

Electroprobe Z - DIN socket mounted level controller

DIN socket mounted conductivity probe level controller

- **DIN Socket Mounted (2DIN, 35mm)**
- **Plugs Into Octal or Undecal DIN Sockets, can be replaced in seconds**
- **Ideal for OEM Integration or control panel building**
- **Uses Conductivity Probes with no Moving Parts**
- **Fill or Drain between 2 Levels**
- **Suitable for a Variety of Conductive Liquids**
- **Supply voltages from 12V to 415V**
- **3 Probe Sensitivity Ranges Including Adjustable Sensitivity (SR Models)**
- **Single or Double Voltage Supply (Z8 or Z11)**
- **Non-voltage Relay Output Rated 250VAC 5A(AC1) 2A(AC3)**

How Does It Work?

Electroprobe Z is a multifunctional level controller with 1 fixed function.

- **Differential Fill/Drain Function**, activates a relay output to maintain the level between two probes set at different heights. The relay only changes state when either the upper probe becomes immersed or the lower probe becomes dry, allowing the water level to move between but not exceed the area between the two level probes.



3 conductivity probes are used, a common electrode is always immersed and 2 electrodes above this level form low and high set points allowing **Electroprobe Z** to maintain the level within a specific range.

Electroprobe Z is commonly used with water and other fluids with dependable conductivity, there are 3 main models available.

- **NS - Standard Sensitivity** - For clean water and fluids with a maximum total resistance of 5.6KΩ. This unit will tolerate very long probe cable lengths of up to 1000m
- **AS - High Sensitivity** - For fluids with low conductivity, particularly rainwater, with total resistance of 68KΩ. This unit will tolerate probe cable lengths of up to 80m
- **SR - Adjustable Sensitivity** - For fluids of unknown resistance. Adjustable between 0 and 100KΩ. This unit will tolerate probe cable lengths of up to 70m

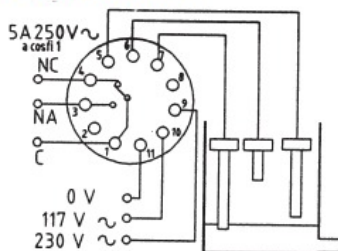
Each model is available in a variety of supply voltages including AC and DC and ranging from 12V to 415V with many models having multiple voltage capability.

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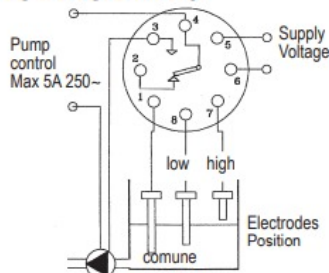
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Technical Specifications		
Physical		
Model	Z8	Z11
Material	Noryl (PPO) UL94 V0	
Weight	200g	
Dimensions	79x35x88mm	
Mounting	Octal Socket	Undecal Socket
Ingress Protection	IP20	
Electrical		
Power Supply	230 Vac 50 - 60Hz 24 ,48, 117 Vac on request	117 – 230 Vac 50 - 60Hz 24 – 48 Vac on request
Power Consumption	5 VA Max.	
Inter Electrode Voltage	10 Vac	
Output Characteristics	250V 5(2)A	
Dielectric Strength	2 KV	
Operating Resistance		
	Model AS	68KΩ
	Model SR	0 – 100KΩ
	Model NS	5.6KΩ
Response Time	100ms	
Contact Rating Alarm Relay	AC1 0.5A, 250V Resistive	
Operating Temperature	-10°C – +50°C	
Storage Temperature	-20°C – +80°C	
Maximum Length Of Probe Cables		
	Models AS – SR	70 m
	Model NS	1000 m

WIRING DIAGRAM Z11



WIRING DIAGRAM Z8



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