

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.

Control Unit: The central component is the ReguLAR v1.1.0 control unit, which features a terminal block with the following labels: SI1, SI1, SI1, SI4/SI5, ADI1, ADI2, ADI3, AO1/AO2, AO3, AO4, TB1, TB2, TB3, MBS, MB1, MBM. The unit also includes a 24VDC power source and a 0.63A fuse.

Outputs: The unit controls two relays: "siłownik obejścia" (bypass valve) and "siłownik przepustnicy" (flow valve). The bypass valve is connected to terminals Y1, N, and Y2. The flow valve is connected to terminals K7, N, K6, N, K5, N, K4, N, K3, N, K2, N, K1, N, and L.

Inputs: The unit receives signals from various sensors (CZUJNIKI W CENTRALI) connected to terminals SI1, SI1, SI1, SI4/SI5, ADI1, ADI2, ADI3, AO1/AO2, AO3, AO4, TB1, TB2, TB3, MBS, MB1, and MBM. The sensors include temperature (temperatura nawiew, temperatura czepnia, temperatura wyrzutnia, temperatura wilgotność) and pressure (ciśnienie).

Heating Element: The unit controls a heating element (NAGRZ. WTÓRNA 2400 W) connected to terminals BOT and GND.

Terminal Blocks: The unit features several terminal blocks, including a 4-pin block for the heating element (BOT, GND, 1, 2) and a 10-pin block for the power supply (GND, 0-10).

**SCHEMAT ELEKTRYCZNY
CENTRALA WENTYLACYJNA
EkoZefir RK-500-KPD-V1/V2-E2.4**