Elettrosonda DB

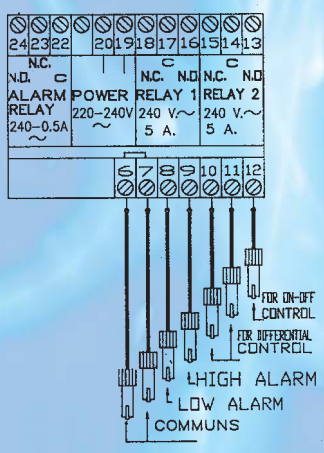
Electro-probe with 5 control points

The DB Electroprobe intended for use in the sector of level control instruments, open up a whole new field of multifunctional equipment. MAC 3 once again offers an extremely innovative product which unites a series of functions in a very small space (4 DIN modules).
List of functions:
ON-OFF electroprobe (operating in one single point).
Acts on relay 2 - Use probes 6 and 12.
Differential electroprobe (operates between two probes positioned by installer). Acts on relay 1. Use probes 10 and 11, always together with 6 and/or 7.
High alarm - use probes 9 and 6.
Low alarm - use probes 8 and 7.
Internal Buzzer - For high and low alarms.
Control for external alarm (buzzer or light).
Possibility of activating or deactivating controls by means of dip-switch. The installation of 4 electroprobes would be necessary to obtain the same functions.

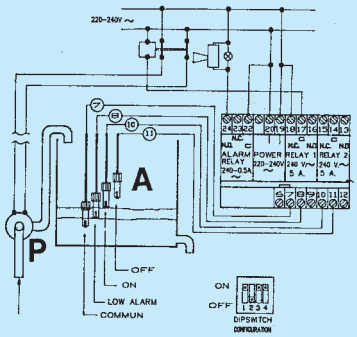
Type	Elettrosonda DB
Code	ED22000000
Supply voltage	230V~ 50÷60 Hz
Inter-electrode voltages	24V~
Power consumption	10VA max
Operate resistance	0 ÷ 20 KΩ
Release resistance	> 20 KΩ
Contact rating Relays 1 and 2	AC1 resistive load 5A a 250V~ AC ind. load Cos φ = 0.4 2A a 250V~ DC 5A to 30V~
Contact rating Alarm relay	AC1 resistive load 0,5A 250V~
Response time	100 ms
Operating temperature	- 10 ÷ + 55 °C
Storage temperature	- 20 ÷ + 85 °C
Housing	Noryl (PPO UL 94V0)
Dimensions	mm 90x72x60
Weight	gr. 320

Installation
When making the installation as per examples given, particular attention should be paid to certain details: Together with the probes for level control of for activating the alarms it is essential to always have a (common) probe, connected to terminal 6 or 7 (terminals 6 and 7 are joined to each other internally). This " common' probe must always be lower than any other probe.
The low and high alarm are not interchangeable, that is: the low alarm activates the relay when the probe situated at the bottom is no longer wet be the liquid.
The high alarm activates the relay as soon as the liquid touches the probe.

Note: Supply voltage:
24 V~ code ED02400000 117 V~ code ED11000000
Version powered by external power supply code ED0A000000
Power supply: code TA01000000

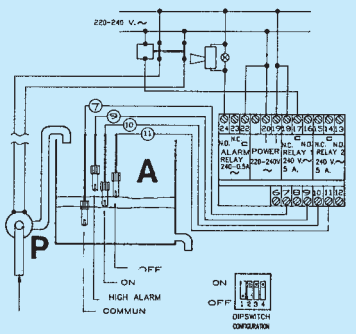


1



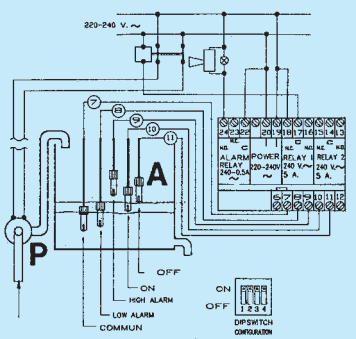
In **A** maintains the level between the on and off probes and activates the alarm when the liquid falls below the "low alarm" probe.

2



In A maintains the level between the on and off probes and activates the alarm in the liquid exceeds the "high alarm" probe.

3



In A maintains the level between the on and off probes and activates the alarm in the liquid exceeds the "high alarm" probe.