

MIKROSYSTEM

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SOP32P The controller is equipped with a pressure difference sensor

Filter cleaning controller

UP TO 32 VALVES



It can be powered directly by 230V AC mains voltage. The controller can be installed on 35 mm DIN rail. The system works in cyclic or automatic mode. In automatic mode, the control algorithm constantly checks the value of the pressure difference across the filter. After exceeding the set dP limit, the system turns on the valve for a pulse time. The next valve is activated after the time between pulses when the pressure difference is still greater than the limit value dP. If the set dP alarm value is exceeded, an alarm is generated. 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 32. 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. The controller is placed in the housing MODULBOX.

System Data:

1. Digital outputs 24V DC/1.6A valve control.....	8 pcs.
2. Digital outputs 24V DC/1.6A chamber control.....	4 pcs.
3. Digital inputs (1. regeneration start/stop, 2. e.g. pressure switch).....	2 pcs.
4. Relay output (NO contact) 2A/230V AC (alarm signal).....	1 pcs.
5. Valve supply voltage	24V DC
6. Maximum power absorbed by the valve	30W
7. Pulse time range - TIR	0.05-0.30 s
8. Range of intervals between pulses - TMI.....	3-250 sec
9. Pause range between cycles - TMC	0-60 minutes
10 Differential pressure measuring range.....	0-5.0 kPa
11. Adjustable differential pressure limit dP	0.2-4.4 kPa
12. Controller supply voltage.....	230V AC, 50Hz, 50W
13. 2 connectors for connecting a differential pressure.....	Fi6
14. Dimensions (width-height-depth).....	178x90x57 mm

NOTES: For proper operation of the controller, a junction box with directional diodes must be used. One can for 16 valves.