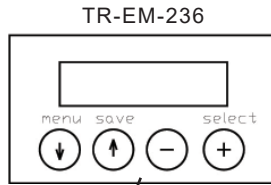
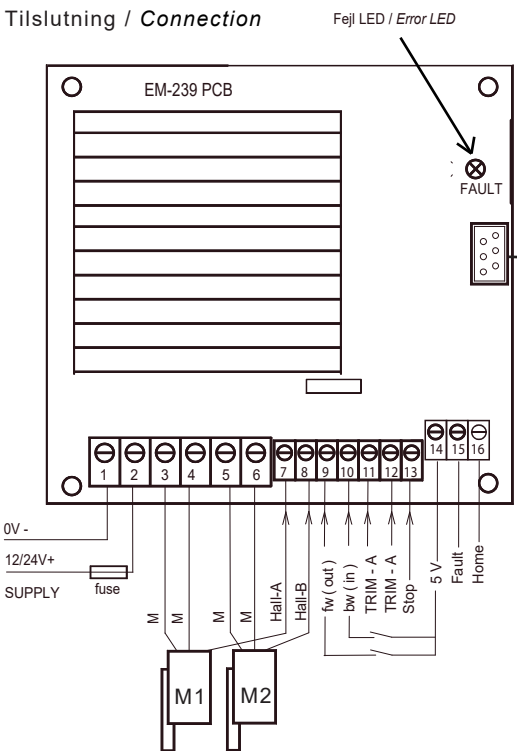


# Motorstyring / Motor Controller Type TR-EM-239

Tilslutning / Connection



NB! Styringen skal være tilsluttet forsyningsspænding for indlæsning af parameter.

NB! The PCB has to be connected to power supply before entering the parameters is possible.

Farvekoder / Color codes

- R = Rød / Red
- S = Sort / Black
- V = Violet
- BL = Blå / Blue
- BR = Brun / Brown
- GU = Gul / Yellow
- GR = Grøn / Green
- OR = Orange
- HV = Hvid / White
- none = Ingen ledning / No wire

Tilslutning af aktuatorer ved hjælp af ledningsfarver / Connection of Actuators by the help of wire colors

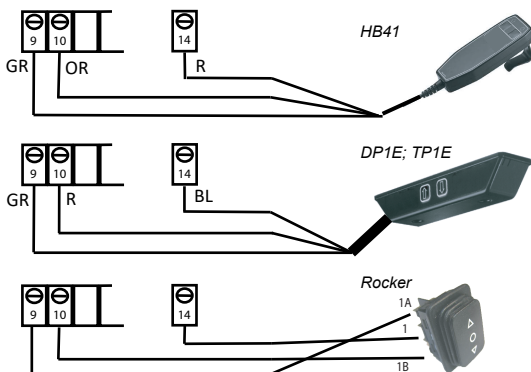
	Terminal	LA12 Reed	LA14/25 Single-hal	LA23 Single-hal	LA23 Dual-hal	LA28 Reed	LP2 Reed	LA30 Reed	LA31 Reed	LA32 Reed	LA35 Single-hal	LA36 Single-hal	LA36 Dual-hal	LA40 Dual-hal	BL1 Single-hal
0V -	1	S	S	S	S	None	None	S	S	None	S	S	S	S	PIN 1
24V +	2	None	R	R	R	None	None	None	None	None	HV	R	R	R	PIN 2
Act. 1	3	R	BR	BR	BR	S	S	R	BR	S	BR	BR	BR	BR	PIN 3
	4	BL	BL	BL	BL	BR	BR	BL	BL	BR	BL	BL	BL	BL	PIN 6
Act. 2	5	R	BR	BR	BR	S	S	R	BR	S	BR	BR	BR	BR	PIN 3
	6	BL	BL	BL	BL	BR	BR	BL	BL	BR	BL	BL	BL	BL	PIN 6
Act. 1	7	HV	V	GU	GR	BL	BL	HV	R	BL	V	GR	GU	HV	PIN 4
Act. 2	8	HV	V	GU	GU	BL	BL	HV	R	BL	V	GR	GR	GR	PIN 4
	11	None	None	None	GR	None	None	None	None	None	None	None	GU	HV	None
Act. 2	12	None	None	None	GU	None	None	None	None	None	None	None	GR	GR	None

**BEMÆRK!** Ved anvendelse af LA23, LA35 og BL1, skal regulator EM-311 anvendes. Se brugsanvisning for diagram.

**REMARK!** The use of LA23, LA35 and BL1 require the use of the regulator EM 311. Please refer to the manual for further infos.

Tilslutning af håndbetjening ved hjælp af ledningsfarver / Connection of a handset by the help of wire colors

Fejludlæsning / Error read out



Blink/ Flashes	Betydning	Meaning
2	Strømgrænse nået (overstrøm)	Power limit reached (overcurrent)
3	Tabt pulstilbage melding	Pulse feedback lost
4	Afvigelse i pulser	Deviation in pulses
5	Overophedning	Overheating

Produceret af / Produced by Electromen OY

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# Motorstyring / Motor Controller Type TR-EM-239

## Parameterindstillinger / Parameter settings

Tilslut programmeringsenheden TR-EM-236 og indlæs nedenstående værdierne for det pågældende aktuator sæt

Connect the programming unit TR-EM-236 to the PCB and enter the values from the list below for the resp. Actuators

Parameter	LA12 Reed	LA14/LA25 Single-Hall	LA23 DualHall	LA28 Reed	LP2 Reed	LA30 Reed	LA31 Reed	LA32 Reed	LA35 Hall	LA36 Hall/Dual	LA40 Hall/Dual	BL1 Single-hall
1	100	100	100	100	100	100	100	100	100	100	100	100
2	60	60	60	60	60	60	60	60	60	60	60	60
3	5	5	5	5	5	5	5	5	0	5	3	5
4	0	0	0	0	0	0	0	0	0	0	0	0
5	20*	20*	20*	50*	50*	50*	50*	50*	50*	100*	40*	50*
6	10	10	10	10	10	10	10	10	10	10	10	10
7	5	5	5	5	5	5	5	5	5	5	5	5
8	0	0	0	0	0	0	0	0	0	0	0	0
9	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	1	0	0	0	0	0	0	1	1	0
14	0	0	0	0	0	0	0	0	0	0	0	0
DIP												

\* Værdi gældende for 24V -motor. For 12V -motor -se datablad.

\* Value is valid for use with 24V -motor. Please refer to Data sheets for use with 12V -motor.

### Opstart (initialisering)

1. Start initialisering ved at trykke på PIL-OP og PIL-NED på samme tid i >3 sekunder.
2. Initialiseringen kan afbrydes ved at foretage en ny procedure som beskrevet under punkt 1.
3. Begge aktuatorerne starter med at køre indad indtil strømgrænsen er nået eller pulstabs stopper motorerne når det mekaniske endestop er nået.
4. Under hele initialiseringsprocessen, blinker fejl LED'en og stopper når begge motorer er stoppet. Enheden er nu nulstillet og pulstællerne er sat til nul.
5. Systemet er klar til brug.

### Starting up (initialization)

1. To initiate the system, push ARROW UP and ARROW DOWN simultaneously for >3 seconds.
2. The routine can be interrupted with a new activation on the buttons discribed under point 1.
3. Both actuators starts running inwards until current limit stops the motors or pulses stops coming .
4. During the drive routine the fault LED will blink slowly. When blinking stops and both motors have stopped, the device has reset the pulse counters.
5. The system is now ready for use.

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)

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