

Elettrosonde Z8-Z11

Electro-probes with high, low and variable sensitivity for base mounting. DC and AC power supply, single and dual supply voltage

The electroprobes of the Z series are particularly interesting for their reduced size. The Z11 model has a double voltage supply. Both the Z8 and Z11 models are available in the three versions: normal sensitivity (NS), high sensitivity (AS) and adjustable sensitivity (SR).

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.

General features

Supply voltage	24V - ,48V - / 117V~, 230V~
Operate resistance	5,6 K Ω (NS) 70 K Ω (AS) 0-100K Ω (SR)
Inter-electrode voltages	10V~
Power consumption	5VA
Contact rating	
AC1 resistive	5A to 250V~
AC ind. load Cos φ 0,4	2A to 250V~
DC inductive load	5A to 30V -
Dielectric strength	2000V
Response time	100 ms
Operating temperature	- 10° ÷ + 50 °C
Storage temperature	- 20° ÷ + 80 °C
Dimensions	mm 79x35x88
Weight	gr. 200
Housing	Noryl (PPO) UL 94V0
Accessories included	n° 3 electrode code TP00000000
Note	
Max cable length of probes	m 70 ÷ 80 (AS-SR) m 1000 (NS)

Voltage available:

Z8 single supply voltage

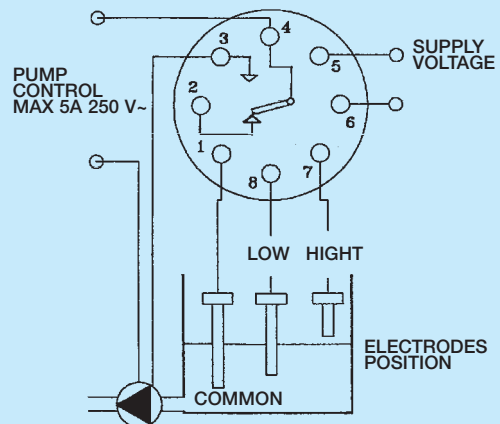
Elettrosonda Z8 NS with 3 probes	24V -	code EZ08D000Z3
Elettrosonda Z8 NS with 3 probes	48V -	code EZ08E000Z3
Elettrosonda Z8 NS with 3 probes	117V~	code EZ08X000Z3
Elettrosonda Z8 NS with 3 probes	230V~	code EZ08Y000Z3
Elettrosonda Z8 AS with 3 probes	24V -	code EZ08DH00Z3
Elettrosonda Z8 AS with 3 probes	48V -	code EZ08EH00Z3
Elettrosonda Z8 AS with 3 probes	117V~	code EZ08XH00Z3
Elettrosonda Z8 AS with 3 probes	230V~	code EZ08YH00Z3
Elettrosonda Z8 SR with 3 probes	24V -	code EZ08DR00Z3
Elettrosonda Z8 SR with 3 probes	48V -	code EZ08ER00Z3
Elettrosonda Z8 SR with 3 probes	117V~	code EZ08XR00Z3
Elettrosonda Z8 SR with 3 probes	230V~	code EZ08YR00Z3

Z11 dual supply voltage

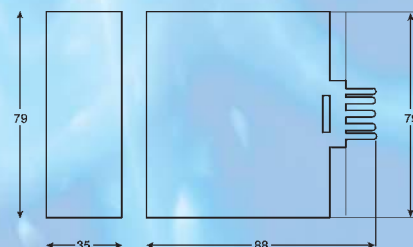
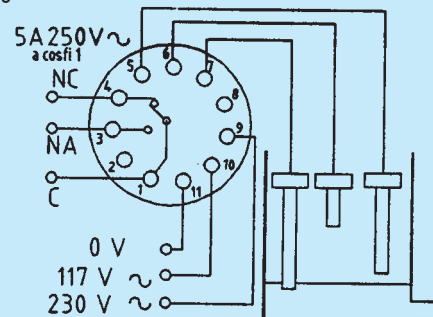
Elettrosonda Z11 NS with 3 probes	24/48V -	code EZ11B000Z3
Elettrosonda Z11 NS with 3 probes	117/230V~	code EZ11A000Z3
Elettrosonda Z11 AS with 3 probes	24/48V -	code EZ11BH00Z3
Elettrosonda Z11 AS with 3 probes	117/230V~	code EZ11AH00Z3
Elettrosonda Z11 SR with 3 probes	24/48V -	code EZ11BR00Z3
Elettrosonda Z11 SR with 3 probes	117/230V~	code EZ11AR00Z3



Wiring diagram Z8



Wiring diagram Z11



Electro-probe accessories

The accessories manufactured by MAC 3 are to complete its range of level regulation devices.

Type	Socketes 8 pin
Code	TZ08000000
Mounting	DIN rail or surface mounting
Material	ABS
Weight	gr. 45
Dimensions	mm 60x40x23
Operating room temperature	80 °C max

Type	Socketes 11 pin
Code	TZ11000000
Mounting	DIN rail or surface mounting
Material	Noryl UL 94 V1
Weight	gr. 55
Dimensions	mm 60x40x31
Operating room temperature	80 °C max

Type	Probe
Code	TS0ND00000
Mounting	Directly in the liquid
Material	ABS
Weight	gr. 45
Dimensions	Ø mm 22x85
Operating room temperature	80 °C max

Type	Triple probe holder
Code	Tp00000000
Mounting	Hole Ø mm 65
Material	Thermosetting resin
Weight	gr. 190
Dimensions	Ø mm 80x72
Operating room temperature	80 °C max
Note	Electrodes mm Ø 5 not included. Protective terminal cover.

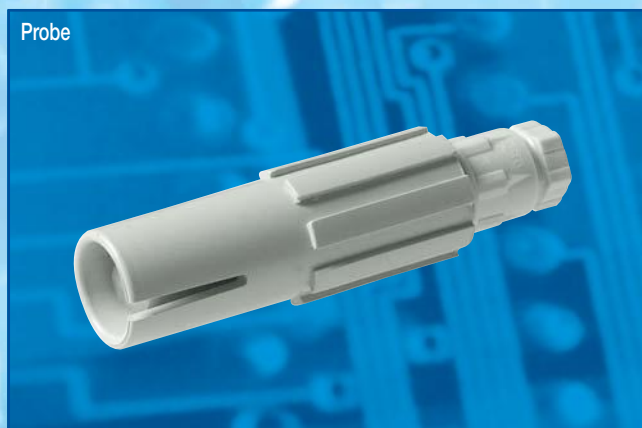
Socketes 8 pin



Socketes 11 pin



Probe



Triple probe holder

