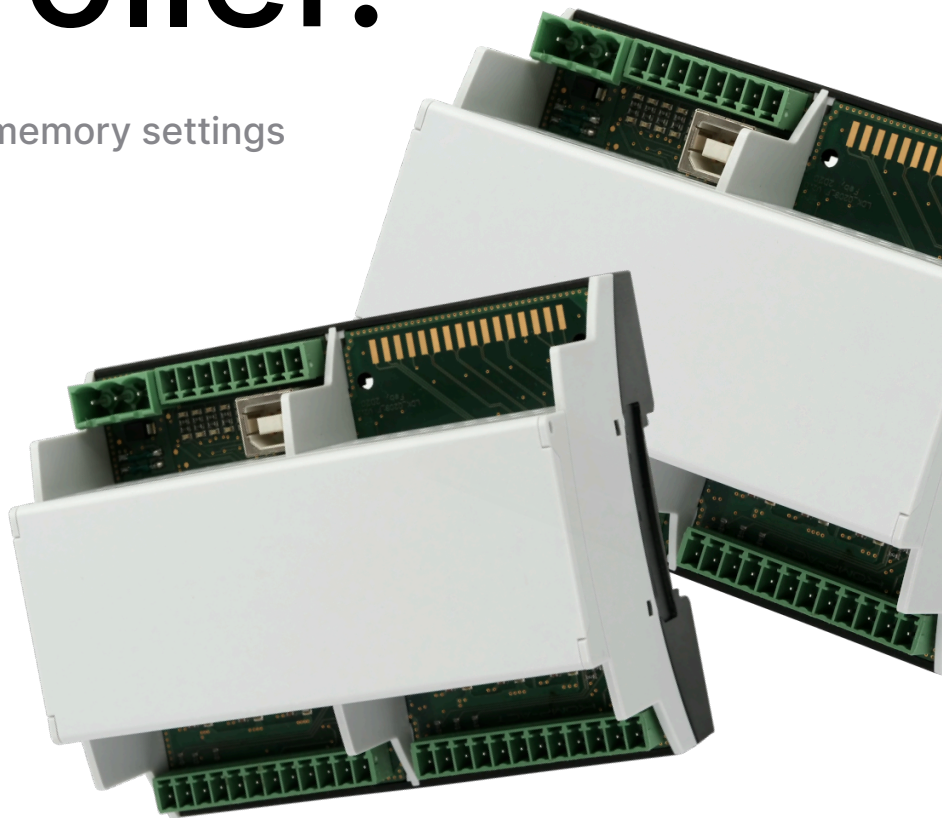


KOMP-ACT

KDRV-1-MK-X-X

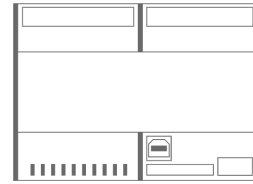
Electronic Controller.

With dual control and memory settings



 **HOMBERGER**

The controller can program and actuate two actuators independently to perform two different and independent tasks (in terms of stroke, transfer time forward and backward). The control algorithm automatically calculates the optimum motion profile to reach the maximum efficiency.



Top view



Technical Data

Power supply, V_{+in} [V] DC	24/48
Command signal, Sig_{cont} [V] DC	5-24
Power supply current limit, I_{lim} [A]	8
Ground connections, Gnd QTY	2
User interface port, InP Type	USB B RNDIS through TCP/IP
Motor power supply, V_{out} [V] DC	24/48
Start-up delay *, De_{max} [s]	3
Number of actuators supported, N QTY	2
Temperature range, T_{op} [°C]	From 0 to +80
Cooling **, C_{typ} Type	Passive
Dimensions [mm]	107 × 89.7 × 62.2
Weight, W [g]	160
Support, SU_{typ} Type	DIN rail (DIN43880, NS 35)

* The start up delay is related to the initial powering of the board and not to the actuator's first movement.

** Keep a minimum distance of 20 mm free in front of the ventilation holes to ensure adequate airflow

Functionalities & Requirements

Product compatibility

The KDRV-1-MK-X-X electronic controller is intended to be used in conjunction with compatible KOMP-ACT products, including the KLA and KLM product lines and KOMP-ACT's end-user interface.

Programmability & dual control

The controller can program and actuate two KLA, KLM or a both series of actuators independently to perform two different tasks. The control algorithm automatically calculates the optimum motion profile for maximum efficiency.

Memory settings

The actuator memorizes the latest settings. So, it does not require to be programmed at each power up. The calibration will be automatically performed. The actuators can be replaced at the end of their lifetime without reprogramming.

Power supply input

Two different supply voltages (i.e. 24V and 48V) are available for different applications: three- or mono-phase linear / rotary actuator.

Motor output

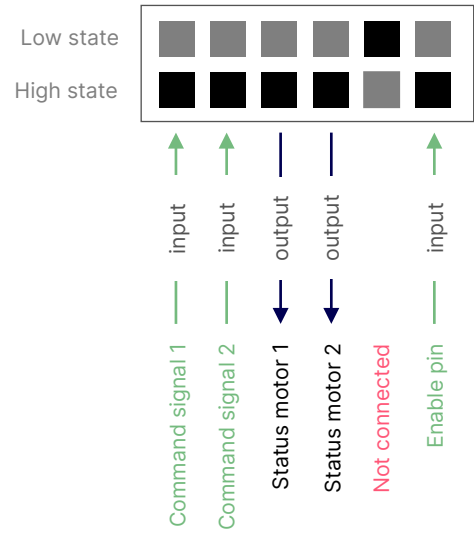
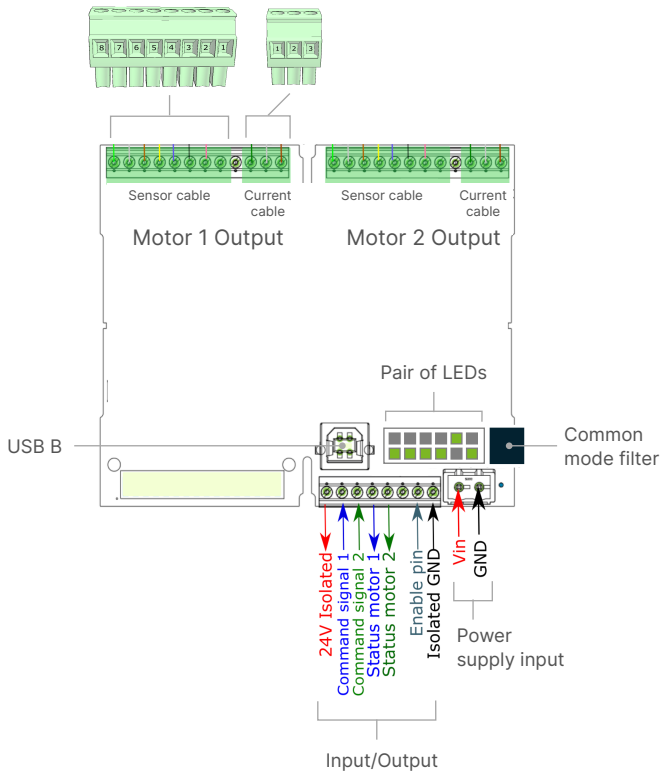
There are two signals output (i.e. status motor) to notify the status of the movement for both actuators. These signals are logical high (24V) if the motion is successfully achieved, which will be shown as a red LED.

USB B Port

The KDRV-1-MK-X-X electronic controller requires a USB B cable to access the end-user software, which should be plugged directly on the USB port of the controller.

Wiring Scheme

Edition 5 16/09/2022
Subject to alterations



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