

## 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<sup>-1</sup>
- 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

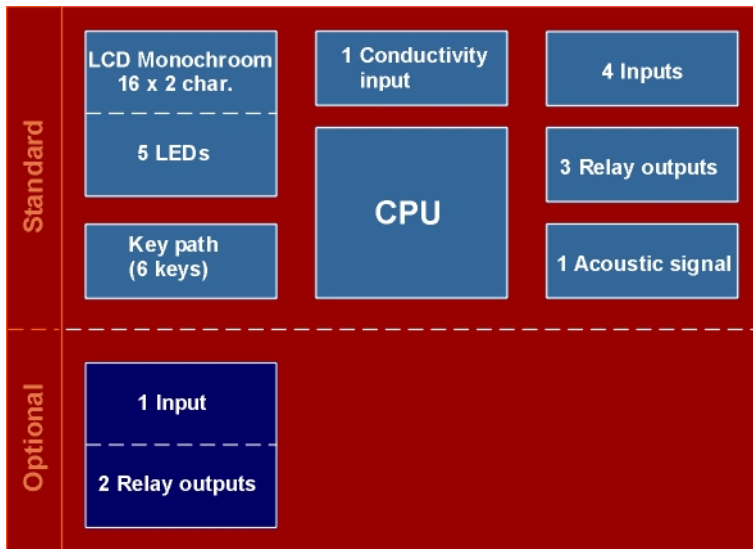
- 24 VAC input / 24 VAC output
- 115 VAC input / 115 VAC output
- 230 VAC input / 230 VAC output
- 115 VAC input / 24 VAC output
- 230 VAC input / 24 VAC output



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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