

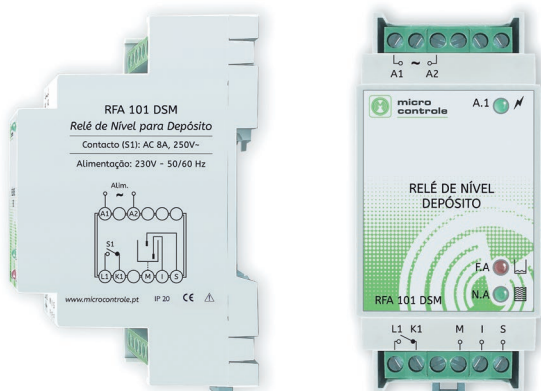
# Level Control Relay

## Filling Control - Tank / Cistern



**micro controle**  
automação electrónica, lda.

**RFA 101 DSM**



Level control relay for tank filling, with indication of "High Level" and "Water Shortage".



### 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



### Applications

Level control in conductive liquids, using three probes (minimum, maximum, and ground), with maximum level protection – protection against overflows in tanks or cisterns.

Filling control in tanks.

Minimum level alarm – protection against water shortage in tanks.



### Operation

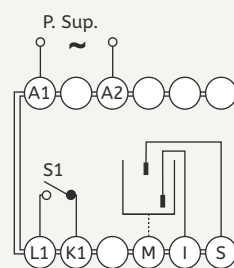
#### POWER INDICATION (GREEN LED ON - A.1)

The "S1" contact closes when the liquid level is no longer in contact with the lower level probe (terminal I), turning on the red LED "F.A." (water shortage).

The "S1" contact opens when the liquid level reaches the upper level probe (terminal S) – the red LED "F.A." turns off, and the green LED "N.A." (high level) turns on.



### Connections



### Order Codes

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



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