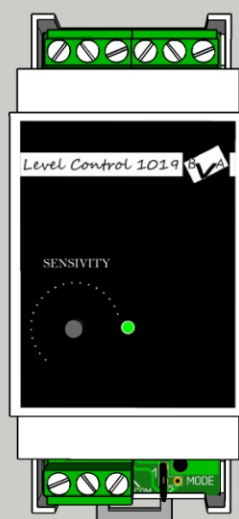


LIQUID LEVEL REGULATOR BVA L1019 USER MANUAL



2014/35/EU Low voltage Directive(LVD)
2014/30/EU Electromagnetic Compatibility Directive (EMC)
2011/65/EU Hazardous Substance Directive (ROHS)



SAFETY REGULATIONS

L1019



DANGER. This sign draws attention to possible dangers/damages for people



CAREFUL. This sign draws attention to possible dangers/damages for the environment.

This device is specially designed for regulating the water level in the pools, swimming pool with perimeter overflow and can control an electrovalve or a group of circulators pumps.

It can also be used in any electrolytic liquid level regulation application , not volatile liquids.

CAREFUL. spare parts and wear parts that have not been checked together with the installation can influence the operation of the installation.

The installation of non-approved components as well as the performance of unauthorized modifications it limits the safety and restricts the provision of warranty services.

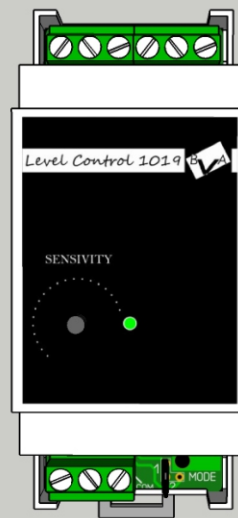
In the case of replacing some parts, only original parts supplied by the manufacturer will be used.

Do not splash the device or touch its keys with wet or contaminated fingers
(solvent oils, etc.)
(solvent oils, etc.).

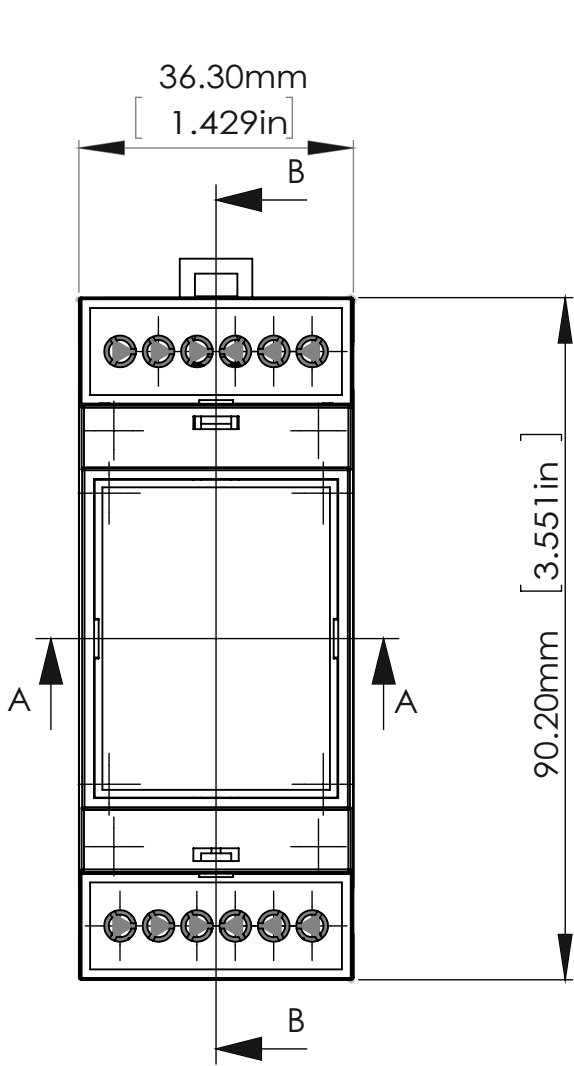
When taking it out of use, contact the manufacturer to neutralize the product.



