

DAMAG 5 PNEUTRON CONTROLLER

Electro-pneumatic self regulator open loop controller. DAMAG5 is friendly field configurable device, microprocessor optimized. It interfaces an electronic signal front end, which represents the variable to control, with a pneumatic output modulating signal, that has the task of controlling by the stroke of a control actuator.

- PID control with auto-tuning to facilitate adaptation to the most different process conditions.
- Single input, freely configurable and scalable, with galvanic separation module.
- Output for pneumatic proportional valve control, field programmable work under pressure.

Example: standard 0.2...1 bar (3...15 PSI)
 standard 0.6...2 bar / 0...4-8 bar max

Function: direct/reverse, programmable.

This device has a modular composition. Suitable for wall mounting, rugged, easy viewer and handy. ABS plastic or stainless steel enclosure.

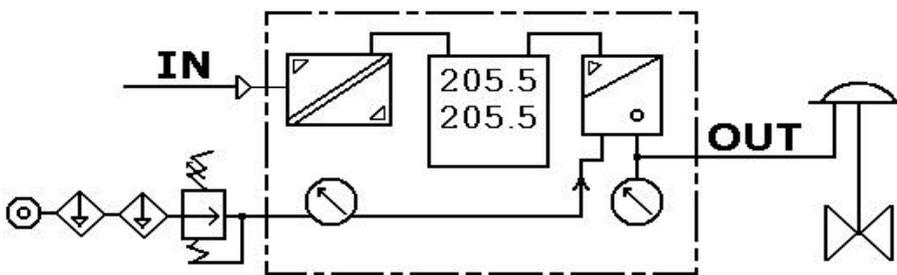
Scope: driving of pneumatic control valves with modulating precision adjustment in open loop. Thermophysics process: temperature, pressure, flow, level, etc.; Biophysical Chemistry process: pH, Rx, O₂, NO₂, CO₂, NTU, etc..

Application: universal driving heat treatment, physico chemical controls in the process industry, purifications, drinking water, food, pharmaceutical, reactors, laboratories, etc., cardboard industries, textile, chemical, mechanical, mining, energy.



TECHNICAL SPECIFICATIONS

Configurable input:	termocouples K, S, R, J. thermoresistences Pt100, Pt500, Pt1000, N100, PTC1K, NTC10K Current/Voltage 0-4...20 mA, 0...10 Vcc, 0...40 mV, potenziometer 6 K, 150 K
Regulation:	PID + autotuning
Output:	pneumatic 0,2...1 bar (3-15 PSI), other programmable
Alarm output:	2 relay - 5 A resistive 250 Vac
Control functions:	start, stop, enable manual or automatic controlling by digital input manual control of the output signal
Accuracy:	+/- 0.5% f.s. +/- 1 digit - resolution +/- 0,1 % f.s.
Supply:	24 ... 230 Vac / Vdc power supply extended
Display:	twice rows two-colors LED display, 4 digits: 9999
Communication:	RS232 or RS485, M-Bus fieldbus for remote configuration in supervision systems.
Dimensions:	217x257, depth 132.5 mm (RCP2500) ABS housing-IP65



SCHEMA FUNZIONALE / FUNCTIONAL DIAGRAM



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