

LDOSIN PLUS

REVERSE OSMOSIS SYSTEM

Data Sheet

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.

Remotely controlled using the EME web app 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.

ALARMS

Alarm reporting for: low pressure, high pressure, high osmosis pump temperature, threshold.

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.

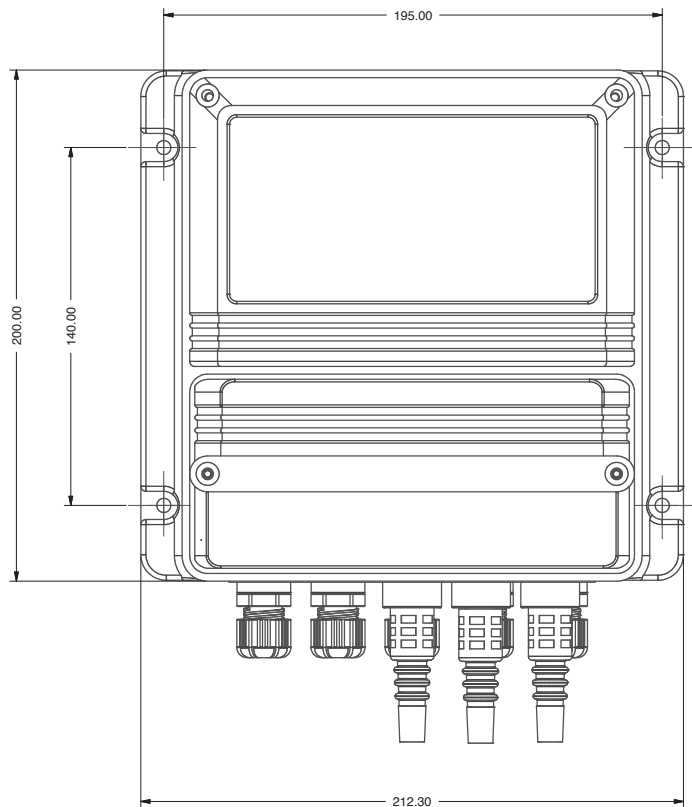
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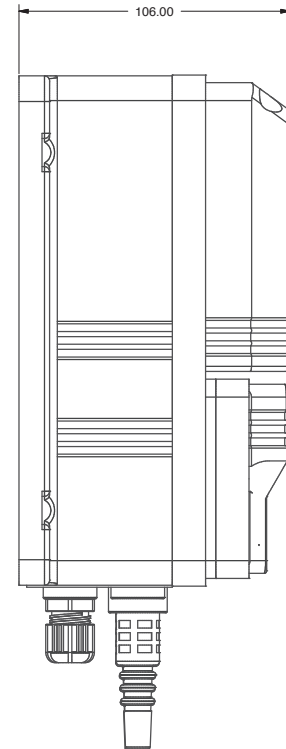
Data Sheet

DIMENSIONS (mm)

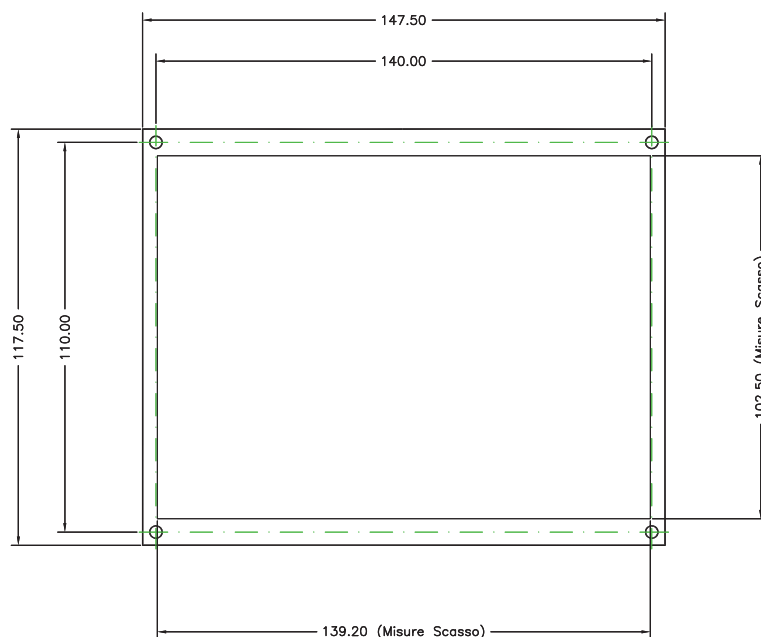
VISTA FRONTALE



VISTA LATERALE



DIMENSIONS RACK (mm)



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MEASURED PARAMETER	Conductivity
RANGE	0-300 μ S (K=0,1); resolution 0,1 μ S 0-3000 μ S (K=1); resolution 1 μ S 0-30 mS (K=1; K=10); resolution 0,01 mS 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) 1 relays; 1,5kw @ 230 VAC (fuse protected) 1 relays; 2A a contatto libero (fuse protected)
ALARM OUTPUT	85-264VAC alarm output
INPUT	Stand-by Low level High level Low pressure High pressure High temperature alarm for osmosis pump Dosing pump alarm Generic alarm Temperature probe 2 water meter input 2 mA water meter input
OUTPUT	5 relais output 2 mA output Main Alarm (free contact)
ENVIRONMENT TEMPERATURE	-10°C ... 50°C (14°F ... 122°F)
PROTECTION	IP65 - % working RH: 85% with ≤ 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	12 VDC power supply 24 VDC power supply 24 VAC power supply