

Reka — A compact single action float switch alternative

Ideal for use in areas where conventional float switches cannot be used

- Ideal for Header Tanks, Shallow Tanks and confined spaces
- Directly Switches Pumps up to 4A
- Capacitive Level Measurement
- IP68 Fully Waterproof
- Compact, just 250mm long
- Compliant With CE EN60730



Suitable For :

- Tank Filling
- Maximum Level Control
- High-Level Alarms
- Flood Water Detection



How Does It Work?

Mac3 Reka capacitive liquid level sensor can be used to replace a traditional float switch with a fixed non-moving sensor. Electrical connections and power handling are the same as for a typical float switch, allowing easy integration with existing system designs. The fixed positioning avoids the problems of cable/weight slippage, detachment, and poor repeatability associated with float switch installations.

The compact and non-toxic polypropylene construction are ideally suited to locations where there is not enough room to mount a float switch.

There is a screw hole at either side near the top of the unit allow it to be fastened within a tank for level control, or against a wall or step for flood warning. A high tank level can also be detected by inserting the unit through a slot cut in the top of the tank if a

temporary installation is required or if access to the tank is restricted.

Fluid detection is via 2 sensing paddles immersed in the fluid. The presence of fluid on these paddles will cause the output relay to close, causing it to output 230V. The measuring range of *Reka* starts at a low level 30 to 40mm from the lower tip of the unit, and a higher level at 110 to 130mm. This provides a switching level differential imitating the operation of a mechanical float switch. The lower switching level is reduced for fluids other than water, as indicated in the diagram on the following page. Water, Wine, Fruit Juices, Milk and Fluid Soaps are compatible with this product.

Reka outputs 230VAC when fluid is detected, so for some tank filling or low level alert applications an additional relay may be needed to reverse the output function and produce a voltage output when not immersed.

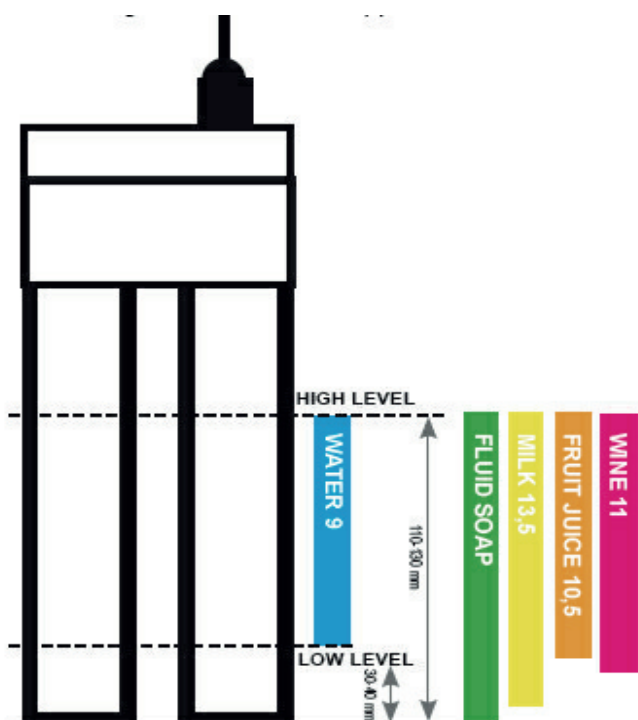
The *Reka* can control a pump of up to 4A or a resistive load up to 10A at max 250VAC.

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Technical Specifications

Physical	
Width	93 mm
Length	250 mm
Height	31 mm
Weight	240 g
Material - Body	Polypropylene
Mounting	Vertical, Surface Mounted
Max. Operating Pressure	0.2 Bar (2m depth)
Electrical	
Power Supply	230 VAC
Power Consumption	10mA
Output Relay	250V-10(4)A , 2300VA
Output Relay Dielectric Strength	250V-10(4)A , 1500VA
Level Control	
Level Sensing	Capacitive
Environmental Limits	
Storage Temperature	-20 - 80°C
Operating Temperature	1 - 50°C
Ingress Protection Rating	IP68
Maximum Immersion Depth	2m



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