



v.05 NO 02.23

**NO Monteringsanvisning**  
**Desentralt ventilasjonssystem**  
**med varmegjenvinning**  
**Serie e<sup>2</sup>**

- Anvisningen videreleveres til bruker -

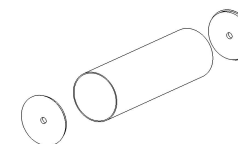
**EN Installation Manual**  
**Decentralised Ventilation**  
**System with Heat Recovery**  
**Series e<sup>2</sup>**

- Please pass on to user -



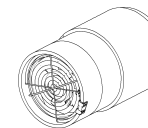
**Innholdsfortegnelse / Content**

**9/R 160-500 36765**  
**9/R 160-700 39891**



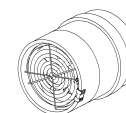
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**e<sup>2</sup> 39993**



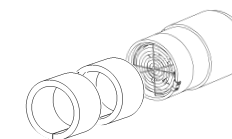
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**e<sup>2</sup>kort 40003**



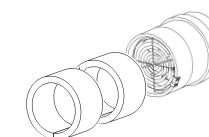
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**e<sup>2</sup>60 41157**



7

**e<sup>2</sup>60kort 40150**



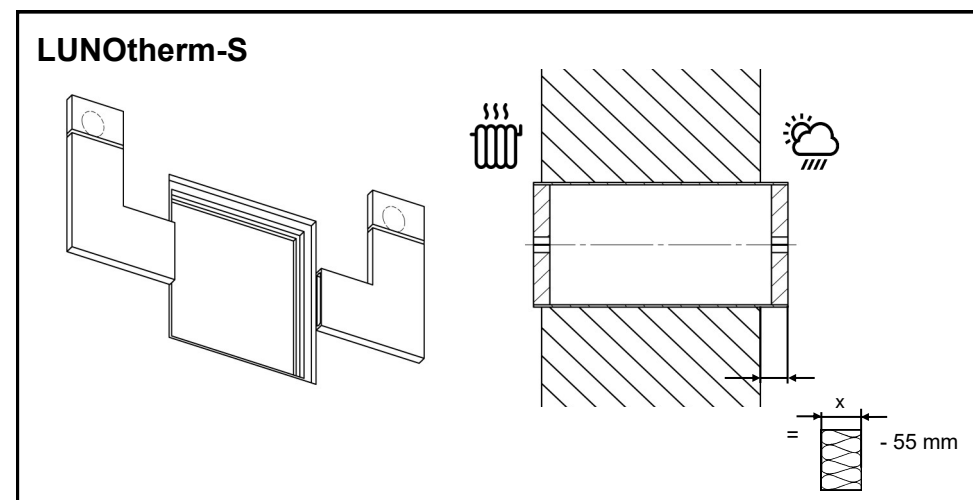
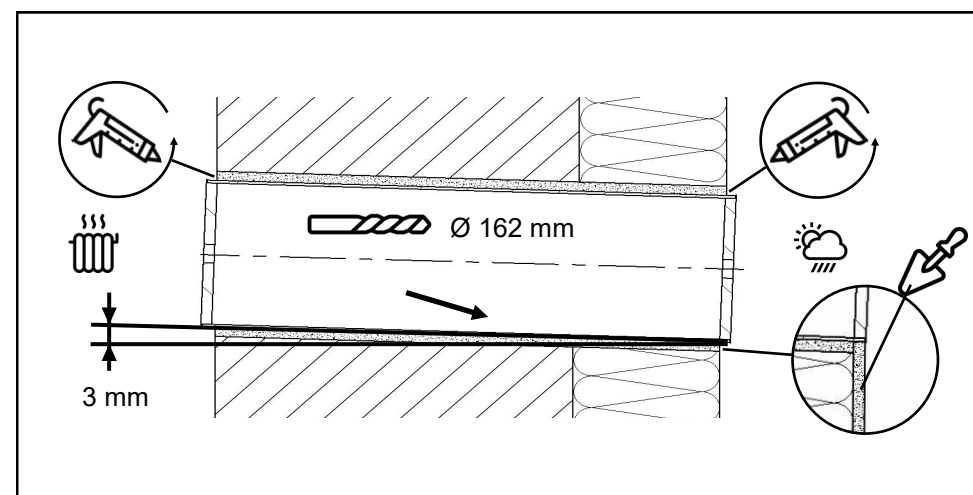
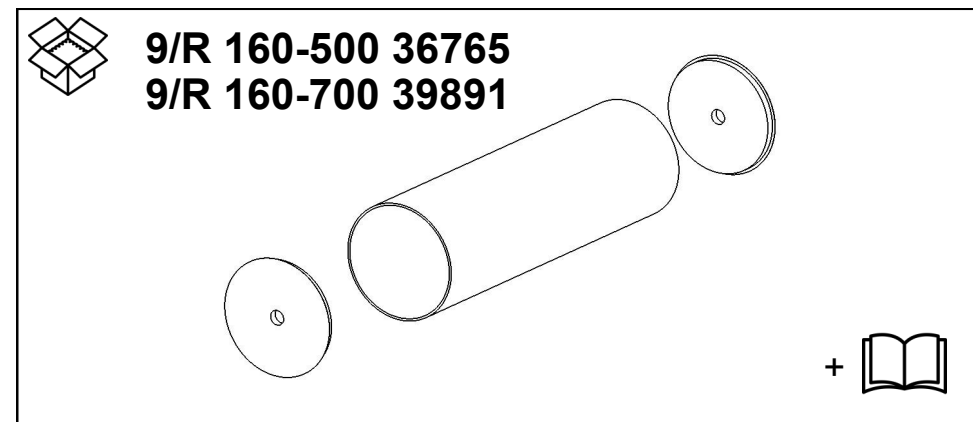
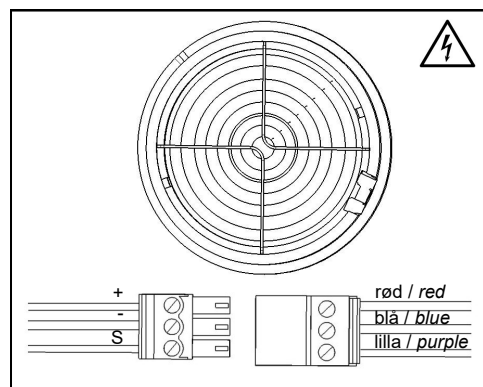
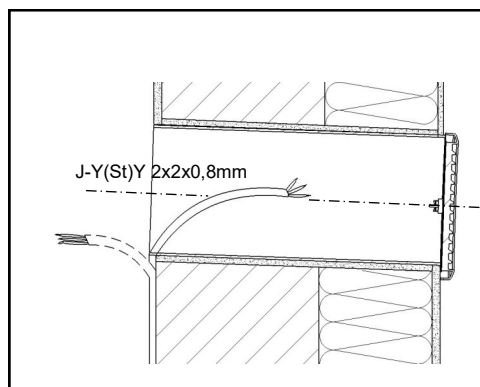
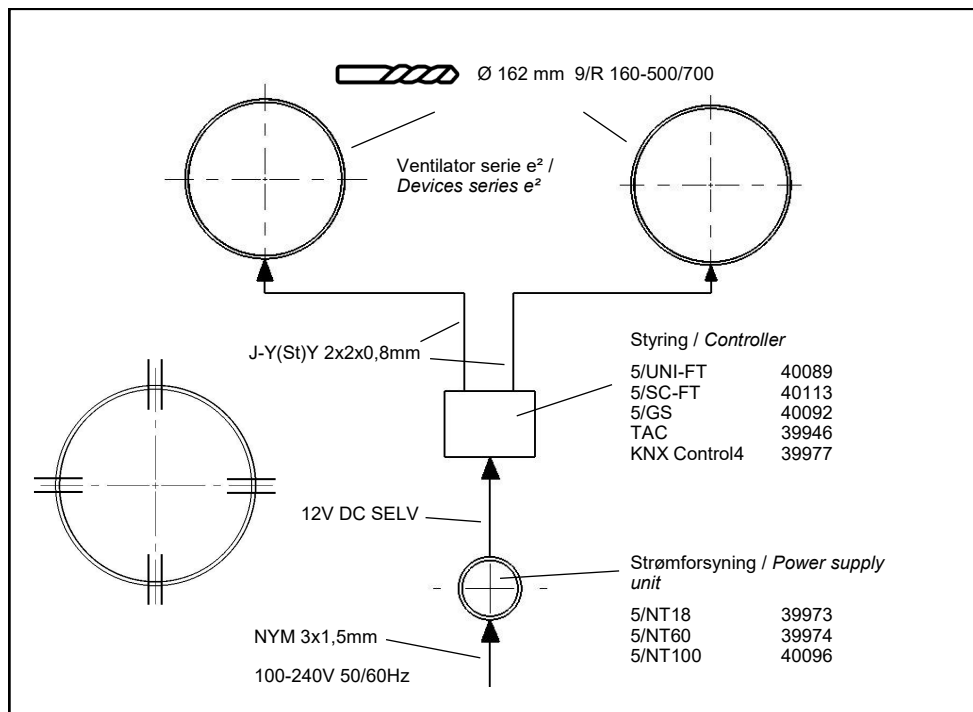
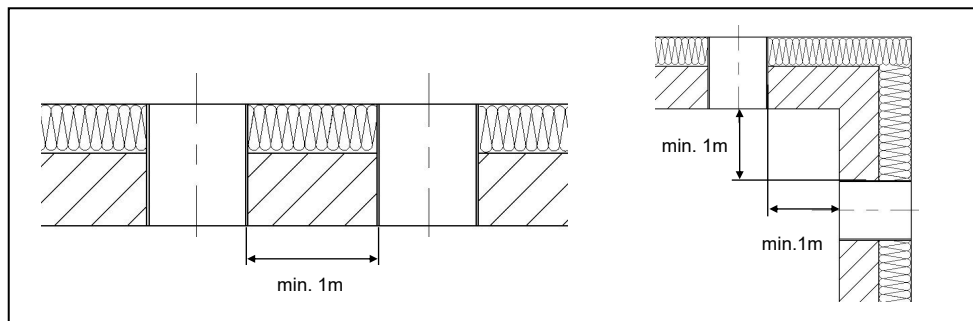
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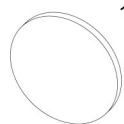
**Elektrisk tilkobling**  
**Electrical connection**

