

Mini-sized genius



Perfect combination: MCC and stepper motors

You can always rely on phytron when it comes to finding a solution tailored to your requirements. The freely programmable 2-axes stepper motor controller MCC unites advanced technology and quality. Ideal for demanding implementation areas:

- **Kompakt**
for easy wall or DIN rail mounting
- **Safe**
for use under high safety requirements
- **Well-designed**
cable clamps for shield connection and connection cable strain relief



As certified manufacturer to ISO 9001 and ISO 13485:2003, phytron is an experienced partner, also especially in the medical sector.

An impressive concept

phytron has successfully packed a wealth of features into a compact format. With technology in two different versions. MCC-1 as 1-axis controller and MCC-2 as 2-axes controller. The freely programmable MCC controller features a RS interface for easy programming on the PC with MC-COMM, a communication software for WINDOWS operating systems and efficient communication with the higher level control system.

- In proven MiniLog format to DIN 66025, the MCC stepper motor controller is easy to program.
- Manual moving of axes is enabled via a joystick per analogue input.
- Stand-alone operation possible. Program start via local/remote switch.
- The MCC stepper motor controller is available both for one and two axes.
- Parallel operation of up to 16 axes (RS485/4-wire)

Safe performance

You can trust in the expertise of phytron as an experienced specialist. For here, high quality and maximum safety are united to form a perfectly reliable solution.

- Evaluation of encoder signals.
- Enable input for power and joystick feature as additional safety elements.
- Optically isolated digital inputs and outputs, limit switch inputs and power enable inputs.

Competent phytron advice

Besides our technology, take advantage of our excellent full service: the targeted approach of our specialists assures the optimum solution for all applications. Be it for stepper motors, servo motors or an intelligent combination of the two. The know-how of our experts consistently guarantees the fine tuning of all components. Even unconventional challenges can thus be surmounted with superior and far-sighted solutions. Discover for yourself the entire spectrum of consultancy expertise offered by phytron:

- **Engineering support**
Extensive support at the concept stage and in the selection of motors and controllers
- **Applications**
Tailored solutions and commissioning of motors, electronics and software
- **User software**
Customising of standard software to the respective requirements
- **On-site troubleshooting**
No fault escapes us
- **Hotline**
Professional instant support per telephone
- **After sales service**
Extensive assistance on commissioning, repairs and supplying spare parts



The programmable stepper motor controller MCC

Qualities that speak for themselves – and the exceptionally reliable phytron MCC stepper motor controller.

- 2-axes stepper motor controller with power stages for the bipolar control of 2-phase stepper motors
- Phase currents up to 3.5 A_{PEAK}
- Precision current control according to the patented SYNCHROCHOP principle
- Supply voltage 24 to 48 V_{DC}
- Step resolution up to 1/256 step
- RS 232, RS 485/4-wire or USB interface
- Programming in proven MiniLog format to DIN66025
- 128 kB program memory
- Remote or local operation
- Analogue input for joystick connection
- 8 digital inputs / 8 digital outputs
- Status LED
- Encoder evaluation, quadrature signals or SSI
- Compact design with wall or DIN rail mounting



Driven by experience – fired by innovation



Our most precious asset, past and present, is the conscientious work ethos of our

highly qualified employees. And our greatest incentive is the strong will to move that bit more – with innovative technologies, terrific speed and exemplary flexibility.

For the name phytron is synonymous with the passionate commitment of a progressive mindset. All these impetuses allow us to keep abreast of our customers – always. For the individual development of long-serving products “Made in Germany“.

phytron

customized solutions
in motion

Phytron-Elektronik GmbH
Industriestraße 12, 82194 Gröbenzell, Germany

Telephone: +49 (0)8142-503-0

www.phytron.de

Compact Power

MCC

The programmable stepper motor controller for 1 or 2 axes

NEW!



customized solutions
in motion