

RainControl – Rainwater level controller

DIN rail mounted mains cold water back-up and level display system

- **DIN Rail Mounted**
- **Ideal for OEM Systems and Panel Building**
- **Customisable Operating Parameters**
- **Accurate LCD Level Display and Mains Cold Water Top-up/Back-up Function**
- **Level Measurement by Submerged Pressure Sensor, No Moving Parts**

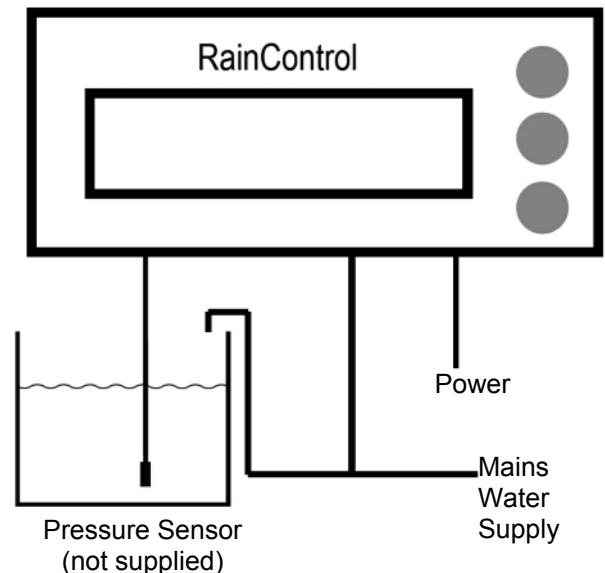


How Does It Work?

Mac3 *RainControl* is a DIN rail mounted unit, that measures a rainwater tank level using a submerged pressure sensor (not included) and either tops up with a measured amount of mains water (direct systems with submerged pump), or opens a 3 way motorized valve (indoor break tank & pump systems) when required.

When a low level threshold is reached, *RainControl* opens a solenoid or motorised valve to supply mains water until a high level threshold is reached. After this, *RainControl* de-activates the output and reverts to level display mode

An anti-blocking timer function allows the valve to be scheduled to open periodically regardless of the tank level, in order to prevent jamming.



All of the thresholds for high and low water levels can be set by the installer, calibrating the unit to whatever installation the unit is connected to.

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Technical Specifications

Physical	RainControl	
Material - Body	Noryl (PPO) UL94 V0	
Weight	Unit	450g
	With Sensor	1290g
Dimensions	105x90x73mm	
Mounting	DIN Rail (EN50022)	
Ingress Protection	IP20	
Storage Temperature	-10°C – +60°C	
Operating Temperature	0°C – +50°C	
Electrical		
Supply Voltage	117Vac 50-60Hz Single Phase	230Vac 50-60Hz Single Phase
Power Consumption	5.5VA max	
Display	2x16 LCD	
Output Relay	250Vac 10A	
Channels	1	
Field Of Measurement	0 – 5m H ₂ O	
Maximum Overpressure	20m H ₂ O	
Measuring Accuracy	±1%fs	
Measuring Resolution	1cm H ₂ O	
Minimum Differential	2cm H ₂ O	

Physical	Sensor For Raincontrol	
Material - Probe	Stainless Steel (AISI 316)	Brass
Probe Type	Monolithic piezoresistive transducer, calibrated and tempered	
Weight	840g	
Dimensions	32x76 mm	
Cable Length	10m (as standard)	
Cable Type	PVC (2 wires + compensation tube)	
Installation	Submersible and External	
Operating Liquid	All Types Of Water, pH 5 – 9	
Electrical		
Supply Voltage	15 – 30 V 20mA Max. (From RainControl Device)	
Power Consumption	5VA max	
Monitoring Range	180 – 260Vac	
Output	4 – 20 mA Rt=250 Ω Max.	
Long Term Drift	±0.3% fs/°C	
Thermal Zero Shift	±0.05% fs/°C	
Thermal Zero Span	±0.05% fs/°C	

Please note that the Sensor (**RCPT10S20**) is not supplied with the **RainControl** unit, and must be ordered separately.

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