

DRS-300

- ▣ liquid sensor
- ▣ push-pull output
- ▣ small dimensions
- ▣ additional reference electrode

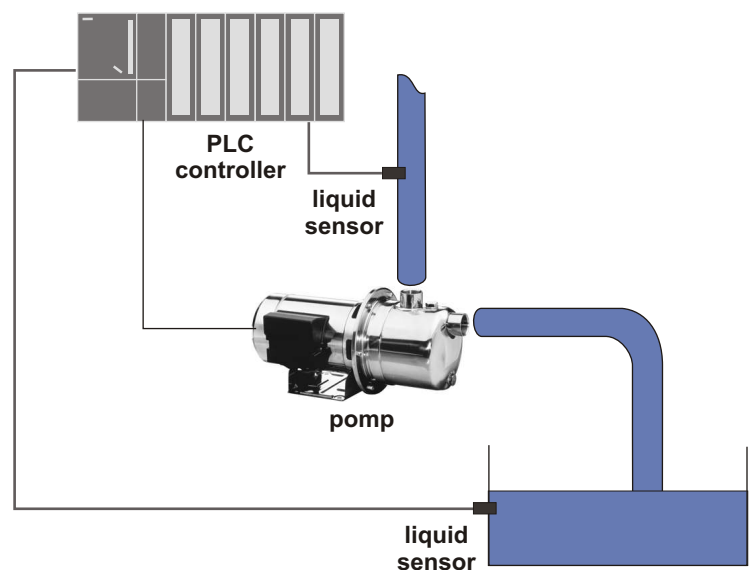


Liquid sensor type **DRS-300** is designed for conducted liquid presence detection. Parameters of the detector have been fixed to allow detection of actual presence of liquid on its electrodes and to be resistant for low impedance conducted surfaces (eg. wet fingers). Additional reference electrode prevents detector against false signalling when liquid covers its surface only. PUSH-PULL output gives an opportunity for connection either to devices equipped with direct or inverse logic inputs.

Wide range of supply voltage (12 - 30V DC) and operation temperatures ($-40^{\circ}\text{C} \div +85^{\circ}\text{C}$) allow to use the sensor in most systems (eg. pump dry run detection, full tank detection etc.)

- detection of actual presence of liquid on electrodes,
- case protection class IP 67,
- operation temperatures $-40^{\circ}\text{C} \div +85^{\circ}\text{C}$.

Typical applications



Application

- pump dry run detection,
- full tank detection etc.,
- liquid level detection.

Ordering

DRS-300-001

Technical data

Power supply: 12V .. **24V** .. 30V DC

Power consumption: ca. 5 mA (+ load capacity for output)

Output: PUSH-PULL type

Load capacity for output: 50 mA (sink and source)

Signalling delay time: < 100 ms

Operating temperature: $-40^{\circ}\text{C} \div +85^{\circ}\text{C}$

Protection class for sensor case: IP 67

Electrodes material: stainless steel, acid-resistant

Filling material: polyurethane resin

Mounting: thread mounting, O-ring included (or additional flat ring - gasket, provided on request)

Connection cable: 4 wires x 0.35 mm², polyurethane

Wire length: 1 m

Case: cable gland M20x1,5

Case dimensions: 28 x 33 mm, thread M20x1,5x9

Weight: 50 g