



EQUIPMENT FOR WATER TREATMENT SYSTEMS

EC3020

Controller for Cartridge filters



■ Description

The unit type EC3020 is universal applicable for automatic monitoring and control of single or twin mixed bed cartridge filters where filter cartridge should be exchanged by hand.

The controller is equipped with an conductivity meter without temperature meter.

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 and 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

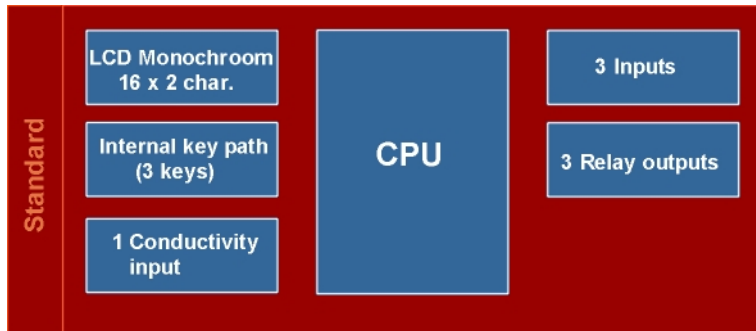
- 24 VAC input / 24 VAC output
- 115 VAC input / 115 VAC output
- 230 VAC input / 230 VAC output
- 12 VDC input / 12 VDC output
- 24 VDC input / 24 VDC output



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■ Block diagram



■ Function Table

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

Relay Outputs		Digital Inputs	
Service valve 1		Tank full	
Service valve 2		Tank empty	
Alarm		Alarm reset	

■ Ordering Information

EC3020 + 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