

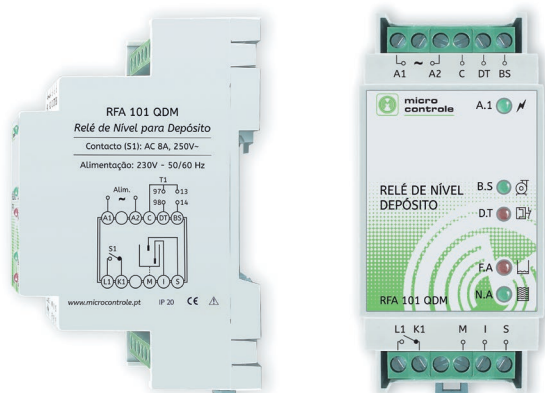
Level Control Relay

Filling Control - Tank



micro controle
automação electrónica, lda.

RFA 101 QDM



Level control relay for tank filling, with indication of "High Level", "Water Shortage", "Pump in Service", and "Thermal Trip".



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.

Filling control in tanks.

Minimum level alarm – protection against water shortage or lack of water in tanks / cisterns.

Indication of "Pump in Service" and "Thermal Trip".



Operation

POWER INDICATION (GREEN LED ON - A.1)

The "S1" contact closes when the liquid level reaches the lower level probe (terminal I), turning on the red LED "F.A." (water shortage). Switching on the pump.

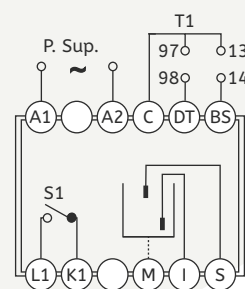
The "S1" contact disarms when the liquid level reaches the upper level probe (terminal S) - the red LED "F.A." turns off, and the green LED "N.A." (high level) turns on. Switching off the pump.

After the closure of the contact pair (C - BS), the "B.S." (Pump running) green LED lights up.

After the closure of the contact pair (C - DT), the "D.T." (Thermal trip) red LED lights up.



Connections



Order Codes

- ▶ RFA 101 QDM 230V AC
- ▶ RFA 101 QDM 400V AC



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