

# Level Control Relay

## Emptying Control – Borehole / Well



**micro controle**  
automação electrónica, lda.

**RFA 101 FSM**



### Technical Specifications

#### INPUT RELAY

Power Supply: AC  $\pm 10\%$  (230V, 400V) / 50 Hz

Power Consumption: 2 VA (aprox.)

Supply Indication: Green LED

#### OUTPUT RELAY

Dry Contact for Control: AC 8A – 250V

Dry Contact for Alarm: AC 8A – 250V

#### GENERAL

Ambient Temperature [ -10°C, +55°C]

Protection Degree IP20

Pollution Degree 1

Modular Relay for DIN Rail mounting EN50 022

EU Directives – CE Marking: 2014/35/UE



### Operation

#### POWER INDICATION (GREEN LED ON - A.1)

The "S1" contact arms when the liquid level reaches the upper level probe (terminal S), turning on the green LED "N.A." (high level).

The "S1" contact disarms when the liquid level drops below the lower level probe (terminal I) – the green LED "N.A." turns off, and the red LED "F.A." (water shortage) turns on, preventing the submersible pump to work without a minimum liquid level.

**Level control relay for Borehole or Well, with indication of "High Level" and "Water Shortage".**



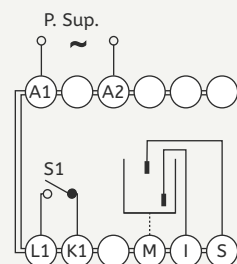
### Applications

Level control in conductive liquids using three probes (minimum, maximum, and ground), with minimum level indication and protection.

Indication and protection for submersible pumps against dry run in the borehole or well.



### Connections



### Order Codes

- ▶ RFA 101 FSM 24V AC
- ▶ RFA 101 FSM 230V AC
- ▶ RFA 101 FSM 400V AC



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