

Level Control Relay

Emptying Control - Borehole / Well



micro controle
automação electrónica, lda.

RFA 101 QFM



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 closes when the liquid level reaches the upper level probe (terminal S) (green LED on - "N.A." high level).

The "S1" contact opens 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.

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.



Applications

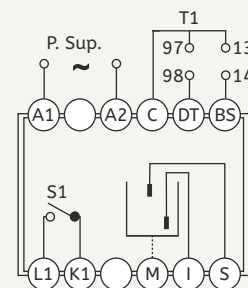
Level control in conductive liquids using three probes (minimum, maximum, and ground), with minimum level indication and protection.

Indication and protection for submersible pumps against water shortage.

Indication of "Pump running" and "Thermal Trip".



Connections



Order Codes

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



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