9

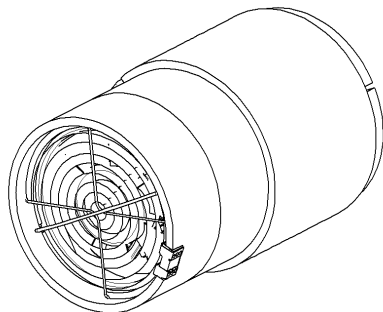
**Anvisninger**  
**Notes**

11  
 12

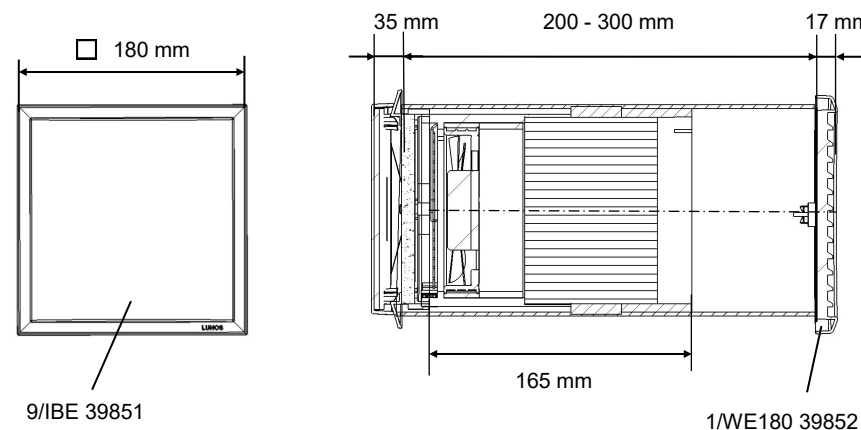
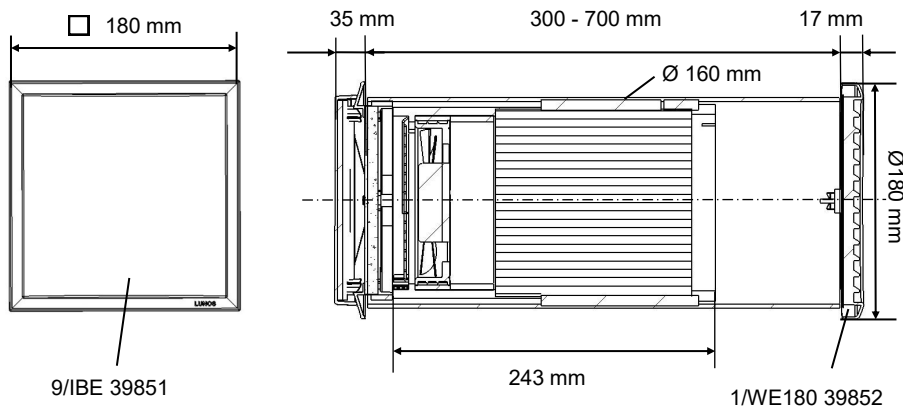
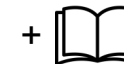
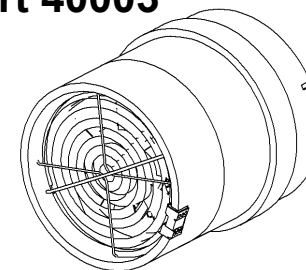


