INSTRUCTIONS FOR
“OSIN – DIG” INSTRUMENT

Connections.

Blocks from 1 to 4 : Ground.

Blocks from 5 to 6 : Power Supply 230VAC (Neutral block n.5 ; Live block n.6)

Blocks from 7 to 8 : Pump power supply 230VAC – Max Resistive Load 5A

Blocks from 9 to 10 : Electrovalve INPUT power 230VAC

Blocks from 11 to 12 : Electrovalve OUTPUT power 230VAC

Blocks from 13 to14 : Free of contact contact alarm (pressure alarm, high conductivity alarm)

Blocks from 15 to 16 : Manostat input (high pressure)

Blocks from 17 to 18 : Manostat input (low pressure)

Blocks from 19 to 20: Tank level input

Blocks from 21 to 22 : Conductivity probe

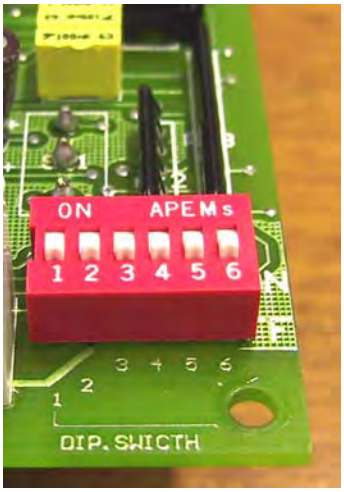
Blocks from 23 : GND

Blocks from 24 to 25 : Temperature Compensation

Fuses :

A: Instrument Protection 315mA
B: Output Protection 3.15A

SWITCH SETUP.



DIP 1: It enables conductivity alarm. Set it to ON to activate.

DIP 2 - 3 - 4: Setup washing time.

DIP 5 – 6: Setup cycling time.

Table for washing time setup.

Setup DIP n.2, n.3 and n.4 to obtain the following washing time:

DIP 2	DIP 3	DIP 4	Time
OFF	OFF	OFF	No Wash.
ON	OFF	OFF	30 sec.
OFF	ON	OFF	1 min.
ON	ON	OFF	2 min.
OFF	OFF	ON	4 min.
ON	OFF	ON	8 min.
OFF	ON	ON	16 min.
ON	ON	ON	Reserved

Table for cycling time setup.

Set up DIP n.5 and n.6 to obtain the following washing cycling time:

DIP 5	DIP 6	Ciclo
OFF	OFF	No Wash.
ON	OFF	2h or 8h (other instrument version)
OFF	ON	4h or 16h (other instrument version)
ON	ON	6h or 24h (other instrument version)

Panel Description.

Dimensions: 24x15x6.5 cm

Alarm.
When this led is on there is a pressure problem. If it doesn't blink then it's a high pressure alarm. Turn off the instrument. Fix the problem then turn on the problem. If while restoring level the led begins to blink then it's a low pressure alarm. Fix the problem. During this condition EV output is open and it will be closed during led blinking.

High Level.
When this led is on there is a high product level into tank. The instrument will be disabled. If product level into tank is low the instrument will begin the working phase.

EV. Input.
When this led is on the input electrovalve is active.

