

DECV 50/5 4-Q-EC Amplifier

DIGITAL



Operating modes

Speed controller for speeds from 1,000 rpm (not suitable for positioning tasks).
Controlled operation with acceleration and braking

Easy start-up procedure

Plug-in terminal clamps, simple adjustment using DIP switch.
Stable speed behaviour when set value and disturbance variable change

Reduced motor heating

Internally controlled DC link voltage reduces motor current ripple (lower self-heating of motor), particularly suitable for low-impedance motors. No additional motor chokes required

Flexible

Robust and compact modular metallic housing offers various mounting options.
Wide input voltage range 12 -50 VDC

Protection circuit

Protected against over current, over voltage, under voltage, short-circuit of motor cables against each other and thermal overload

The DECV 50/5 (Digital EC Controller Voltage regulated) is a small-sized 4-Quadrant digital speed controller for controlling of brushless EC motors up to 250 watts. The brushless EC motor must be only equipped with Hall sensors.

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DEC 70/10 4-Q-EC Amplifier

DIGITAL



Operating modes

Voltage regulator with IxR compensation, Hall sensor speed controller (from 1,000 rpm) and current controller (suitable for positioning tasks) can be adjusted with DIP switch

Easy start-up procedure

Separable terminal clamps, set value input external (+/-10 V) or using internal potentiometer, simple adjustment with few potentiometers

Design

Resistant metallic housing with various mounting options with excellent electromagnetic features

Protection circuit

Protected against over current, over voltage, under voltage, short-circuit of motor cables against each other and thermal overload

The DEC 70/10 (Digital EC Controller) is a small 4-Quadrant digital controller for controlling of EC motors up to 700 watts. The brushless EC motor must be only equipped with Hall sensors.

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