



EQUIPMENT FOR WATER TREATMENT SYSTEMS

ES2070 CA

Controller for Demineralisation



■ Description

The unit type ES2070 CA is universal applicable for automatic monitoring and control of demineralisation plants. This unit can monitor conductivity, temperature, and several inputs e.g. level switches, wait and external regeneration start. 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 character LCD display 2x16
- Six keys
- Language : English, French, German, Dutch and Italian

Inputs

- 6x Input for potential free switch
- 1x Conductivity meter
- 1x Temperature 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 or automatic temperature compensation
- Capacitive cell

Temperature meter

- Range from 0 - 94°C (Δ 32 - 201 °F)
- PT1000

Outputs

- 9x Relay output (powered)
For single valve or control valve
- 6x Relay output (dry contact)
Programmable for valve or special function

Memory

- Real time clock with "lifetime" battery
- Programming will be stored and not be affected by power loss.

Enclosure

- Suitable for wall mounting
- IP65

Power supply

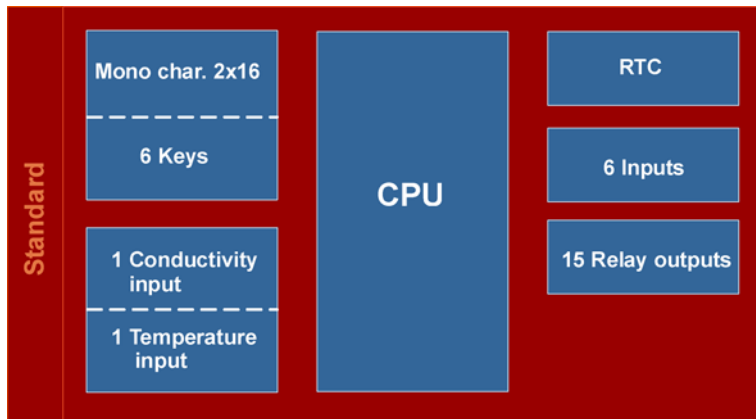
- 24 VAC input / 24 VAC output
- 115 VAC input / 115 VAC output
- 230 VAC input / 230 VAC output
- 115 VAC input / 24 VAC output
- 230 VAC input / 24 VAC output
- 240 VAC input / 24 VAC output



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■ Block diagram



■ Function Table

Relay outputs	Inputs	Conductivity	
Single valves	Water meter	Conductivity input	
Control vales (2x)	Level switch chem. cation	Temperature input	
Suction valves (2x)	Level switch chem. Anion		
Flush valve	Level switch storage		
Fill valve cation	Wait		
Fill valve anion	External regeneration start		
Circulation pump			
Flow pulse			
Regeneration			
Alarm			

■ Ordering Information

ES2070 CA + voltage

For example :

ES2070 CA 230/24V = ES2070 CA with 230VAC input and 24 VAC output for relays.