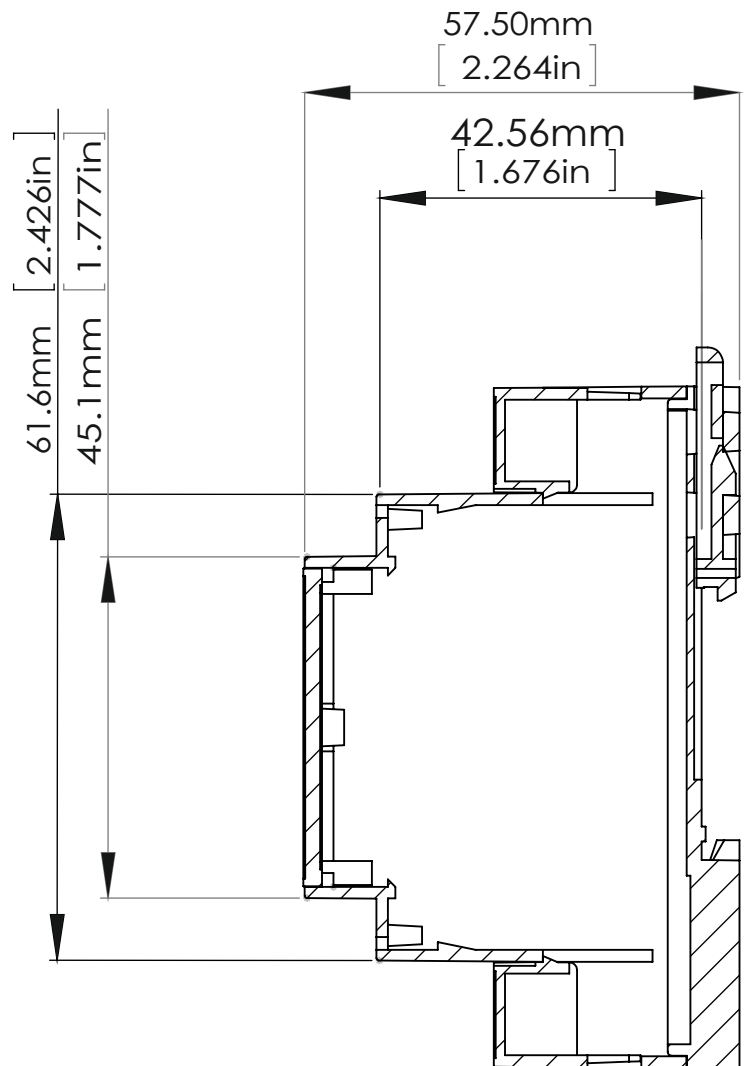
ATTENTION THE SKETCHES, DRAWINGS PRESENT IN THIS USER MANUAL ARE EXAMPLES FOR INFORMATIONAL PURPOSES AND NOT AS A SUBSTITUTE FOR THE EXPERIENCE OF THE ELECTRICIAN/AUTOMATOR OR THE FINALLY CUSTOMER WHAT TO INSTALL THE "L1019" PRODUCT



L 1019



SECTIUNE A-A
SCARA 1 : 1



SECTIUNE B-B
SCARA 1 : 1

L 1019 DATA SHEET

Power supply 230 VAC 50-60 Hz.

Output one channel _____ Volt free changeover contacts
Imax 6A (NO COM NC).

Entrance _____ Three immersion probes

Probe sensitivity _____ 100 ohm
Probe voltage _____ max 6VAC

Sensor sensitivity adjustment _____ 50 kohm

Jumper with two positions for changing sensor function (filling or protection in case of lack the water)

LED indicator On the front panel with two positions (fixed minimum level reached / flashing maximum level reached)

Compatible with immersion probes (MD 0817)

Suitable for any electrolytic fluid (not volatile fluids)

AC operating voltage type. Electrodes use low AC voltage to prevent the phenomenon of electrolysis and for a longer duration of operation.

Refresh rate 0.5 sec.

