

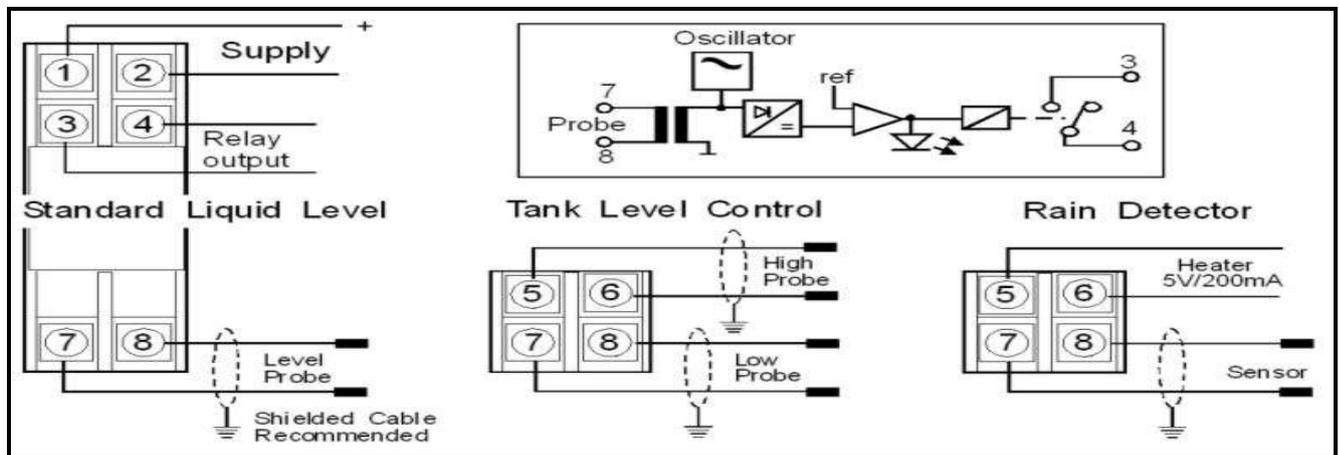


Liquid Level Detector (v2) BLLD207

DESCRIPTION

The LIQUID LEVEL DETECTOR BLLD207 offers an economic solution to applications requiring an isolated liquid level or soil moisture detection. Due to its total width of only 23.5mm and the 35mm DIN-Rail mounting arrangement the BLLD207 is ideal for field enclosures or as a "space saver" in larger control cabinets. Its transformer coupled input eliminates DC coating problems and low energy immunity to interference. A precision oscillator and amplifier drives the input transformer, when conduction occurs the detector relay trips. Front LED's indicate power trip condition. Power choices vary from 12Vdc to 280Vac. Double surge protection is standard as with all series 200 modules to prevent failure due to spikes induced by DC switched inductive loads.

- Liquid level detection using conductive probes such as BASI
- Soil moisture monitoring using watermark soil moisture sensor SMS009.
- Tank level control (pump ON / OFF) using 2 x conductive probes
- Rain detection using the BRD512 using the heater option and 3 μ S sensitivity.



General Specifications

Size: 23.5W x 71H x 109D (mm).
 Mounting: Clip for 35mm DIN-Rail.
 Housing material: Polycarbonate.
 Connection: Screw terminals.
 Weight: 0.130 kg.
 Protection class: IP40 (IP65 Enclosure opt.)
 Turn on settling time: less than 500 milliseconds.
 Cable length: Less than 50 metres with shielded data cable recommended. Distances of up to 100 metres are practical if 50pF/metre cable were used and only one probe is connected per shielded cable.

Probe excitation: Standard 6Vpp, 1kHz
 Soil moisture sensor 1Vpp, 1kHz.

Operating temp. range: -20...+70°C.

Relay Contact: N/O 8A/250Vac resistive, 3.5A/250Vac inductive.

Power supply swing: -20...+30% (24Vdc supply).
 Output contact isolation: 2kV.
 Input to power isolation: Power options 1 and 2: 100Vac. Power options 3 and 4: 1000Vac / 1500Vdc.

Electromagnetic compatibility: CE Complies with EN 50081-1 EN 50082-2

Ordering Key:

BLLD207 - X X X X X

Power Supply:

- *) 1 = 12Vdc -20 + 30%
- *) 2 = 24Vdc -20 + 30%
- *) 3 = 60-300Vdc / 60-280Vac 50/60Hz
- *) 4 = 10V - 60Vdc / 16 - 42Vac 50/60Hz
- *) 9 = Other (specify)

Input / Probe:

- 1 = Single probe.
- *) 2 = Two probes for tank fill.
- *) 3 = Two probes for tank drain.
- *) 4 = Rain detector RD512 (probe + heater 5V / 200mA; only with power options 3 or 4).
- *) 9 = Other (specify)

Sensitivity:

- 1 = Standard tap water (>100 μ S).
- *) 2 = Pure water (> 3 μ S).
- *) 3 = Watermark Soil Moisture Sensor SMS009.
- *) 9 = Other specify.

Output:

- 1 = Normally open relay contact
- *) 2 = Normally closed relay contact
- *) 9 = Other (specify)

Option:

- 0 = None.
- *) 9 = Other (specify)

*) Price Extra..

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