

The ELECTROPROBES of the Z, Q, M, series, produced by the MAC3, are regulators of conductive fluid suitable for the minimum and maximum level control of deep well, tanks, cisterns etc.

The operating principle is based on the detection, on the part of the control box, of the fluid resistance, the level being controlled by means of special probes immersed in the liquid with the longest acting as a common element. When the level of the liquid inside the container or the well wets all three probes a relay is activated which is subsequently deactivated only when the level descends, uncovering the lower probe.

NOTE ON THE USE OF THE VARIOUS MAC3 ELECTROPROBES

The MAC 3 Electroprobes are marked with initials according to the possible utilization:

Z electro-probe: to be used with Octal (8-pin) **SKIRTING** or Undecal (11-pin type)

Q electro-probe: to be used on **BOARDS** with **DIN** bar

M electro-probe: to be used on boards with DIN bar. Multi-voltage power 24-117-230 V~.

Electro-probes Z, Q and M are available with 3 different sensitivities:

NS = normal sensitivity, **AS** = high sensitivity, **SR** = Adjustable sensitivity

Models NS (the best for waters)

In the case of wells with a diameter max of 100 mm. the NS model probes should be positioned in such a way that there is not more than mt. 2.0 between the lowest and the highest (sufficient to protect the pump).

For wells with a larger diameter, the probes can be set at a greater distance. There are no limits for tanks. To conclude, liquids with a total resistance of 5,6 Kohm max. can be well controlled. The control box can be placed at a distance of up to 1,000 mt, from the probes. The use of type NS offers extremely safe operation since they are not particularly sensitive to the conditions of humidity associated with wells and tanks.

Models AS

To control liquids with low conductivity, rainwater for example, the AS type in the Base-mounted or Board and Multi-tension versions are particularly suitable.

These models permit liquids with a very high total resistance, up to 70 Kohm, to be controlled.

SR Model

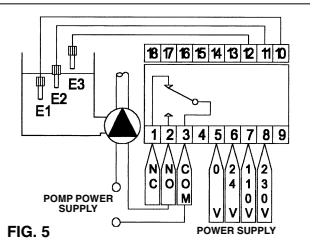
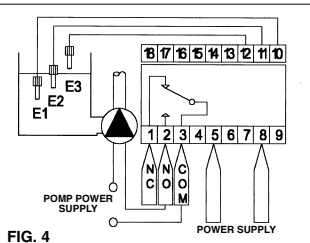
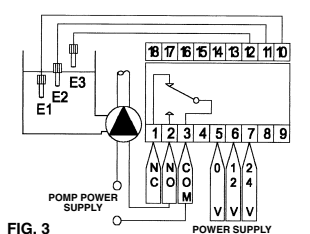
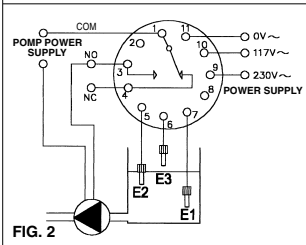
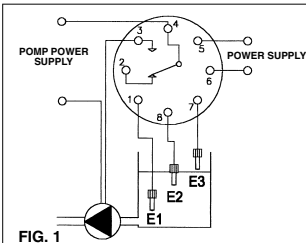
A further addition to the range, this model ensures maximum liquid control safety even liquids of very different conductivity features.

ALL THE MODELS ARE TROPICALIZED

which means they are treated for continuous operations at high temperatures with a high degree of humidity.

The connections are indicated on the side of the control box and in this prospectus.

E1 = COMMON PROBE **E2 = LOW PROBE** **E3 = HIGH PROBE**



FEATURES CARATTERISTICHE	MODEL - MODELLO				
	Z8 Multi-voltage Multitensione	Z11 Dual-voltage Bitensione	M Multi-voltage Multitensione	Q Single-voltage Monotensione	Q Dual-voltage cc Bitensione cc
Power supply / Alimentazione	230V~ 2VA	117 / 230V~ 2VA	24 / 117 / 230 4VA	230V~ 2VA	12 / 24 Vcc 1W
Power supply on request / Alimentazioni su richiesta	24 - 117 V~	24 / 48 V~	—	24 / 117 / 380 V~	—
Electrode voltage / Tensione elettrodi	10V~	10V~	10V~	10V~	1,5 Vpp
Sensitivity / Sensibilità	NS AS SR	NS AS SR	NS AS SR	NS AS SR	NS AS SR
Insulation Resistance / Resistenza isolamento	>10M ohm	>10M ohm	>10M ohm	>10M ohm	>10M ohm
Dielectric Stenght / Rigidità dielettrica	2000V	2000V	2000V	2000V	2000V
Life / Vita	10 years / anni	10 years / anni	10 years / anni	10 years / anni	10 years / anni
Weight / Peso confezione	370gr	385gr	430gr	430gr	290gr
Dimensions (control box) / Dimensioni (centralina)	75x47x85 mm		53x95x58 mm		
	FIG. 1	FIG. 2	FIG. 5	FIG. 4	FIG. 3