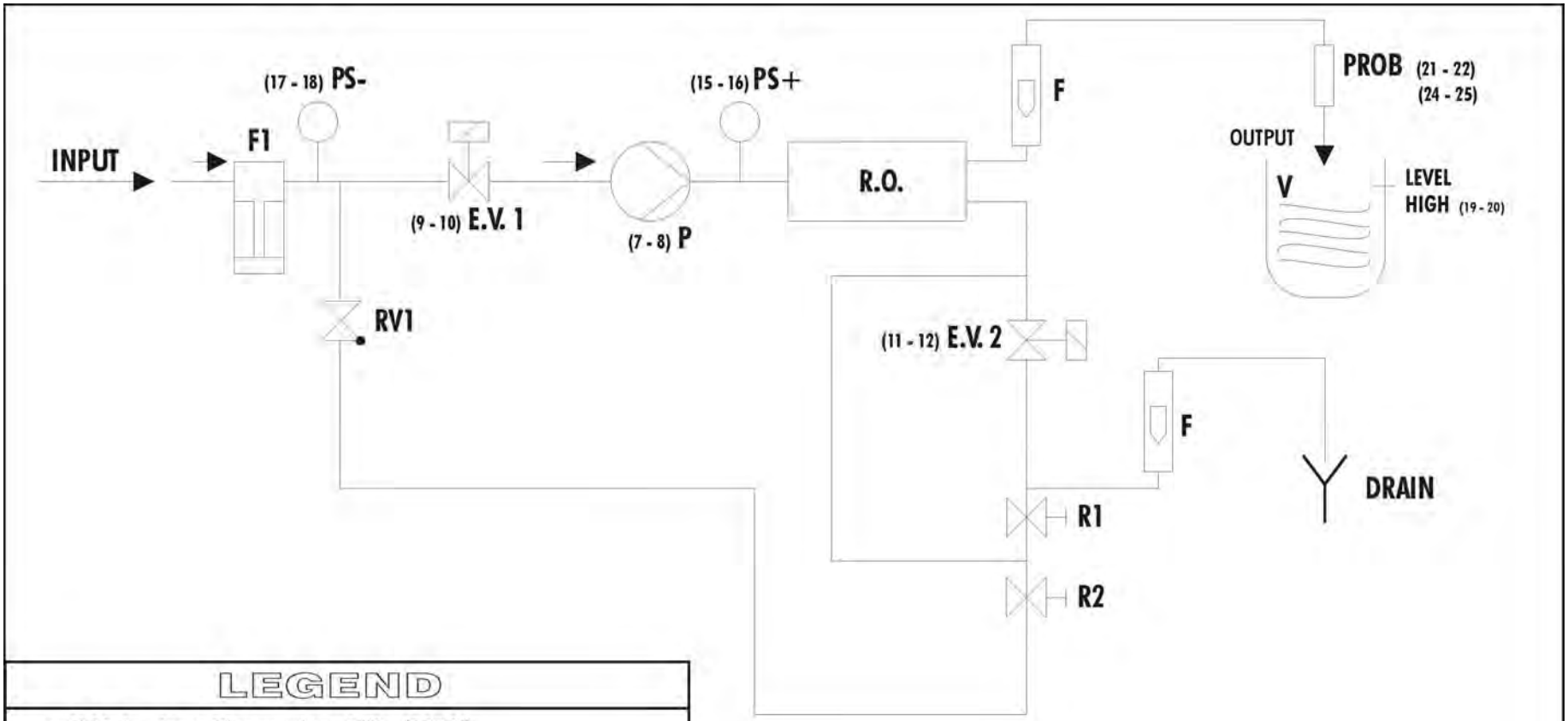
EV. Washing.
When this led is on the output electrovalve is active.

PUMP.
When this led is on the connected pump is powered.

HIGH – LOW Conductivity.
These leds show the reached status of conductivity as configured by "ALARM uS" knob. To setup the setpoint, keep pressed the buttom and begin to rotate the knob until it reaches the required value.

SETTING UP THE ALARM SETPOINT.
To setup the setpoint, keep pressed the buttom and begin to rotate the "ALARM uS" knob until it reaches the required value.

ECDIC PROBE SETUP.
Put the ECDIC probe lower extremity into a known buffer solution. Wait until the reading value is stable and begin to turn the internal trimmer (see mainboard picture) until the instrument display matches the buffer solution value.



LEGEND

- **E.V. 1** - Input Electrovalve - NC (230 V)
- **E.V. 2** - Output Electrovalve - NC (230 V)
- **F1** - Filter
- **RV1** - No-return valve
- **PS+** - Manostat (Max)
- **PS-** - Manostat (Min)
- **P** - Pump (230V ½ Cv max)
- **V** - Permeated Tank
- **F** - Flow limiter
- **R1** - Flow valve
- **R2** - Flow valve
- **PROB** - Conductivity Probe (Temperature Comp.)

(X) = Circuit reference

EMEC

OSIN-DIG