# MIKROSYSTEM

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**SOP12**

**Filter cleaning controller**

UP TO 12 VALVES



The SOP 12 controller is a microprocessor-based electronic system. The controller is mounted in a small plastic housing. It can be powered directly by 230V AC mains voltage. The controller must be installed on a 35 mm DIN rail. The system works in cyclical mode. In cyclic mode, all connected valves are switched on successively for the duration of the pulse. After the pulse of each valve, the time between pulses is counted down. After the last valve pulse, the system counts down the time between cycles and starts operation from the beginning – from the first valve. The controller constantly checks the correct operation of the valves and in the event of a fault an alarm is generated. The number of connected valves can be set in the control panel from 1 to 12. The controller is equipped with an operator panel with a 2 x 8 character LCD screen mounted on the top cover of the controller, enabling parameter setting and system operation control.

**System Data:**

1. Digital outputs (24V DC / 1.6A) Valve control …………………………..…12 pcs.
2. Digital inputs (1. regeneration start/stop, 2. e.g. pressure switch)...............2 pcs.
3. Relay output (normally open contact) 2A / 230V AC (alarm signal) ……… 1 pcs.
4. Valve supply voltage ……………………………………………...… 24V DC
5. Maximum power consumed by the valve …………………………………..… 30 W
6. Pulse time range [**Tp**] ……………………………………………… 0.05 – 0.30 sec.
7. Range of intervals between pulses [**Tbp**] ……………………….…… 3 – 250 sec.
8. Pause range between cycles [**Tbc**] …………………………………… 0 – 60 min.
9. Controller supply voltage ………………………….……… 230 V AC, 50 Hz, 50 W
10. Dimensions (width-height-depth) ………………………………… 178x90x57 mm