

Electroprobe EV – DIN rail mounted level controller

Conductivity probe level controllers with adjustable sensitivity and time delay

- **DIN Rail Mounted (2DIN 37mm and 3DIN, 53mm)**
- **Ideal for OEM Integration or Control panel building**
- **Uses Conductivity Probes with no Moving Parts**
- **Fill or drain between 2 probe points**
- **24,117, 230 and 380-415VAC Supply**
- **Adjustable Probe Sensitivity from 0-100Kohm**
- **Single or Double Pole Non-Voltage Relay Outputs**
- **Non-voltage relay outputs rated 250VAC 5A(AC1) 2A(AC3)**
- **Time Delay 0-16 seconds (some models only)**

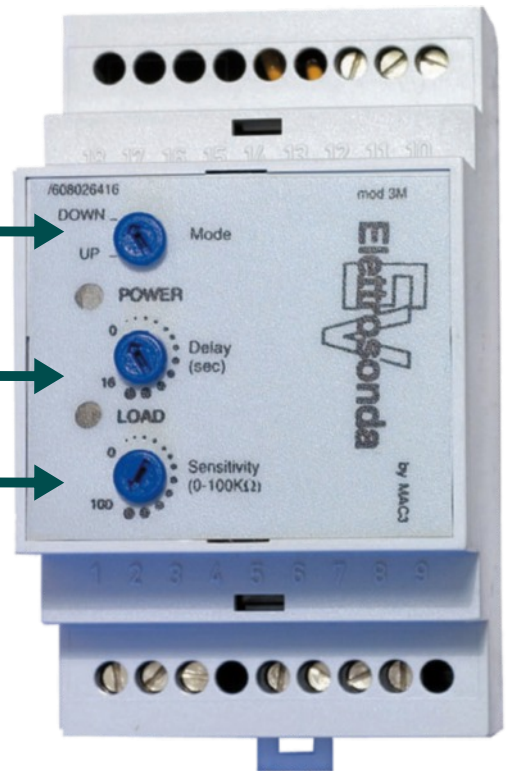
How Does It Work?

Mac3 *Electroprobe EV* is a family of DIN rail mounted level controllers. *Electroprobe EV* operates between 2 level probes set at different levels within the tank, plus a common probe (always immersed). The output relay is activated either when water touches the upper probe, and de-activated when the lower probe becomes dry, or vice-versa, depending on the mode selected. Below both these probes a common probe provides a constant sensing connection back to the controller.

The maximum probe cable length can be up to 1000m when set to normal sensitivity 5.6 kOhms.

Adjustments:

- Mode →
- Delay →
- Sensitivity →



The following features are available in various models of **Electroprobe EV**

- **Differential Fill/Drain function** - Activates a relay output to maintain the level between 2 probes set at different heights.

Probe sensitivity is adjustable from 0 to 100Kohm.

MEV models are multi-voltage, with input voltage of 24VAC, 117VAC and 230VAC. EV models are 230VAC.

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Technical Specifications

	Model					
Features	Q3	Q3-M	Q3 EV-2OUT	Q3 M EV-2OUT	Q3 VCC	Q2
Physical						
Material	Noryl (PPO) UL94 V0					
Weight	430g			290g	160g	
Dimensions	53x95x58mm				37x95x58mm	
Mounting	EN50022 DIN Rail					
Ingress Protection	IP20					
Electrical						
Power Supply	230 VAC	24/117/230 VAC	230 VAC	24/117/230 VAC	12/24 VDC	230 VAC
Power Consumption	2 VA	4 VA	2 VA	4 VA	1 W	2 VA
Inter Electrode Voltage	10 VAC				1.5 VDC	10 Vac
Output Characteristics	250V 5(2)A					
Dielectric Strength	2 KV					
Operating Features						
Adjustable Start Time Delay				0 - 16 Seconds		
Sensitivity	0-100Kohm					
Relay Outputs	1		2		1	
Operating Temperature	-10°C – +50°C					
Storage Temperature	-20°C – +80°C					

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