Power consumption in standby 100 mA

Power consumption max 200MA

ENVIRONMENTAL REQUIREMENTS:

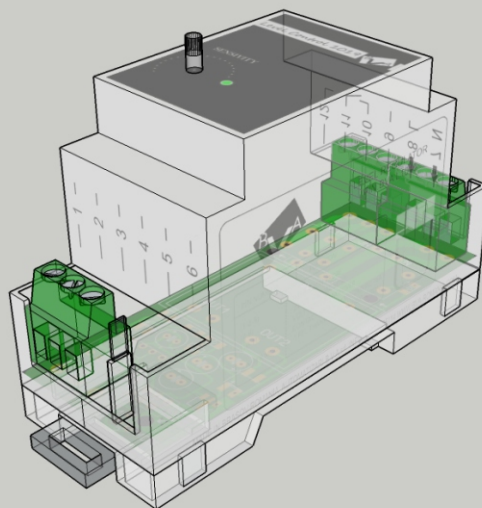
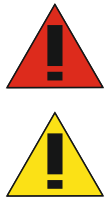
Operating temperature 10 - 65 oC

Humidity max 80%

Corrosive medium - medium

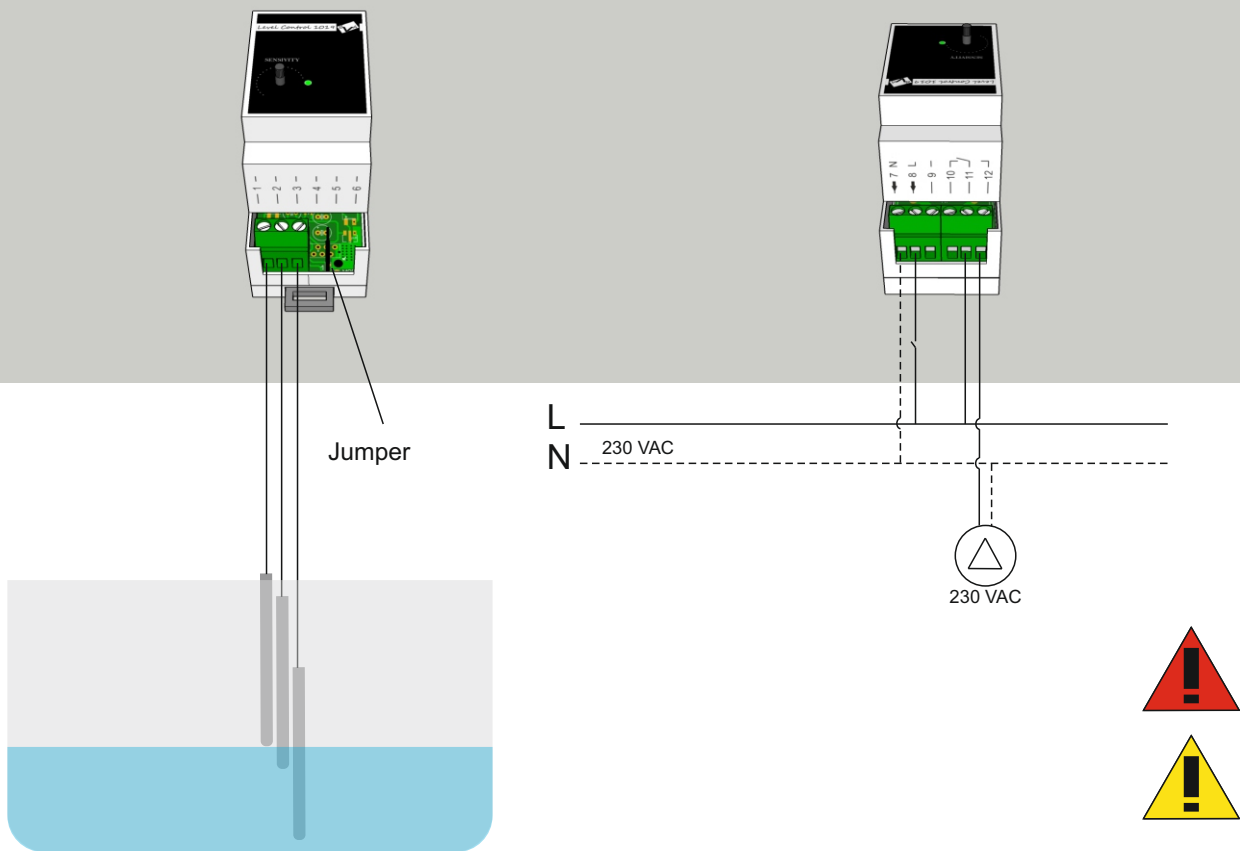
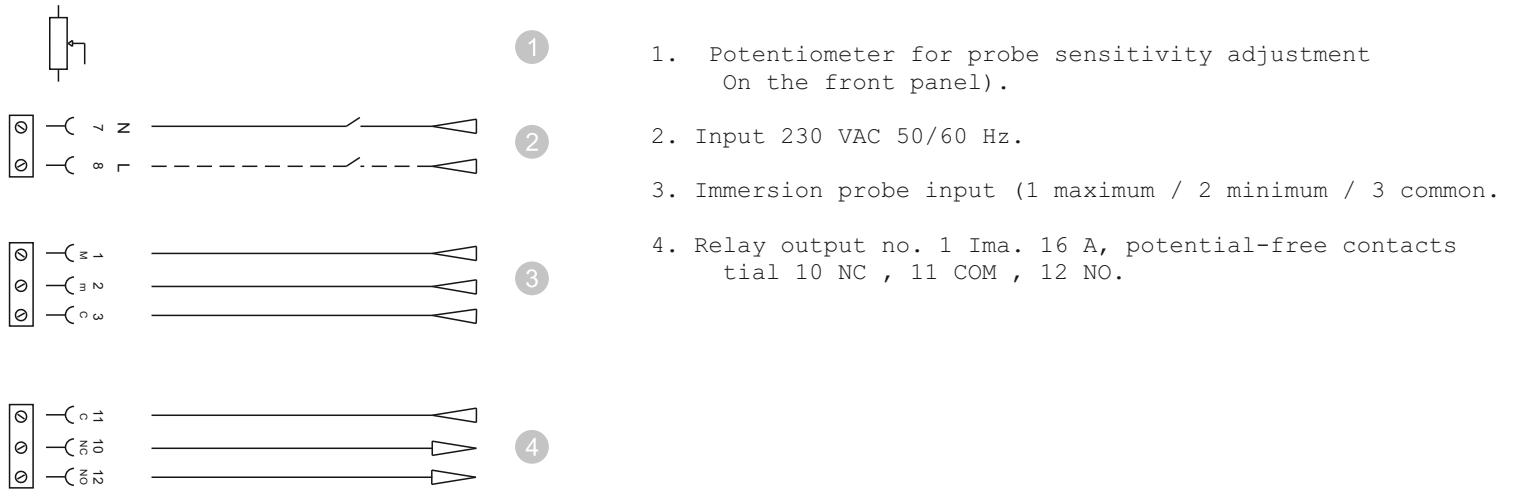
Lifetime 20,000,000 CYCLES

