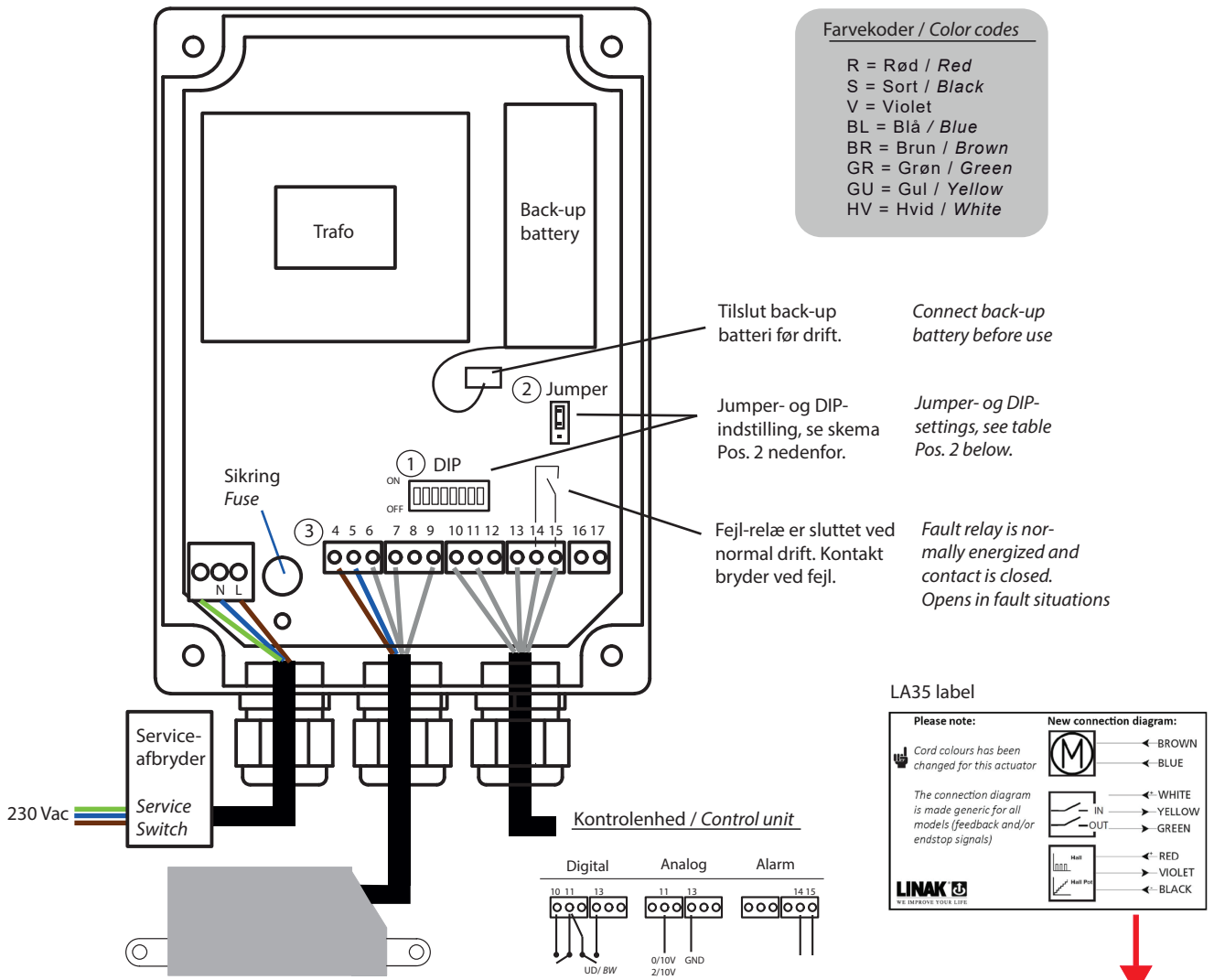


# Ventillationsstyring / Ventilation control EM-322 Basic

Tilslutning og indstilling / Connection, jumper and DIP-settings

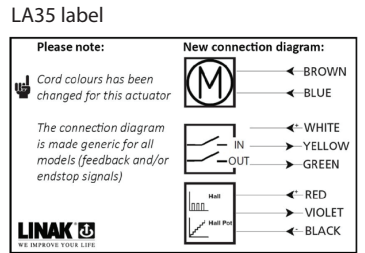


- Farvekoder / Color codes**
- R = Rød / Red
  - S = Sort / Black
  - V = Violet
  - BL = Blå / Blue
  - BR = Brun / Brown
  - GR = Grøn / Green
  - GU = Gul / Yellow
  - HV = Hvid / White

Tilslut back-up batteri før drift. *Connect back-up battery before use*

Jumper- og DIP-indstilling, se skema Pos. 2 nedenfor. *Jumper- og DIP-settings, see table Pos. 2 below.*

Fejl-relæ er sluttet ved normal drift. Kontakt bryder ved fejl. *Fault relay is normally energized and contact is closed. Opens in fault situations*



