



Measuring and regulating technology
development – production – installation

Complementary products

Remote controllers – RC line

According to desired comfort 3 types can be chosen: RC-100, RC-200 a RC-300

Temperature sensors ATC10

For our regulators we make sensors with high technical parameters and reliability. Their output is a digital signal. The sensors are made in 3 versions – for air pipes (ATC10-V), for indoor areas (ATC10-M), and for outside surroundings (ATC10-Z)

SKR-10

regulator of mixing dampers – mixing outside and circulated air while keeping a minimum of outside air

JTR-18

triac switch for electric heaters

PA-10

to transfer three point outputs to the signal 0–10 V

ATC-AV

average signal from more temperature sensors

Regulation of industrial gas heating

For heating industrial halls a gas infrared heater or hot air units are used. Our regulators help reach the required economical operation. For this area Regu AD-H and Regu MH are made. A completely new regulator for the regulating of large three point control infrared heaters is the Regu AD-HT.

Technical documents

Documents for projects and installation we will be glad to send to you in printed or electronic form. Complete documentation you can find on our internet page in the form pdf. Documents are in the Czech language at this time.



Other services

- regulation of gas boilers
- incorporation of regulation systems and electrical connection project documents
- installation of regulation systems for HVAC technology
- for free, we incorporate technical and price offers for the setting of HVAC systems with our regulators

Heat pumps

Another large branch of our activity: development, production and installation of heat pumps. More information on demand or on www.tepelnacerpadla.info (in the Czech language).

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There are various way to the goal...
Regu AD – a quick and comfortable solution
for the regulation of air handling units

For 11 years we have made regulators for thousands of HVAC systems, from small units for ventilating restaurants to large units for industrial ventilation. For 4 years now, the leading system has been the proven line of regulators Regu AD.



Why is our solution quick and comfortable?

The connection of all the components of the ventilating plant into one switchboard.

As a quality microprocessor regulator, Regu AD contains all the commonly needed regulating and safety functions for hot water, electrical, and gas heating or cooling of air, heat recovery units, mixing dampers...

Circuit breakers and switch components – the Regu AD comes standard with power switching parts. Alternatives without power switching parts are naturally also available.



- Easily ordered with completed order forms
 - Quick delivery – standard products within 3 days
- Quick installation of the Regu AD is according to included documents
 - Project measurements and regulations can be solved in standardized ways considerable savings in project expenses.
- Simple controlling
 - Excellent ratio of price/performance
- Complete information for projects and installation is available on www.jesy.cz – project and installation documents, instructions for servicing, statement of agreement, prices, etc. in the Czech language.
- Switchboards are made in standard series for normal use, **we also design and make switchboards according to individual requirements.**

You can quickly and easily choose a appropriate model:

Type of heating type of regulator	hot water Regu AD-TV	electrical Regu AD-E	gas Regu AD-G
Type of regulation	<ul style="list-style-type: none"> ■ three point control mixing valves ■ outlet on the water pump 	<ul style="list-style-type: none"> ■ regulation up to 4 sections, which makes for less shock loading in the electrical system ■ pulse regulation, which makes possible a stable outlet temperature ■ standard outlets for semiconductor switches, alternatively for contactors ■ power range 4–48 kW, already realized 150 kW 	<ul style="list-style-type: none"> ■ heater switches ■ outlet voltage 0–10 V for regulation in zone of smooth modulation power (for example Monzum Euroclim) ■ alternatively for modulation power in three point control outlets (for example Weishaupt heaters)

Ventilators	No restrictions in joining ventilators: <ul style="list-style-type: none"> ■ 3-phase and 1-phase connecting ■ straight start-up and Y-Δ for higher power 	<ul style="list-style-type: none"> ■ two speed ventilators ■ outlets for frequency converters
Functions	<ul style="list-style-type: none"> ■ The temperature of the supplied air is smoothly regulated in connection with the temperature in the main sensor and the set temperature. Minimum and maximum limitations of the supplied air temperature can be set. ■ Unallowed operating conditions are registered – overloaded ventilators, frost protection functions for hot water heaters, protection for electric and gas heaters, clogged filters ■ User adjustable parameters make it possible to choose the function of the regulator and optimize its efficiency. 	<ul style="list-style-type: none"> ■ Can be connected to a remote controller ■ Operation of the time program is done by the remote controller RC-300 or built-in clock with a week program. ■ The SW of regulators can be expanded for other functions from which is standard, for example more section cooling and heat recovery control
Cooling	<ul style="list-style-type: none"> ■ direct expansion cooler ■ water cooler ■ automatic choice between heating and cooling 	<ul style="list-style-type: none"> ■ summer compensation – automatically moved to the temperature set according to the outside temperature – energy is saved
Optional functions	<ul style="list-style-type: none"> ■ regulation of crossing or rotating heat recovery units ■ control of mixing dampers (over SKR-10) 	<ul style="list-style-type: none"> ■ regulation of heating and cooling with heat pumps ■ regulation of a combination of hot water and electrical heating
Standard versions	<ul style="list-style-type: none"> ■ Regu AD has power switching parts for 2 ventilators ■ Model range according to the power demand of the ventilator, respectively electric heaters 	<ul style="list-style-type: none"> ■ Mounted in plastic wall-mounting switchboards with a high IP protection; in case of higher power electrical heaters, two speed ventilators and the like are mounted into steel switchboards
Other offered variations	<ul style="list-style-type: none"> ■ Flush-mounting regulators ■ Regulators without power switching parts in flush-mounting or wall-mounting enclosure. Flush-mounting regulators can be built into the bigger switchboards. 	<ul style="list-style-type: none"> ■ Regulators in industrial settings – steel switchboards with IP54 protection, besides mechanical toughness its particular emphasis is on protection against overvoltage and electromagnetic disturbance. The switchboards are made standard with overvoltage protection class D with high frequency filter for the control system, and with a special order they can be fitted up with class C protection.
Monitoring and control of operation by PC	<ul style="list-style-type: none"> ■ For the Regu AD we make an adapter for connecting to the RS485 line. On this line, 1 or more regulators can be connected and the whole system can then be hooked up to the serial port on the PC. 	<ul style="list-style-type: none"> ■ For the monitoring and controlling of activity of the regulators we offer SW for comfortable surroundings Control Web.