

AS3035

Controller for Cooling tower



■ Description

The unit type AS3035 is universal applicable for automatic monitoring and control of cooling tower plants. The controller is equipped with an conductivity meter without temperature meter. There are six possible stages : "Stand by", "Service", "Flush", "Flush Stop", "Flush blocked" and "Shot dosing". 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 six keys
- Five LEDs for process and alarm indication
- Acoustic signal for alarm
- Language : English, French, German, Dutch, Spanish, Italian, Swedish and Danish

Inputs

- 4x Input for potential free switch
- 1x Conductivity meter
- Optional (circuit board IF2030)
- 1x Additional input for potential free switch

Conductivity meter

- Automatic range switching
- Cell constants from 0,01 - 10,00 cm⁻¹
- Range from 0,5 - 100.000 µS/cm depending on used cell
- Manual temperature compensation
- Capacitive cell

Outputs

- 1x Relay output (powered)
- 2x Relay output (dry contact)
- Optional (circuit board IF2030)
- 2x Relay output (dry contact)

Memory

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

Enclosure

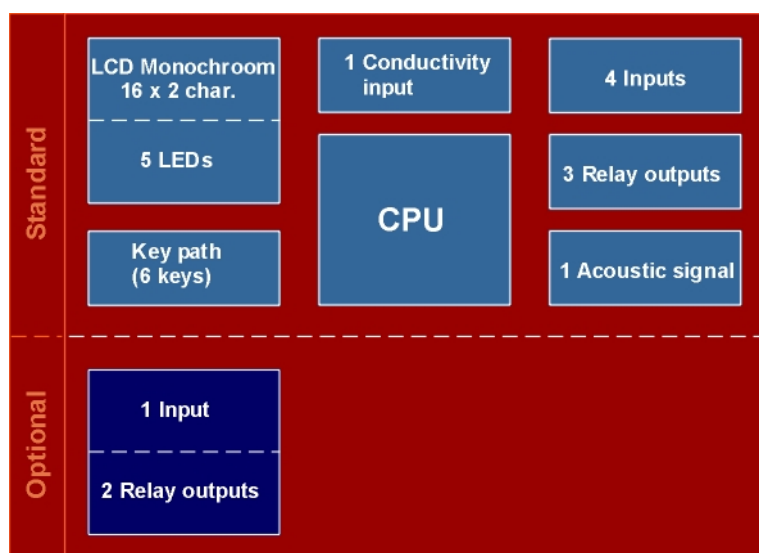
- Suitable for wall mounting, IP65

Power supply

- 24 VAC input / 24 VAC output
- 115 VAC input / 115 VAC output
- 230 VAC input / 230 VAC output
- 115 VAC input / 24 VAC output
- 230 VAC input / 24 VAC 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		
Flush valve		Water meter		
Inlet valve		Stop		
Proportional dosing		Level switch		
Biocide dosing		Level switch dosing tank 1		
Flow pulse		Level switch dosing tank 2		
Alarm		Block flushing		

■ Ordering Information

Wall mounted :

AS3035 with 1 powered relay output, 2 relay outputs with dry contact
AS3035IF with 1 powered relay output, 4 relay outputs with dry contact and 1 temperature meter

Add power supply to codes as mentioned above :

24V 24 VAC / 24 VAC
115V 115 VAC / 115 VAC
230V 230 VAC / 230 VAC
115/24V 115 VAC / 24 VAC
230/24V 230 VAC / 24 VAC

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