

Instalacja zasilająca musi mieć podłączony przewód ochronny PE i być wyposażona w zabezpieczenie nadprądowe oraz różnicowo-prądowe.

The diagram illustrates the internal wiring of the ReguLAR v1.1.0 control unit. It shows the connection of various components to the unit's terminals.

Power Supply: The unit is powered by a 24VDC source. The power is distributed through a 0.63A fuse and a G16 terminal block. The main power supply is connected to the WN (Water Inlet) and WW (Water Outlet) terminals.

Sensors (CZUJNIKI W CENTRALI): The unit features several sensors connected to terminals SI1 through SI5. These include:

- SI1: temperatura nawiew (inlet air temperature)
- SI2: temperatura czepnia (pump temperature)
- SI3: temperatura wyrzutnia (outlet temperature)
- SI4/SI5: temperatura/wilgotność wywiew (outlet temperature/humidity)

Actuators: The unit controls two actuators:

- siłownik obejścia (Bypass Valve):** Connected to terminals Y1 (2), N (1), and Y2 (3).
- siłownik przepustnicy (Flow Valve):** Connected to terminals K7, N, K6, N, K5, N, K4, N, K3, N, K2, N, K1, N, and L.

Control and Monitoring: The unit includes a control panel (PANEL STERUJĄCY) with various inputs and outputs:

- Inputs:** wejście p-poż (NC) (fire input), funkcja Fans Boost (NO) (fan boost function).
- Outputs:** +24V, B, A, GND, +24V, B, A, GND, +24V, B, A, GND.
- Terminals:** SI1, SI1, SI1, SI4/SI5, ADI1, ADI2, ADI3, AO1/AO2, AO3, AO4, TB1, TB2, TB3, MBS, MB1, MBM.

Heating Element: The unit is connected to a 1600 W secondary heating element (NAGRZ. WTÓRNA 1600 W) via a BOT (Boiler On/Off Thermostat) and a 3-32 VDC relay (przełącznik SSR).

**SCHEMAT ELEKTRYCZNY
CENTRALA WENTYLACYJNA
EkoZefir RK-500-KLD-V1/V2-E1.6**