

INSTRUCTION MANUAL DAAB ENCODER DB405

Version 1



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Technical data

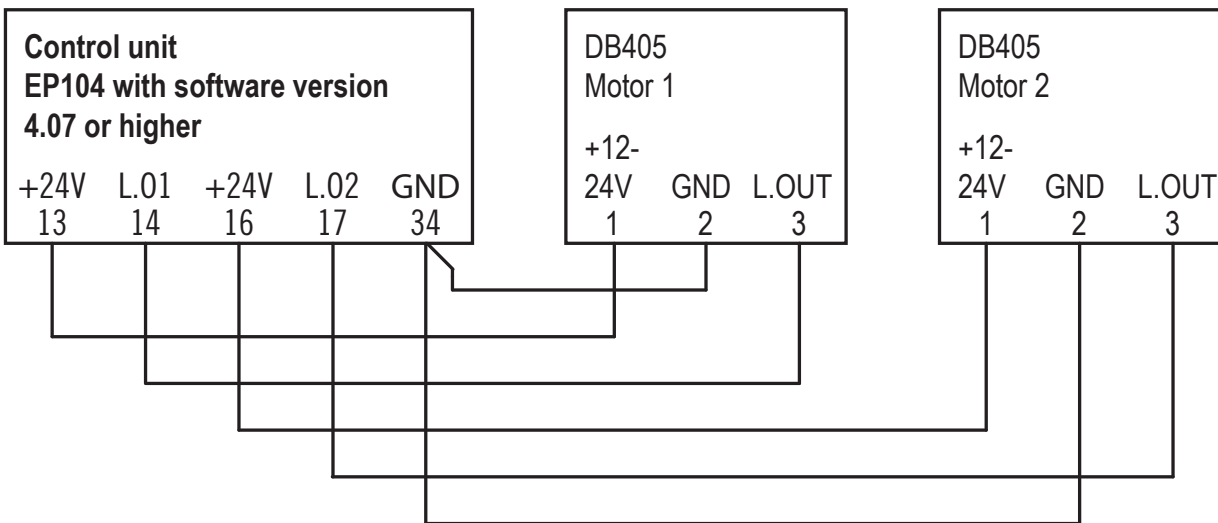
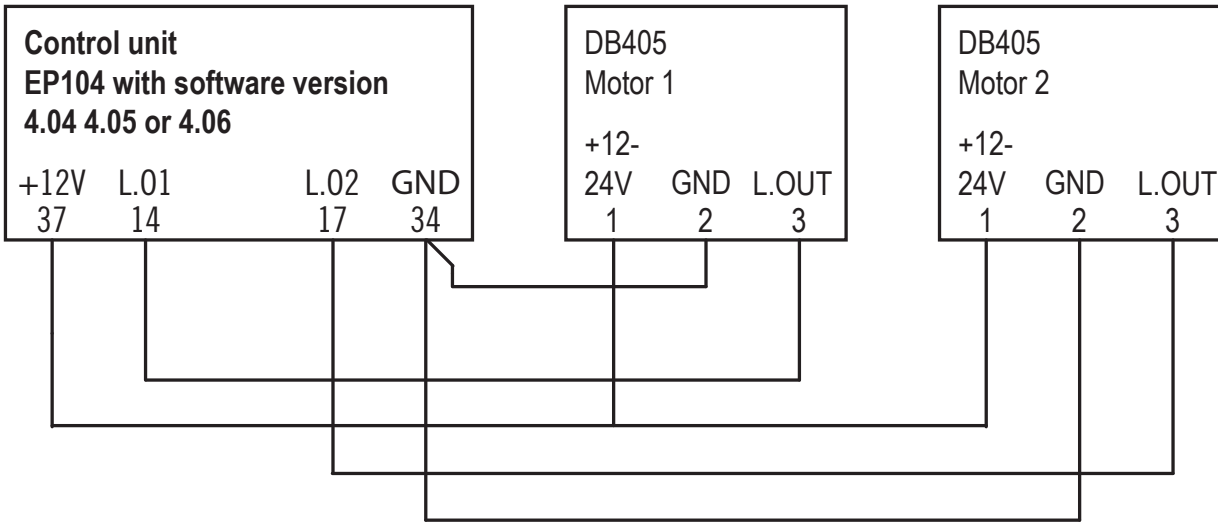
- Temperature range** -40 to 50 °C
- Light indication** The power supply voltage is indicated by a green LED
- Degree of protection** The PCB is designed for internal installation in a DAAB driver unit
- Cable length** Maximum 50 meters at cable area 0.75 mm² (∅ 1 mm).
Note that separate conductors for connecting the DB405 should be used.

If you are to order an encoder as a spare part for mechanical limit switches, please contact FAAC Nordic AB.

Installation of DB405

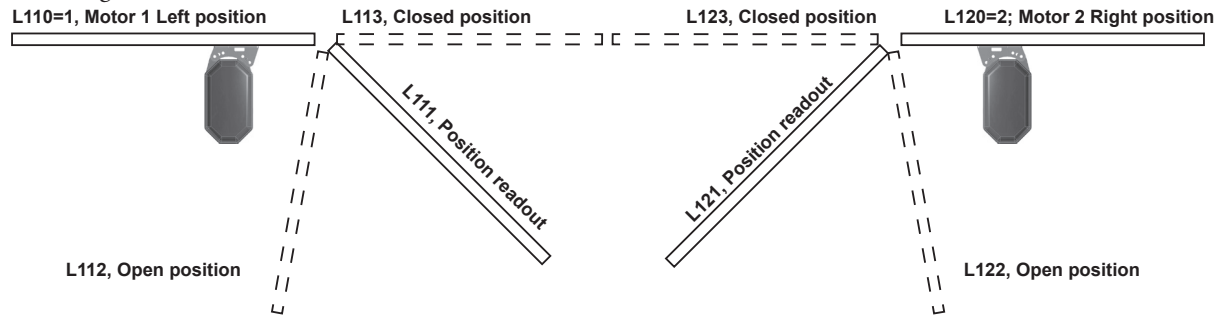
The encoder is a circuit board that together with a magnet replaces mechanical limit switches. The encoder transforms the magnet's position to a voltage which then EP104 converts to a number of degrees. In EP104, you set the limits for open and closed positions in the L-channels. The encoder is working with drive units MK, MA, MK2, MA2 and MT. For more information see Instruction Manual for Control Unit EP104.

- **Connecting an encoder (electronic limit switch)**
The encoder is connected to EP104 as shown below.



- Left or right encoder position

In order for EP104 to determine that the motor is moving in the correct direction, the settings in L-channels must be made correctly. To find out which drive unit to be left or right, see picture below. Top mounted drive unit with one motor should be set as right.



- Connections

The Encoder terminals work as shown in the table below.

No	Function
1	Power supply 12-24 VDC
2	GND
3	Analog output to EP104
4-9	Free connection points, Max 24 VDC, the terminals have no function for the encoder.

- Light indication

To the left of terminal number 1 there is a LED indicator that lights green when the card is powered by 12-24 VDC.

Description of the magnet

The magnet that is mounted on the shaft has to be adjusted due to top mounted or side mounted drive unit. Before the magnet adapter could be rotated the screw at the side of the adapter must be loosened. On a side mounted drive unit the arrow on the magnet should point at the drive arm. On a top mounted drive unit the arrow should point away from the drive arm.



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