

LIQUID SENSOR

SD-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.)

FEATURES

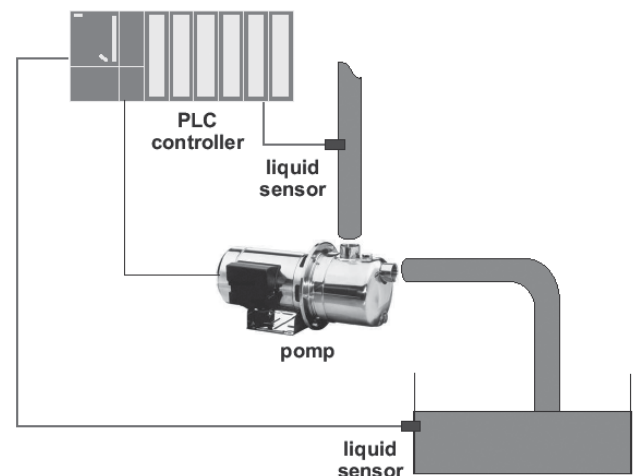
- detection of actual presence of liquid on electrodes
- case protection class IP67
- operation temperature $-40^{\circ}\text{C} \div +85^{\circ}\text{C}$

APPLICATIONS

- Pump dry run detection
- Full tank detection etc.
- Liquid level detection



TYPICAL APPLICATIONS



TECHNICAL SPECIFICATIONS

Power supply	12..24V..30 VDC
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	IP67
Electrodes material	stainless steel, acid-resistant
Filling material	polyurethane resin
Mounting	thread mounting
Connection cable	4 wires x 0,35 mm ² , polyurethane
Wire length	1 m
Case	cable gland M20x1,5 LAPKABEL
Case dimensions	28 x 33 mm, thread M20 x 1,59 x 9
Weight	50 g

SENSOR DATA