Dimensions (see page 4)



CONNECTION DIAGRAM

L 1019



OPERATING MODE

L 1019

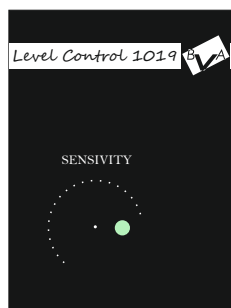


fig.1

REGLAJE :

Sensibilitatea sondelor poate fii ajustata ,cu ajutorul levierului rotativ positionat pe panoul frontal ,in functie de conductivitatea apei (vezi fig.2).

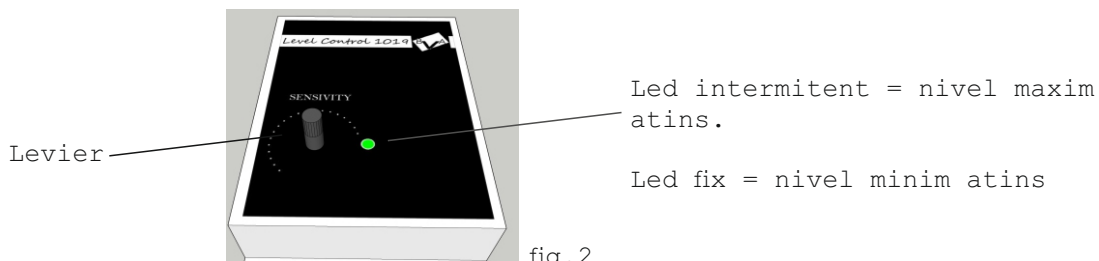


fig.2

Conductivitatea apei este diferita de la o zona la alta, astfel in anumite cazuri este necesara calibrarea sensibilitatii senzorului.

