



TURBINE CONTROLLER

WASSI *Neptun*

The right turbine controller for micro-hydropower plants

Based on a high-quality technical solution, this controller offers all of the basic functions required for economical operation. With the simple and repeatedly proven PLC controls, every possible operating state achieves optimal results.



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This professional turbine controller is the innovative solution for micro power plants

Besides controlling, regulating, and monitoring your turbine, this turbine controller can also integrate auxiliary devices (like racks, lubrication, weirs, etc.). Turbine activation is possible with hydraulic or electrical drives.

Simple operation

Operation takes place directly via the display (touch screen) on the controller. All of the important parameters may be set directly via the menu, and current system parameters are shown on the display.

Maximum reliability

The use of matching components from industrial applications achieves the highest level of availability. The use of a standard program for all systems guarantees a sophisticated product.

Optimised, closed system

Your individual controller needs are implemented with modular structured, memory-programmable controls from industrial production systems. Integration of an LCD display featuring touch screen provides intuitive controls. The controller automatically measures all electrical generator values (V, A, kW, kVAr). This means that no additional measuring devices are required and only an external effective power gauge is recommended.

Extensive functional range

Rotation speed control, water level regulation, automatic positioning, automatic lowering, hydropeaking, capacity limitation, PID regulation, power reversal protection, rotation speed monitoring, system monitoring, alarm displays, rack differential pressure controls, activation controls, compensator controls, and more.

Features

- Fully automatic operation of one turbine
- Extremely simple operation via touch screen
- Modular, reliable PLC for universal application
- Direct connection to measured signals
- Compact design
- High performance at low cost



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