Controller AEGIS S

Smart and powerful for your cooling system: Controller AEGIS S

AEGIS S is an easy-to-use water treatment controller for evaporative cooling systems. It is designed to keep the cooling process running reliably. AEGIS S measures conductivity and controls dosing of biocides and corrosion inhibitor, thus preventing biological growth and keeping pipelines and heat exchangers clean.

Technical Details

- 5 digital inputs for which parameters can be set
- 2 mA outputs for which parameters can be set
- 6 relay outputs: 5 relays for pump control, 1 relay for control of bleed valve
- Measured variables: conductivity, pH, ORP, chlorine, bromine

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Technical Data

Measuring range	**Conductivity:** with the digital sensor CTFS: 0.1 - 10 mS/cm Via conductivity input depending on sensor used (LMP, LFT): 50 µS cm - 20 mS/cm Via mA inlet with the inductive conductivity sensor ICT: 8 to 2 mS/cm, 20 mS/cm, 200 mS/cm **Amperometric sensors (measuring ranges according to the sensors):** Chlorine 0 … 10 ppm Bromine 0 … 10 ppm Chlorine dioxide 0 … 10 ppm **Potentiometric sensors** pH: 0… 14 ORP potential: -1500 … +1500 mV **Temperature:** via Pt 100/Pt 1000, measuring range 0 … 150 °C
Inputs and outputs	**Inputs** 1 x conductive conductivity 1 x Pt 100/Pt 1000 Temperature 1 x CTFS sensor 2 x 0/4 … 20 mA **Outputs** 1 x relay output 3 A, 240 V AC 4 x ON/OFF relay outputs 3 A, 48 V AC 1 x relay output 50 mA, 48 V AC 2 x 0/4 … 20 mA, max. 12 V DC, max. load 500 Ω 1 x 24 V power output
Accuracy	±5 %
Communication	Modbus RTU (RS 485) (as standard) Modbus TCP (as standard) LAN and Wi-Fi (as standard) For LAN and Modbus TCP, the connecting cable, order no. 1132290, DULCOPOOL Pro LAN cable, contained in the scope of delivery, is also included
Temperature compensation	Pt 100/Pt 1000 for pH and conductivity
Electrical Connection	100 – 240 V, 50/60 Hz
Ambient temperature	-5… 45 # at max. 90% relative air humidity (non-condensing)
Tests and approvals	CE, MET registered, UK CA
Housing material	PPE with flame-proof finish
Dimensions	240 x 360 x 110 mm (H x W x D)
Enclosure rating	Wall-mounted: IP 65

	Order no.
Controller AEGIS S with operating instructions in EN, DE, FR	1119853
Controller AEGIS S with operating instructions in EN, ES, PT	1128435
Controller AEGIS S with operating instructions in EN, IT, NL	1128436