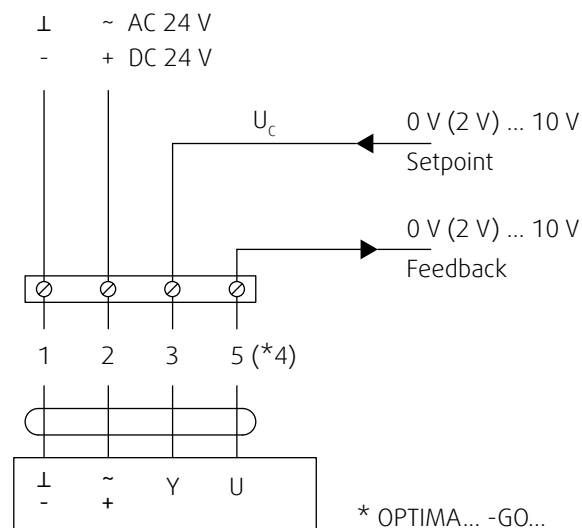
-GOMOD

(BUS/DC (0V) 2 V ... 10 V)

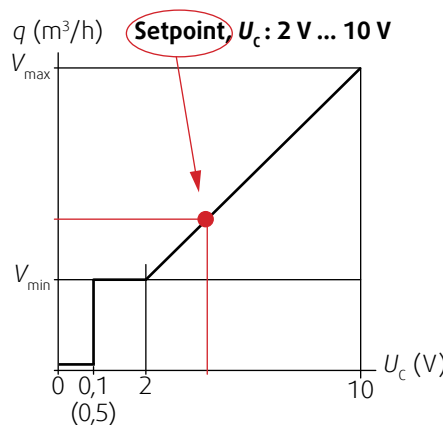


* 0 V (2 V) ... 10 V Feedback

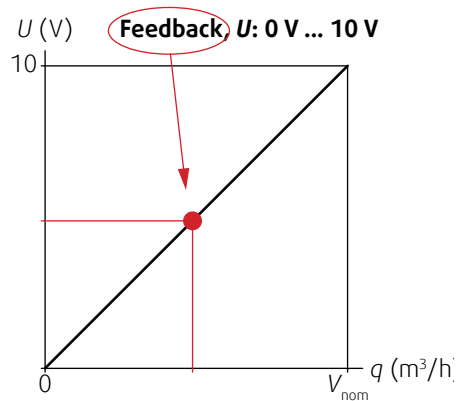
3
Y



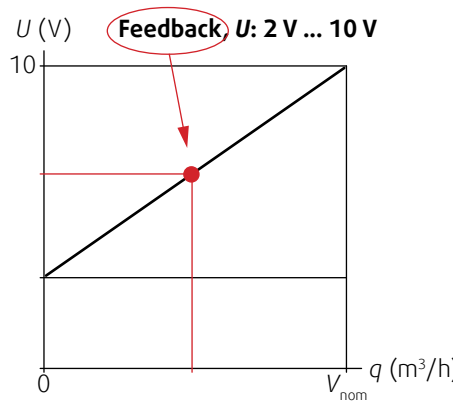
$$U_c = \frac{q - V_{\min}}{V_{\max} - V_{\min}} \cdot 10$$



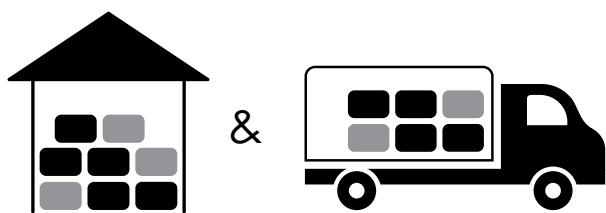
$$U_c = 2 + \frac{q - V_{\min}}{V_{\max} - V_{\min}} \cdot 8$$



$$q = \frac{U}{10} \cdot V_{\text{nom}}$$



$$q = \frac{U - 2}{8} \cdot V_{\text{nom}}$$



 °C -20°C ... +50°C

 % ≤ 95%



 °C -20°C ... +50°C

 % ≤ 95%



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