**e² 39993**

1 (9/FIB-3R 37214)

**e²kort / e²short 40003**

1 (9/FIB-3R 37214)



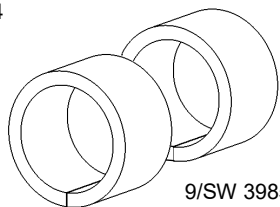
|                                                            |                             |
|------------------------------------------------------------|-----------------------------|
| Driftsspenning / Unit voltage                              | 12 V DC SELV, max. 12,6 V   |
| Mål (Ø x L) / Dimensions (Ø x l)                           | Ø 154 mm, 243 mm            |
| Beskyttelsesklasse / Protection class                      | IP 22                       |
| Luftmengde / Volume flow                                   | 15 - 38 m³/h                |
| Lydeffektnivå / Sound power level                          | 29 - 49 dB (A)              |
| Lydtrykksnivå 1 m / Sound pressure level 1 m               | 21 - 41 dB(A)               |
| Varmegjenvinningsgrad / Heat recovery rate                 | 88%                         |
| Spesifikt effektforbruk (SPI) / Specific power consumption | 0,228 kW/m³/s (0,08 W/m³/h) |
| Energiklasse / Energy efficiency class                     | A+                          |
| DIBt godkjenning / DIBt approval                           | Z-51.3-450                  |

|                                                            |                             |
|------------------------------------------------------------|-----------------------------|
| Driftsspenning / Unit voltage                              | 12 V DC SELV, max. 12,6 V   |
| Mål (Ø x L) / Dimensions (Ø x l)                           | Ø 154 mm, 165 mm            |
| Beskyttelsesklasse / Protection class                      | IP 22                       |
| Luftmengde / Volume flow                                   | 15 - 38 m³/h                |
| Lydeffektnivå / Sound power level                          | 29 - 49 dB (A)              |
| Lydtrykksnivå 1 m / Sound pressure level 1 m               | 21 - 41 dB(A)               |
| Varmegjenvinningsgrad / Heat recovery rate                 | 86%                         |
| Spesifikt effektforbruk (SPI) / Specific power consumption | 0,228 kW/m³/s (0,08 W/m³/h) |
| Energiklasse / Energy efficiency class                     | A+                          |
| DIBt godkjenning / DIBt approval                           | Z-51.3-450                  |

