



EQUIPMENT FOR WATER TREATMENT SYSTEMS

## ES2030 CV

### Controller for Softners



### ■ Description

The unit type ES2030CV is universal applicable for automatic monitoring and control of softner plants and suitable for single and double column installations in alternating, parallel or serial circuits. Universally implementable for a wide range of control valves and pilot valves. 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 seven keys
- Eight LEDs for process and alarm indication
- Acoustic signal for alarm
- Language : English, French, German, Dutch, Spanish and Italian

#### Inputs

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

#### Outputs

- 5x Relay output (powered)  
Optional (circuit board IF2030)
- 2x Relay output (dry contact)

#### Memory

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

#### SD Card

- Software updates

#### Enclosure

- Suitable for wall mounting, IP65

#### Power supply

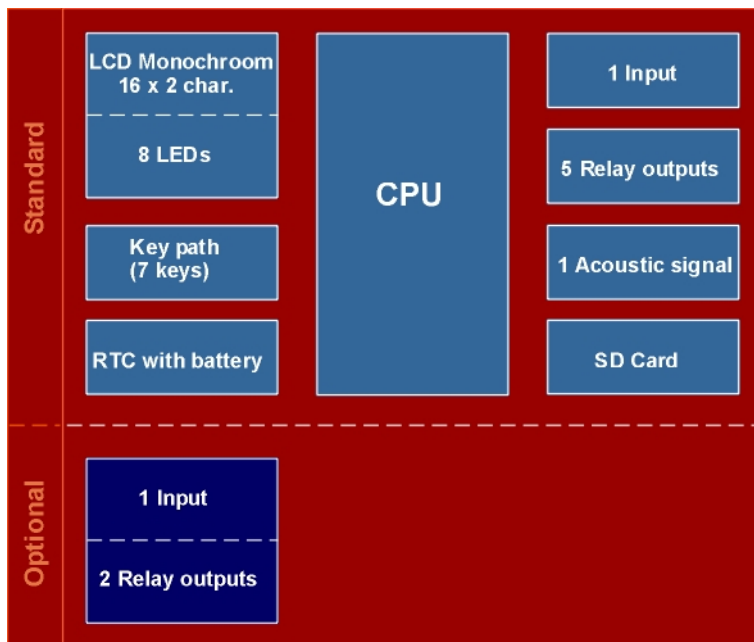
- 24 VAC input / 24 VAC output
- 115 VAC input / 115 VAC output
- 230 VAC input / 230 VAC output
- 115 VAC input / 24 VAC output
- 230 VAC input / 24 VAC output



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## ■ Block diagram



## ■ Function Table

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

Relay Outputs	Digital Inputs		
Control valves (2x)	Water meter		
Additional program	Regeneration wait		
Flow pulse	Level switch storage		
Flush valve	Level switch chemicals		
Regeneration	Regeneration start		
Alarm			

## ■ Ordering Information

Wall mounted :

ES2030CV with 5 powered relay outputs and 1 digital input

ES2030CI with 5 powered relay outputs, 2 relay outputs with dry contact and 2 digital inputs

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