EX. Rotiti maxim spre stanga potentiometrul aflat sub panou cu ajutorul levierul sau a unei surubelnite dreapta mici ,introduceti toate cele 3 sonde in apa al carui nivel urmeaza sa i-l regularizati si rotiti potentiometrul foarte incet spre dreapta pana se aude un clic iar pe panou led-ul verde lumineaza intermitent.

PROBE POSITIONING:

The level probes are positioned according to the application in which we use the sensor and the number those present in automation. Thus, in an automation of a compensatory pool, they can be use two or more sensors.

In general, to control an electric valve for filling and a pump or a group of circulators pumps, we need two sensors. A sensor for filling the pool and a sensor for pump protection in case of lack of water. The BVA L 1019 sensor is designed so that by positioning a jumper in position 1 pool filling or 2 pump protection in case of lack of water, to change the use sensor strength in automation (see fig.3).

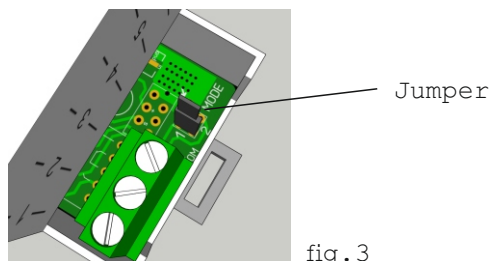


fig.3

OPERATING MODE: L 1019

How to use::

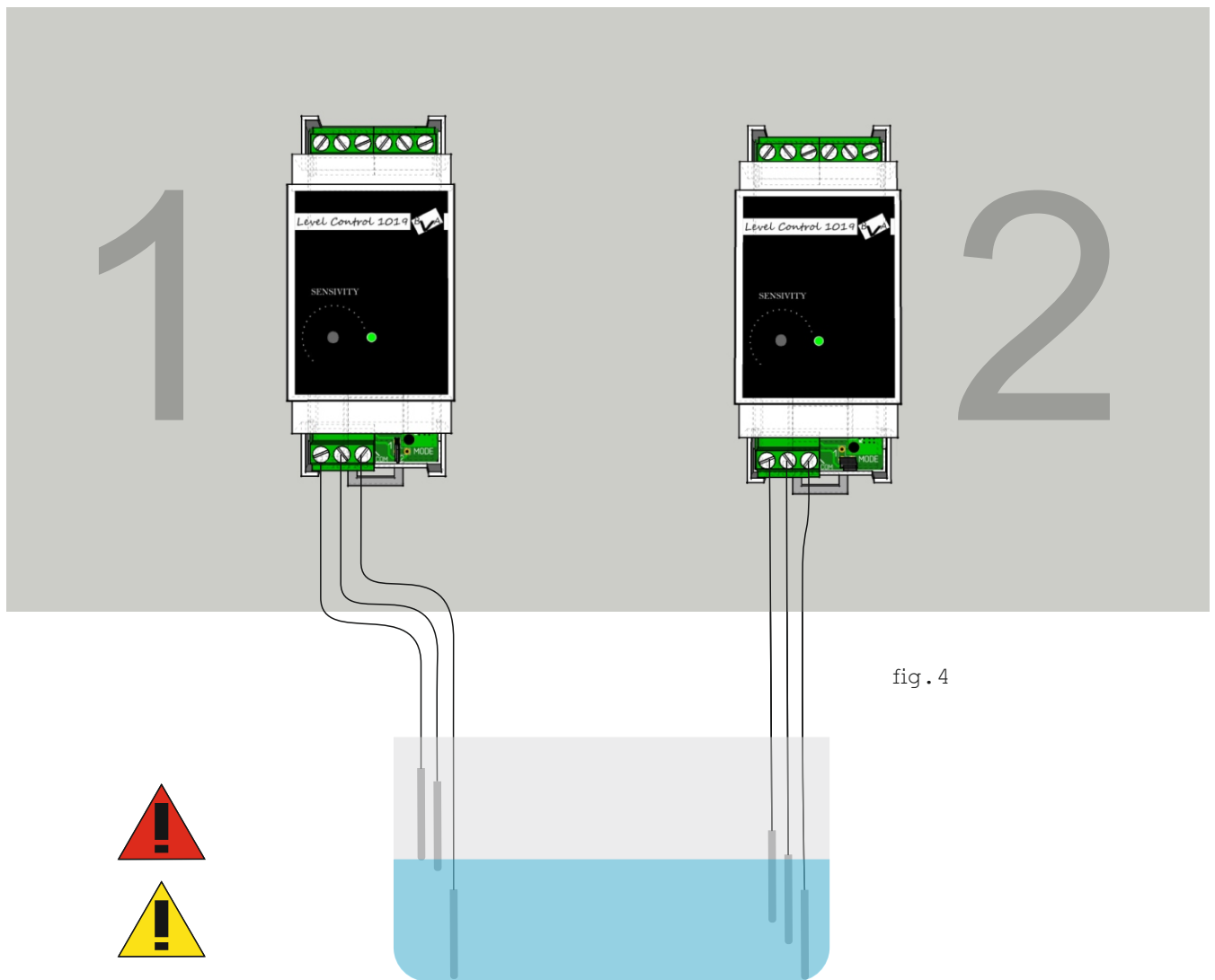
In fig. 4, sensor no. 1 regulates the water level in the compensating basin, and sensor no. 2 protects the circulating pumps in case of lack of water.

