

## REVERSE OSMOSIS SYSTEM

Reverse osmosis controllers enables the process and control of osmosis in industrial plants.

The main working mode are: continuous production without level control, one level control production, two levels control with manual hysteresis and production based on the amount set.

Combined with probes and probe holders, they can be assembled on panels to have a complete turnkey control system.

**SOFTWARE**

English and French software available. Ask for Deutsch.

**CUSTOMIZATION**

Instruments can be customized with client logo on frontal panel.

**STAND-BY INPUT****HIGH LEVEL INPUT****LOW LEVEL INPUT****PERMANENT DATA STORAGE (WITHOUT BATTERY)****AUTOMATIC TEMPERATURE COMPENSATION**

With PT100 temperature probe.

**ALLARMI**

Segnalazione allarmi per:  
bassa pressione, alta pressione, temperatura alta pompa osmosi, sonda danneggiata, soglia.

**DISPLAY**

Probe readings, alarms notification are shown on display.

**DUE USCITE IN CORRENTE****WATER METER OUTPUT 0/4-20mA****TWO WATER METER INPUT****RELAIS ALARM (FREE CONTACT)****THREE SETPOINT**

Input conductivity, output conductivity and temperature.

**WORKING MODES**

- Production
- Washing
- Waiting
- Manual production (only with water meter)

**MEMBRANE WASHING**

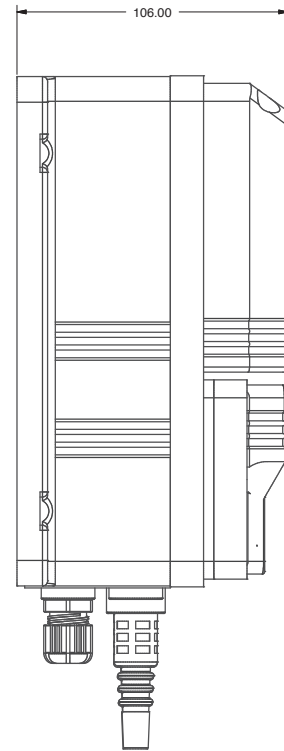
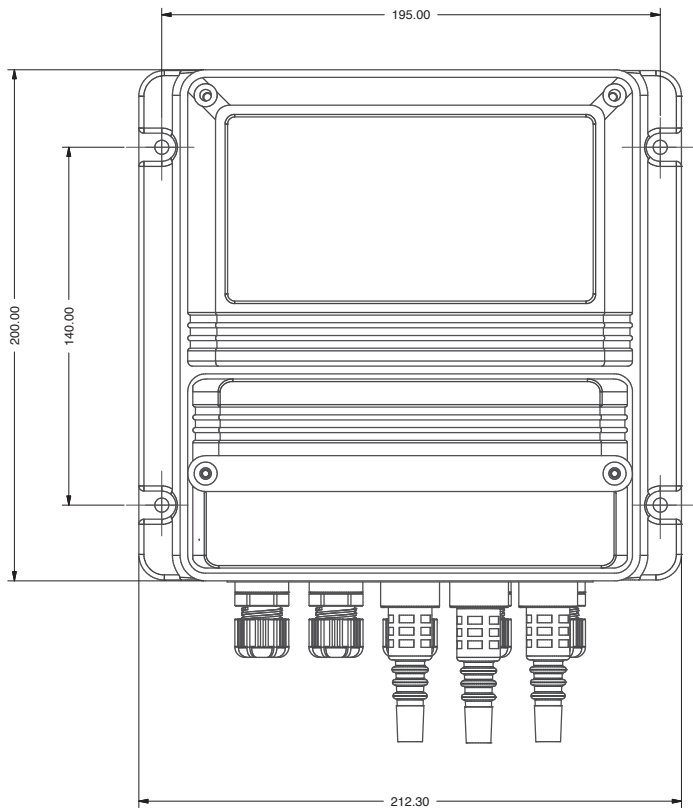
Washing with input valve or osmosis pump.

**SETTING WASHING**

At start production, end production, cyclic and periodic to preserve the membrane.

## REVERSE OSMOSIS SYSTEM

### DIMENSIONS (mm)



## REVERSE OSMOSIS SYSTEM

### LDOSIN PLUS

| LDOSIN PLUS              |   |
|--------------------------|---|
| MEASURING PARAMETER      | Conductivity  |
| RANGE                    | 0-300 $\mu$ S (K=0,1); resolution 0,1 $\mu$ S<br>0-3000 $\mu$ S (K=1); resolution 1 $\mu$ S<br>0-30 mS (K=1; K=10); resolution 0,01 mS<br>0-300 mS, only with probe (K=10); resolution 0,1 mS                               |
| TEMPERATURE COMPENSATION | PT100   |
| INPUT SIGNAL             | PCB   |
| POWER SUPPLY             | 85-264 VAC; 50/60 Hz  |
| AVERAGE CONSUMPTION      | 25 W  |
| ON/OFF OUTPUT            | 4 relays; 5A @ 230 VAC (fuse protected)<br>1 relays; 1,5kw @ 230 VAC (fuse protected)<br>1 relays; 2A a contatto libero (fuse protected)  |
| ALARM OUTPUT             | 85-264VAC alarm output  |
| INPUT                    | Stand-by<br>Low level<br>High level<br>Low pressure<br>High pressure<br>High temperature alarm for osmosis pump<br>Dosing pump alarm<br>Generic alarm<br>Temperature probe<br>2 water meter input<br>2 mA water meter input |
| OUTPUT                   | 5 relais output<br>2 mA output<br>Main Alarm (free contact)   |
| ENVIRONMENT TEMPERATURE  | -10°C ... 50°C (14°F ... 122°F)   |
| PROTECTION               | IP65 - % working RH: 85% with $\leq$ 40 °C; 70% at 50 °C (non condensing)   |
| POLLUTION LEVEL          | 2   |
| ENCLOSURE                | ABS   |
| TEST/CERTIFICATION       | CE  |
| DIMENSIONS               | refer to the drawing  |
| WEIGHT                   | 1,45 kg (3.1967 lb)   |
| INSTALLATION             | vertical wall (4 fixing holes)  |
| OPTIONS                  | <ul style="list-style-type: none"> <li>• 12 VDC power supply</li> <li>• 24 VDC power supply</li> <li>• 24 VAC power supply</li> </ul>   |