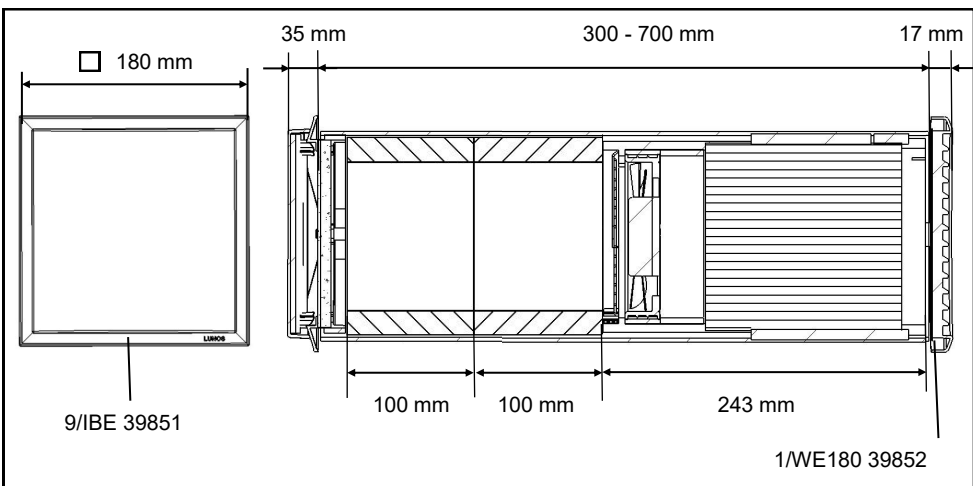
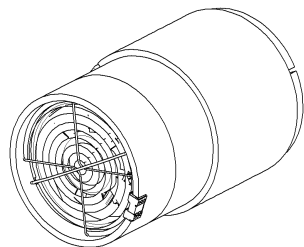


## e²60 41157

9/FIB-3R 37214



9/SW 39850

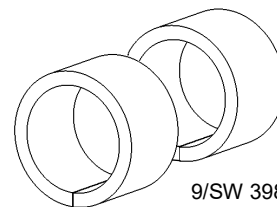


|                                                            |                            |
|------------------------------------------------------------|----------------------------|
| Driftspenning / Unit voltage                               | 12 V DC SELV, max. 12,6 V  |
| Mål (Ø x L) / Dimensions (Ø x L)                           | Ø 154 mm, 243 mm           |
| Beskyttelsesklasse / Protection class                      | IP 22                      |
| Luftmengde / Volume flow                                   | 5 - 60 m³/h                |
| Lydeffektnivå / Sound power level                          | 18 - 56 dB(A)              |
| Lydtrykksnivå 1 m / Sound pressure level 1 m               | 10 - 48 dB(A)              |
| Varmegjenvinningsgrad / Heat recovery rate                 | 85%                        |
| Spesifikt effektforbruk (SPI) / Specific power consumption | 0,18 kW/m³/s (0,05 W/m³/h) |
| Energiklasse / Energy efficiency class                     | A+                         |
| DIBt godkjenning / DIBt approval                           | Z-51.3-455                 |

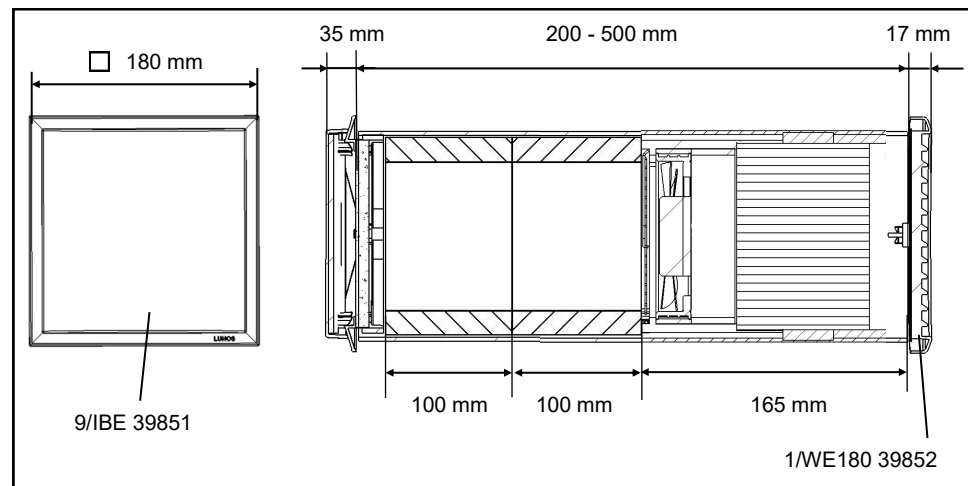
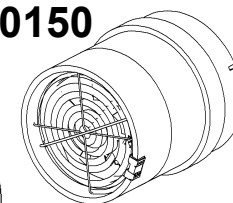


