



Controller M2302 II

Constant current controller for

magnetic powder clutches / brakes

Magnetic powder clutches / brakes, which are fed by the controller M2302 II, do not show a change of the torque by heating.

Application:

- tension brake / wind up
- torque control
- torque limiting
- speed control
- coupling operation
- starting control

Option PID-regulator Z2:

- tension control
- breaking force control
- torque measuring
- dancer position control

Construction of the device:

EMC-case IP 20 with front panel for 19-inch mounting (3U / 21HP) or wall mounting on DIN mounting rail

- net potential-free
- current output max. **2A** (optional 3A)
- output voltage max. **40V DC**
- voltage supply 230V AC, 50/60Hz
- control inhibit
- set point voltage 0-10V DC
- set point integrator +/- adjustable
- add-on set point input 0-10V DC
- min/max current limit adjustable
- quick-stop-function adjustable
- remanence compensation adjustable
- thermal link via external sensor
- potential-free thermal relay contact (NC/NO)
- display for control inhibit, thermal link, On/Off and quick-stop

Alternative design:

1. EMC-case IP 20 for wall mounting on DIN mounting rail
2. plastic wall housing with transparent cover IP 54, connection via terminal strip
3. steel housing IP 54, connection via terminal strip
4. desktop case IP 20 with interface

More options:

1. Digital amperemeter (LC-Display) in front panel
2. Operating panel (3U / 14HP) with potentiometer/ switch/ indicator lamp
3. PID-regulator **Z2** with amperemeter for tension-/pressure-/dancer regulation
4. Data logger via parallel port
5. Thermal sensor



Picture: Controller M2302 with optional LC-Display and PID-regulator Z2