probes no. 1 of both sensors = maximum level,

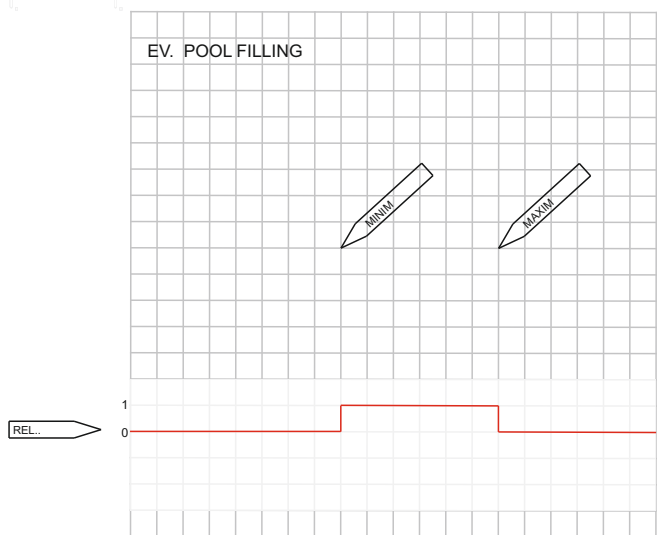
probes no. 2 of both sensors = minimum level

probe no. 3 sinks as deep as possible into the pool.

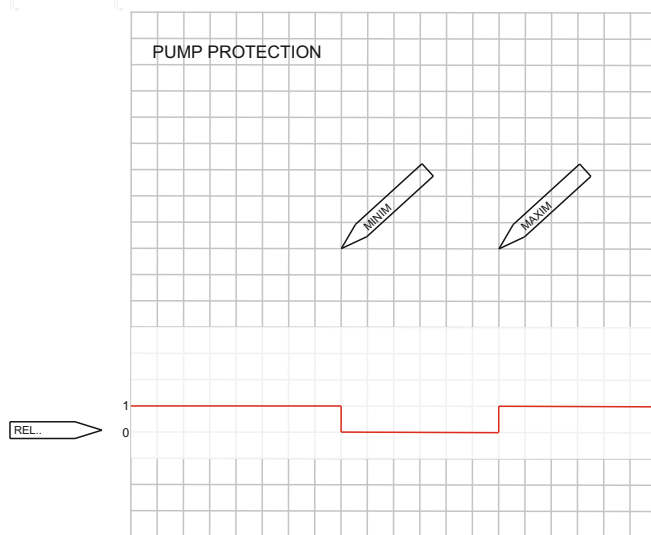
The jumpers of both sensors are positioned different, (sensor no. 1 in the filling position and sensor no. 2 in the protection position in case of lack of water).



OPERATION CHART L 1019



(FIG.5)



(FIG.6)

