

# Controller AEGIS S

Smart and powerful for your cooling system: Controller AEGIS S

ProMinent®



**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

<b>Measuring range</b>	<b>Conductivity:</b> 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 <b>Amperometric sensors (measuring ranges according to the sensors):</b> Chlorine 0 ... 10 ppm Bromine 0 ... 10 ppm Chlorine dioxide 0 ... 10 ppm <b>Potentiometric sensors</b> pH: 0... 14 ORP potential: -1500 ... +1500 mV <b>Temperature:</b> via Pt 100/Pt 1000, measuring range 0 ... 150°C
<b>Inputs and outputs</b>	<b>Inputs</b> 1 x conductive conductivity 1 x Pt 100/Pt 1000 Temperature 1 x CTFS sensor 2 x 0/4 ... 20 mA <b>Outputs</b> 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
<b>Accuracy</b>	±5%
<b>Communication</b>	Modbus RTU (RS 485) (as standard) Modbus TCP (as standard) LAN and Wi-Fi (as standard)
<b>Temperature compensation</b>	Pt 100/Pt 1000 for pH and conductivity
<b>Electrical Connection</b>	100 – 240 V, 50/60 Hz
<b>Ambient temperature</b>	-5... 45 # at max. 90% relative air humidity (non-condensing)
<b>Tests and approvals</b>	CE, MET registered, UK CA
<b>Housing material</b>	PPE with flame-proof finish
<b>Dimensions</b>	240 x 360 x 110 mm (H x W x D)
<b>Enclosure rating</b>	Wall-mounted: IP 65

■ **SYDNEY OFFICE**

Unit 4, 4 Narabang Way,  
BELROSE NSW 2085  
P 02 9450 0995  
F 02 9450 0996  
sales@prominentfluid.com.au

■ **QUEENSLAND OFFICE**

Unit 1, 68 Murdoch Circuit,  
ACACIA RIDGE QLD 4110  
P 07 3213 1900  
F 07 3272 0445  
pfcqld@prominentfluid.com.au

■ **VICTORIA OFFICE**

Unit 1/21-22 National Drive  
HALLAM VIC 3803  
P 03 8795 7430  
F 03 8975 7431  
pfcvic@prominentfluid.com.au

■ **WESTERN AUSTRALIA OFFICE**

2/158 Francisco Street  
BELMONT WA 6104  
pfcwa@prominentfluid.com.au