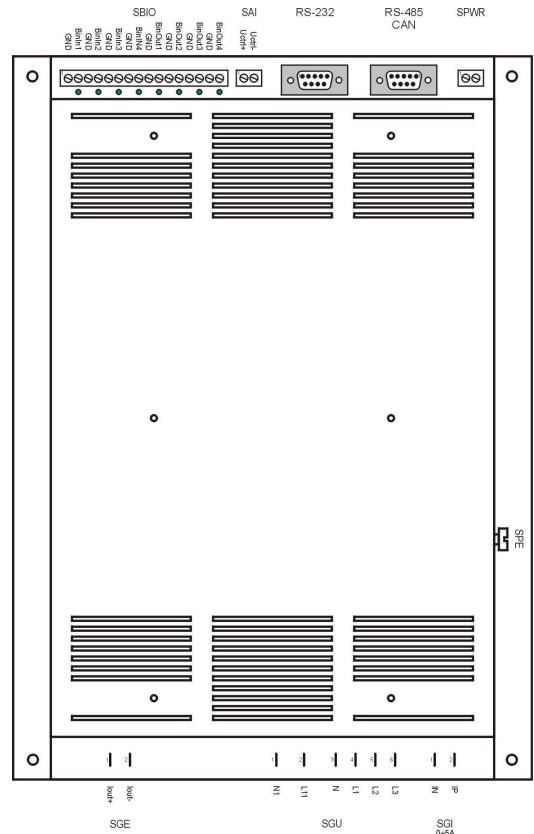


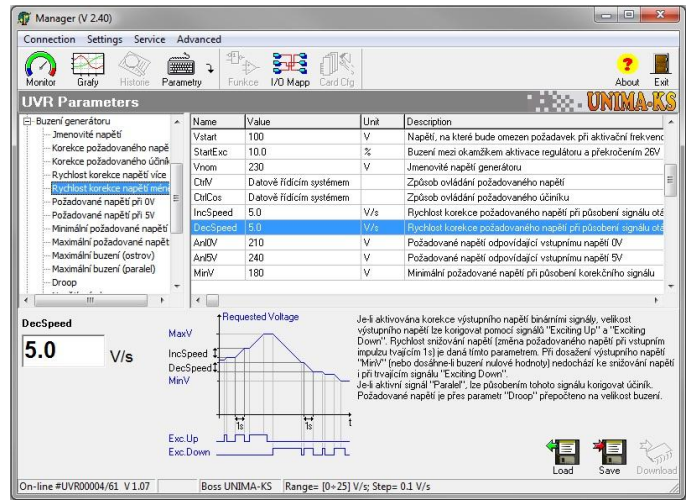


**UVR (Unima Voltage Regulator) is a digital PID regulator of voltage (exciting) and power factor of synchronous generator. Requested voltage can be entered by Binary signals up (down), by analog signal or by data way. If brought the current generator information, can UVR automatically and completely independently regulate the power factor.**

- Measuring and regulation of generator voltage
- Measuring of generator current ( automatic power-factor control)
- Measuring of internal parameters of UVR
- 4x binary input
- 4x binary output
- 1x analog input -5÷5V (0÷10V)
- Current output 0÷7.5A for exciting
- Configurable mapping of inputs and outputs
- Wide range of supplying voltage
- Communication RS-232 (diagnostics and adjustment by service program Manager), RS-485 (control of regulator over data line, cooperation with control system UniGEN) , CAN
- Easy configuration via PC with user friendly and intuitive service software (Manager).
- Full authority remote control via internet (Manager)
- Built in digital oscilloscope for easy diagnostic of failures
- Programmable in an application (easy FW upgrade through RS-232)



Service Program Manager is used for visualization, configuration and diagnostic of UVR. The UVR can be connected not only locally via RS-232, but also via dial-up connection (a modem connection) or via Internet (integrated Internet-bridge of UniGEN control system witch is connected to UIS via RS-485)



Using the set of UNIMA devices UniGEN / UIS / USC / UVR (CHP control system, digital ignition controller, digital speed governor, digital voltage regulator) can be realized full authority control over your cogeneration unit. Individual components communicate with each other via RS-485, there isn't other wires. With the integrated internet-bridge you can monitoring and setting all connected components from your PC!