## e²60kort / e²60short 40150

9/FIB-3R 37214



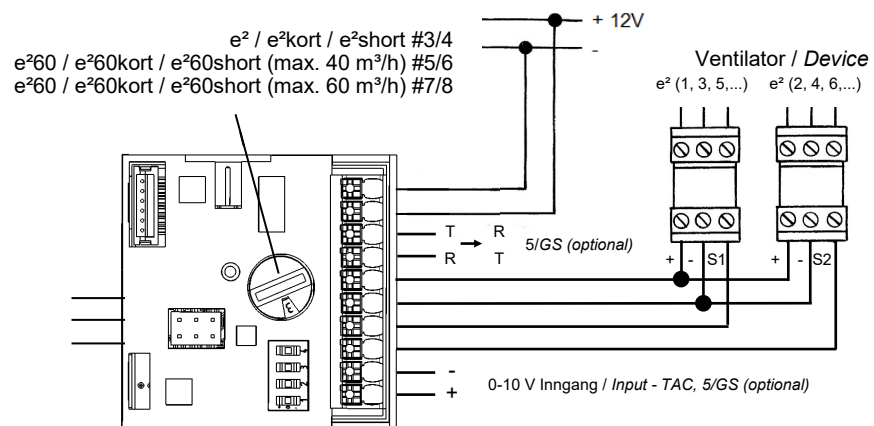
9/SW 39850



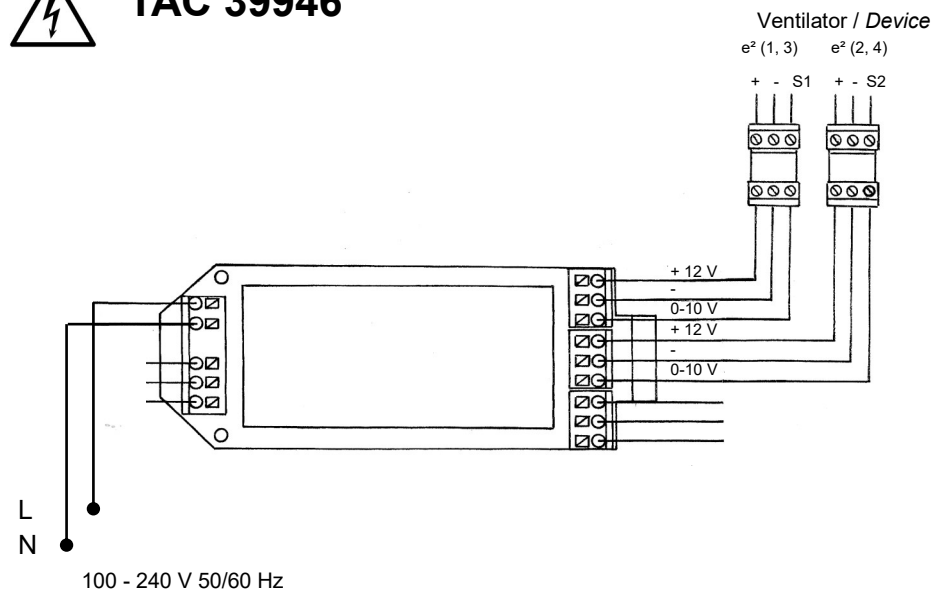
|                                                            |                            |
|------------------------------------------------------------|----------------------------|
| Driftspenning / Unit voltage                               | 12 V DC SELV, max. 12,6 V  |
| Mål (Ø x L) / Dimensions (Ø x L)                           | Ø 154 mm, 165 mm           |
| Beskyttelsesklasse / Protection class                      | IP 22                      |
| Luftmengde / Volume flow                                   | 5 - 60 m³/h                |
| Lydeffektnivå / Sound power level                          | 18 - 56 dB(A)              |
| Lydtrykksnivå 1 m / Sound pressure level 1 m               | 10 - 48 dB(A)              |
| Varmegjenvinningsgrad / Heat recovery rate                 | 83%                        |
| Spesifikt effektforbruk (SPI) / Specific power consumption | 0,18 kW/m³/s (0,05 W/m³/h) |
| Energiklasse / Energy efficiency class                     | A+                         |
| DIBt godkjenning / DIBt approval                           | Z-51.3-455                 |