Pos.	12xPxxxxx24xx	12xBxxxxx24xx	32xxPx-xxxx0xx	33xxxxxxxxxAxxx=xxxx0xxxxxx	3x 12xPxxxxx24xx	35xxxxxAxxxBxx	35xxxxxAxxxBxx
1	DIP ON OFF 12345678	DIP ON OFF 12345678	DIP ON OFF 12345678	DIP ON OFF 12345678	DIP ON OFF 12345678	DIP ON OFF 12345678	DIP ON OFF 12345678
2	Jumper	Jumper	Jumper	Jumper	Jumper	Jumper	Jumper
3	Tilslutning	Tilslutning	Tilslutning	Tilslutning	Act. 1 Act. 2 Act. 3	Tilslutning	Tilslutning

- DIP 5: ON = 2-10V styresignal, OFF = 0-10V styresignal.
- DIP 6: OFF = Fuld åbning ved strømsvigt.
- DIP 7: ON = Modsat som DIP 5 (10-0V / 10-2V signal), OFF = Direkte som indstillet ved DIP 5)
- DIP 8: ON = Parametre kan ændres v.h.j.a EM-236, OFF= Fabriksindstillet parametre.

- DIP 5: ON = 2-10V control signal, OFF = 0-10V control signal.
- DIP 6: OFF = Emergency run position full open.
- DIP 7: ON = inverted control signal (10-0V / 10-2V signal), OFF = Direct control)
- DIP 8: ON = parameters can be modified, OFF= preset default parameter are in use = parameter are fixed.

Specifikationerne kan ændre sig uden forudgående varsel. Det er brugerens ansvar at fastslå LINAK produktets egnethed til en specifik applikation. LINAK vil ved levering ombytte/reparere defekte produkter, som er dækket af garanti, hvis de straks returneres til LINAK Danmark A/S. Der påtages intet ansvar udover denne ombytning/repairation.

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## Ventillationsstyring / Ventilation control EM-322 Basic

Installation og opstart / Installation and start-up instructions

### Installation:

Monter aktuator og motorstyring efter anvisningerne fra leverandøren af ventillationsanlægget.

Tilslut den anvendte aktuator og indstil DIP-switch og jumper i henhold til skemaet på foregående side.

Tilslut forsyningsspænding på 230 VAC +/- 10%. LINAK anbefaler at der monteres en forsyningsadskiller foran motorstyringen.

Tilslut batteriet til styringen.

### Opstart:

Første gang styringen tilsluttes forsyningsspænding og batteri, kan alarmer for lav batterispænding blive aktiveret. Alarmen forsvinder efter en tid når batteriet er ladet tilstrækkeligt af den indbyggede batterilader.

LA12 og LA35 med Hall-pot tilbagemelding, starter en automatisk nulstillingsprocedure hver gang styringen forsynes med spænding. Dette kan tage op til flere minutter indtil aktuatoren er kørt helt ind. Den gule lysdiode blinker under hele proceduren.

### Drift:

Ved normal drift, lyser GRØN lysdiode i låget. Når aktuatoren kører, lyser GUL lysdiode. Styringen går i dvaletilstand efter 60 min. uden forsyning. Ingen diode lyser.

### Fejl indikation:

Fejl i styringen vises med forskellige typer af blink i den grønne lysdiode:

Fejlsignal	Fejl	Afhjælp
1 kort blink	ingen 230VAC forsyning	Kontroller og tilslut 230VAC
2 korte blink	batterifejl	Udskift batteri
3 korte blink	kontrolsignal under 1 volt	Kontroller signal fra styreenhed
4 korte blink	afbrudt på max. strøm	Fjern overbelastning og kørsel i modsat retning

### Installation:

Install the actuator and motor control as instructed by the supplier of the ventilation system.

Connect the actuator used and set DIP switches and jumper in accordance with the diagram on the previous page.

Connect the power supply of 230 VAC +/- 10%. LINAK recommends the installation of an isolator switch before the motor control.

Connect the battery to the control.

### Start-up:

The first time that the control is connected to the power supply and battery, the low battery voltage alarm may be activated. The alarm will stop after a time, when the battery has been sufficiently charged by the built-in battery charger.

LA12 and LA35 with Hallpot report start an automatic reset procedure every time power is connected to the control. This can take up to several minutes, until the actuator is run right in. The yellow light flashes during this procedure.

### Operation:

On normal operation, the GREEN light diode will light up in the cover. When the actuator is running, the YELLOW light diode will light up. The control unit will enter sleep mode after 60 mins with no power connected. All diodes will be switched off

### Error indication:

Control errors are displayed as different types of flashes of the green light diode:

Error signal	Error	Solution
1 short flash	no 230VAC supply	Control and connect 230VAC
2 short flashes	battery error	Replace battery
3 short flashes	control signal below 1 volt	Control the signal from the control unit
4 short flashes	interrupted at maximum power	Remove overload and run actuator in the opposite direction

For yderligere vejledning, henvises til brugsanvisningen på [www.linakthirdparty.com](http://www.linakthirdparty.com)

For detailed instructions please refer to the Instruction manual at [www.linakthirdparty.com](http://www.linakthirdparty.com)

Produceret af / Produced by Electromen OY

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