



EQUIPMENT FOR WATER TREATMENT SYSTEMS

FCS3000

Controller for Softners with Clack valve



■ Description

The unit type FCS3000 is universal applicable for automatic monitoring and control of softner plants with Clack valve(s). 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 4x20
- Control through four keys
- Five LEDs for process and alarm indication
- Acoustic signal for alarm
- Language : English, French, German, Dutch, Spanish and Italian

Inputs

- 2x Input for potential free switch
- 2x Input for Clack turbine

Outputs

- 2x Relay output (powered) for service valves
- 2x Relay output (dry contact)

Optional :

- 1x chlorine production output (0-500mA)
- 1x 3 way Clack valve

Clack valve control

- 2x Control for clack motor
- 2x Input for motor position

Memory

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

Enclosure

- Suitable for wall mounting, panel mounting and plate mounting
- IP65

Power supply

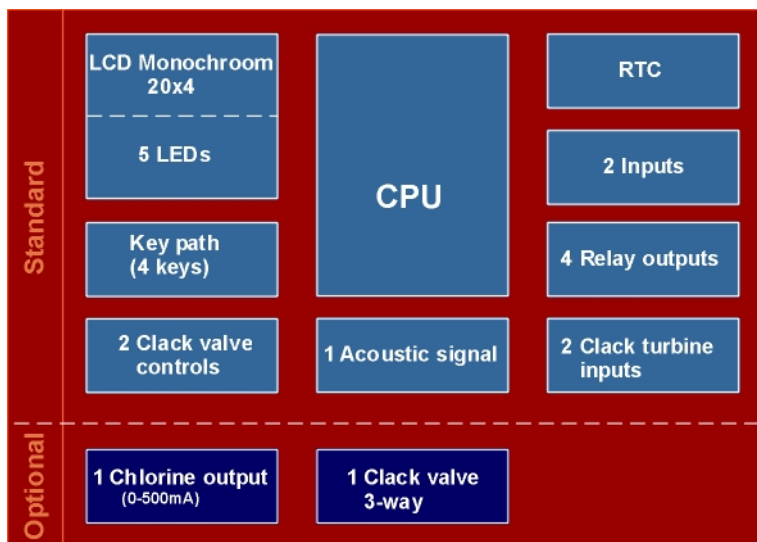
- 24 VAC input / 24 VAC output
- 115 VAC input / 115 VAC output
- 230 VAC input / 230 VAC output
- 115 VAC input / 24 VAC output
- 230 VAC input / 24 VAC output



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■ Block diagram



■ Function Table

The relay outputs and digital inputs are free programmable for the following functions :

Relay Outputs	Digital Inputs	Special outputs	Special inputs
Service valve 1	Water meter	Clack valve control	Clack turbine
Service valve 2	Regeneration wait	Clack 3 way valve	
Additional program	Level switch storage	Chlorine production	
Flow pulse	Level switch chemicals		
Feed pump	Regeneration start		
Regeneration			
Alarm			

■ Ordering Information

FCS3000 standard
 FCS3000IF standard + chlorine production output (0-500mA) and output for Clack 3 way valve.

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