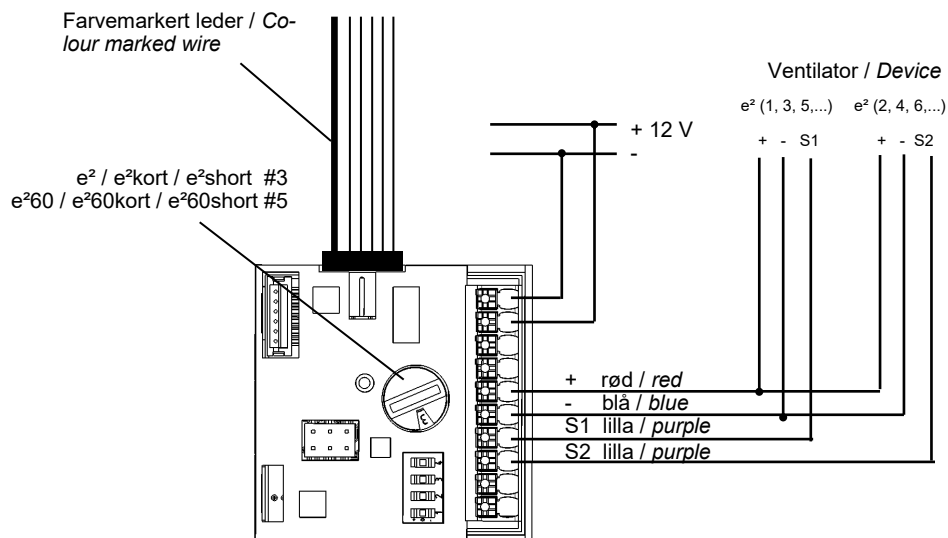
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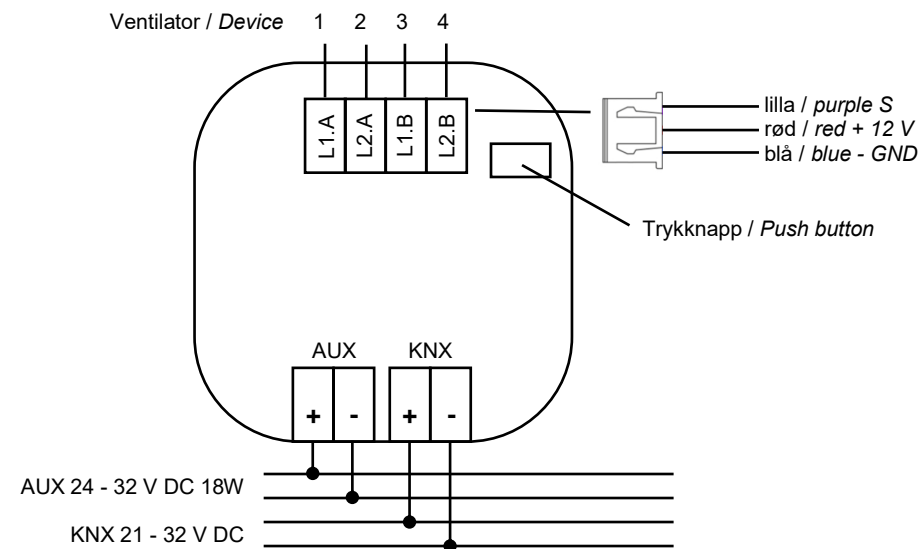
## TAC 39946



## 5/SC-FT 40113



## KNX Control4 39977



## Om denne anvisningen NO

- Denne anvisningen leses grundig og i sin helhet før montasje påbegynnes! Bemerk spesielt generelle sikkerhetsråd og sikkerhetssymboler med henvisninger til tekst.
- Denne anvisningen skal etter sluttført montasje videreleveres til brukeren, (leietager, eier, vaktmester/forvaltningsinstans).

## Avhending



Husk å kildesortere emballasjeavfallet.  
Følg lokalt regelverk for kildesortering og elektronisk avfall ved avhending.

## Plassering

Unngå plassering av ventilatorenhet over ømfindtlige møbler, overflater eller bilder. Veggområdet under ventilatoren bør være 'ledig'.  
Unngå plassering over eller i nærheten av romtermostater.

