

OS3030

Controller for Reverse Osmose



■ Description

The unit type OS3030 is universal applicable for automatic monitoring and control of reverse osmosis plants. There are six possible stages : "Stand by", "Production", "Rinse after production", "Rinse during standby", "Rinse during Production" and "Maintenance". This unit can monitor conductivity and several inputs e.g. level switches, low pressure switch, motor security switch, etc.. 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 and Czech

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

- 3x Relay output (powered)
- 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

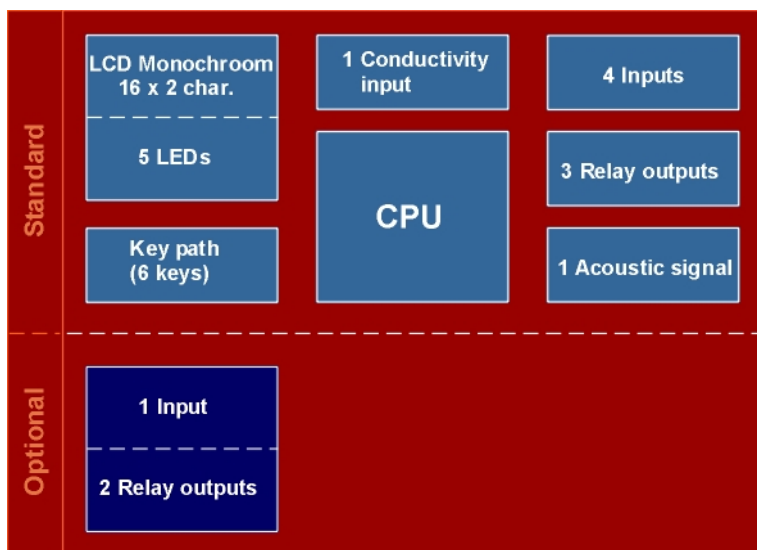
- 24 VAC input / 24 VAC output
- 115 VAC input / 115 VAC output
- 230 VAC input / 230 VAC output
- 115 VAC input / 24 VAC output
- 230 VAC input / 24 VAC output



EQUIPMENT FOR WATER TREATMENT SYSTEMS

OS3030

■ Block diagram



■ Function Table

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

Relay Outputs		Digital Inputs	
Inlet valve		Stop	
High pressure pump		High level switch	
Concentrate valve		Low level switch	
Permeate valve		Exceeded water pressure	
Dosing pump		Low water pressure	
Alarm		Concentrate flow switch	
Additional program		External switch	

■ Ordering Information

Wall mounted :

OS3030 with 3 powered relay outputs and 4 digital inputs
 OS3030IF with 3 powered relay outputs, 2 relay outputs with dry contact and 5 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

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