



EQUIPMENT FOR WATER TREATMENT SYSTEMS

AS3020

Controller for Cooling tower



■ Description

The unit type AS3020 is universal applicable for automatic monitoring and control of cooling tower plants. The controller is equipped with a conductivity meter without temperature meter. There are three possible stages : "Service", "Flush" and "Flush wait". This unit can monitor conductivity and several inputs e.g. level switches, low pressure switch, exceeded pressure and stop. Adaptable to user specific requirements by built-in programmable options. The programmed configuration will be stored into non volatile memory and therefore not be affected by power loss.

■ Features

User Interface

- Monochrome LCD display (16x2 characters)
- Control through three internal keys
- Language : English, French, German, Dutch,

Inputs

- 3x Input for potential free switch
- 1x Conductivity meter

Conductivity meter

- Automatic range switching
- Cell constants from 0,01 - 10,00 cm^{-1}
- Range from 0,5 - 100.000 $\mu\text{S}/\text{cm}$ depending on used cell
- Manual temperature compensation
- Capacitive cell

Outputs

- 3x Relay output (powered)

Memory

- Programming will be stored and not be affected by power loss.

Enclosure

- Suitable for wall mounting, IP65

Power supply

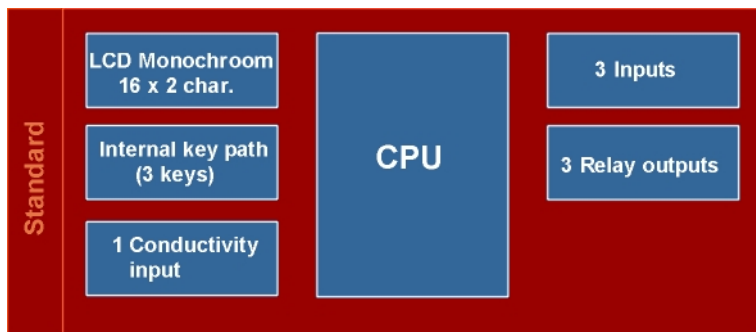
- 24 VAC input / 24 VAC output
- 115 VAC input / 115 VAC output
- 230 VAC input / 230 VAC output
- 12 VDC input / 12 VDC output
- 24 VDC input / 24 VDC output



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■ Block diagram



■ Function Table

The relay outputs and digital inputs are related to the following functions :

Relay Outputs		Digital Inputs	
Inlet valve		Alarm reset	
Flush valve		High level switch	
Alarm		Low level switch	

■ Ordering Information

AS3020 + power supply

Power supply :

24V	24 VAC / 24 VAC
115V	115 VAC / 115 VAC
230V	230 VAC / 230 VAC
12VDC	12 VDC / 12 VDC
24VDC	24 VDC / 24 VDC