## Elektrisk tilkobling

- ⚠ Advarsel! Ved alt installasjonsarbeide (netttilkobling og innstillinger) skal nettspenningen være frakoblet.
- ⚠ Før ventilatoren tilkobles nettspenning skal alle tilkoblingsledere være spenningsløse, (frakobling fra nettet med minimum 3 mm kontaktåpning, f.eks sikringsavbrudd).
- ⚠ Alle kretser tilhørende ventilatoren skal være utrustet med jordfeilbryter.
- ⚠ OBS! Elektrisk tilkobling til nettspenning, (230 Volt AC), skal gjøres av autorisert personell, i henhold til gjeldende forskrifter.

Tilleggsinstallasjoner og elektriske komponenter er ikke tillatt i ventilatoren. Ytterligere koblingsskjemer for øvrige ventilatorfunksjoner er tilgjengelige på forespørsel.

Følgende kabeltyper, eller tilsvarende, kan benyttes:

- Kabel til ventilatorenhet, f.eks.: J-Y(St)Y(2x2x0,8), min. 0,5 mm<sup>2</sup>, max. 1,5 mm<sup>2</sup>
- Kabel for tilførsel av nettspenning, f.eks. NYM 3x 1,5 mm<sup>2</sup>

## Tips om LUNOS utvendige ventilatorrister

Ytterdeksler av kunststoff fra Lunos gir god sikkerhet mot slagregn og kan benyttes i anvendelsesgruppe III etter DIN 4108-3 (2012-04)

Deksler av metall eller med metalisert overflate kan benyttes i anvendelsesgruppe I etter DIN 4108-3 (2014-11)

For bygninger med vindeksponert plassering eller med risiko for sterke vind- og regnbelastning mot ytterdekslet, kan det eventuelt kreves ytterligere værbeskyttelse.

## Filtervedlikehold

Kontrollér filteret for tilsmussing hver tredje måned, og rengjør eller skift filter etter behov.  
Påse at innvendig deksel settes i åpen stilling etter filtervedlikehold.

Ventilatoråpningene må ikke tildekkes eller tettes igjen.

**TIPS:** Veiledning for filtervedlikehold er vedlagt de ulike varianter av innvendige deksler.

## About this manual EN

- Read this manual carefully and completely before assembly! Always observe the general safety instructions and the safety symbols with information in the text.
- Hand out this manual to the user (tenants, proprietors, property management etc.) after completing assembly.

## Disposal



The packaging must be sorted before disposal. If you wish to dispose of the device, observe the currently applicable regulations. The municipal office in charge will provide information.

## Installation position

Do not position the device above sensitive furniture, surfaces or pictures; the wall beneath the device should remain unused.  
Do not position the device above or near room thermostats.

## Electrical connection

- ⚠ Caution! Any assembly work (connection to power supply and setting of the miniature switches) may only be carried out after disconnecting the supply voltage.
- ⚠ Make sure that the supply voltage of all connection lines is voltage-free (dead). (Separation from the power supply with a minimum contact opening of 3 mm, e.g. electric fuse).
- ⚠ Each electric circuit of this ventilation system must be fitted with a residual current protection (e.g. FI switch/RCCB).
- ⚠ Electric connection only by a specialist.

Additional installations and electrical components in the ventilation unit are not allowed.  
Connection diagrams for further fan functions upon request.

Use the following cables for the electric connection:

- Cable to the ventilation units: e.g. J-Y(St)Y(2x2x0,8), min. 0,5 mm<sup>2</sup>, max. 1,5 mm<sup>2</sup>
- Cable for the supply voltage of the power supply unit e.g. NYM 3 x 1,5 mm<sup>2</sup>

## Note regarding LUNOS outer covers

The solid plastic outer covers provided by LUNOS ensure high resistance to driving rain and can be used in Stress Group III pursuant to DIN 4108-3 (2012-04). Metal or metal-coated covers can be used in Stress Group I pursuant to DIN 4108-3 (2012-04).  
In the case of buildings exposed to wind or the risk of strong winds and rain to the outer covers, further measures of weather protection may be required.

## Filter replacement

Check the filter (1) every 3 months for contamination. Clean or replace, if required. After inserting the filter, snap the design screen into place in "open position".  
The ventilation openings must not be covered or obstructed.

**Note:** Alternative inner screens are supplied with the corresponding instructions on filter replacement!



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