

MIKROSYSTEM

Przedsiębiorstwo Wdrażania Postępu Technicznego Sp. z o.o.

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SOP08

Filter cleaning controller

UP TO 8 VALVES



The controller is mounted in a small plastic housing with IP65 protection. It can be powered directly by 230V AC mains voltage. The controller can be installed both on a 35 mm DIN rail and on a filter construction. 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 8. 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 a dustproof IP65 housing with a safety flap adapted for closing with a padlock.



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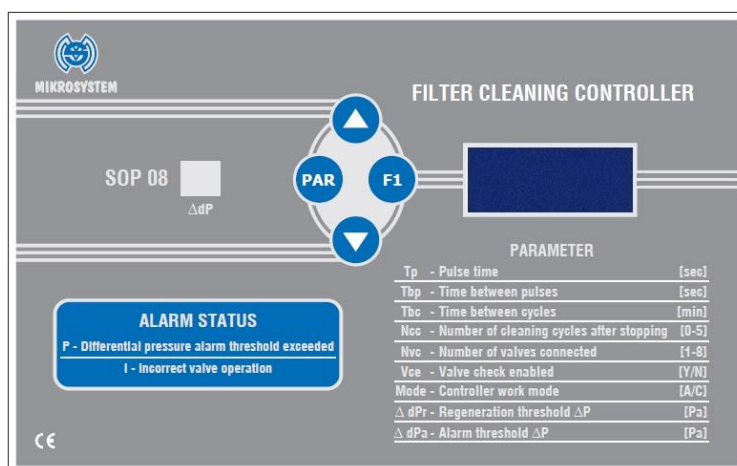
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System Data:

1. Digital outputs (24V DC / 1.6A) Valve control 8 pcs.
2. Digital input (start / stop) of regeneration 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 36 W
6. Pulse time range [Tp] 0.05 – 0.50 sec.
7. Range of intervals between pulses [Tbp] 3 – 250 sec.
8. Pause range between cycles [Tbc] 0 – 60 min.
9. Controller supply voltage 230V AC, 50 Hz, 50 W
10. Dimensions (width-height-depth) 166x161x121 mm



PARAMETER	range	unit change	set in memory
Pulse time TP [s]	0,05-0,50	0,01	0,15
Time between pulses TBP [s]	3-250	1	3
Time between cycles TBC [min]	0-60	1	0
Number of cleaning cycles after stopping Ncc	0-5	1	1
Number of valves connected Nvc	1-8	1	8
Controller work mode Mode	A/C		C
Valve check enabled Vce	Y/N		Y