

# DNGA 230 100 Double Level Control Unit

**Input: 4 resistance inputs**

**Outputs: 2 Relays**

**Front-adjustable input sensitivity**

**Galvanic separation**

**Power supply 230 V**

**Min./Max. Level registration**



## Description

The Double Level Control Unit has two independent, galvanically separated electrical circuits. Each circuit controls a relay with Normally Open contacts. The status of each relay changes as a function of the two resistance inputs.

The two inputs act with a hysteresis. The sensibility of the relay circuit can be adjusted from the front of the module. LED's indicates an activated relay.

The module can be used as an evaluation module for LSKx2x or LSKx5x sensors. Please refer to the application example(s).



**Baumer**

## Technical Data

### Input

Range	7...100 KOhm (Adjustable)
Probe voltage	24Vac
Probe current	4 mA

### Environmental conditions

Operating temperature	-20...50°C
Storage temperature	-50...85°C
Humidity	< 85% RH, non-condensing

### EMC data

Generic standards	EN 61000-6-3, EN 61000-6-2
LVD standards	EN 61010-1, EN60204-1

### Mechanical data

Dimensions	91.5 x 98 x 35 mm
DIN-rail mounting	DIN 46277
Protection class	Housing: IP 20
Weight	0.325 kg

### Power Supply

Supply range	230 Vac (+10 /-15%)
Frequency	50/60 Hz
Power consumption	15 mA

### Output Relay

Resistive load	AC: 250 V / 10 A DC: 200 V / 0.4 A DC: 24 V / 10 A
Inductive load	AC: 250 V / 5 A DC: 24 V / 5 A
Mechanical life cycle	> 30 x 10 <sup>6</sup> operations
Operation voltage	250...440 Vac

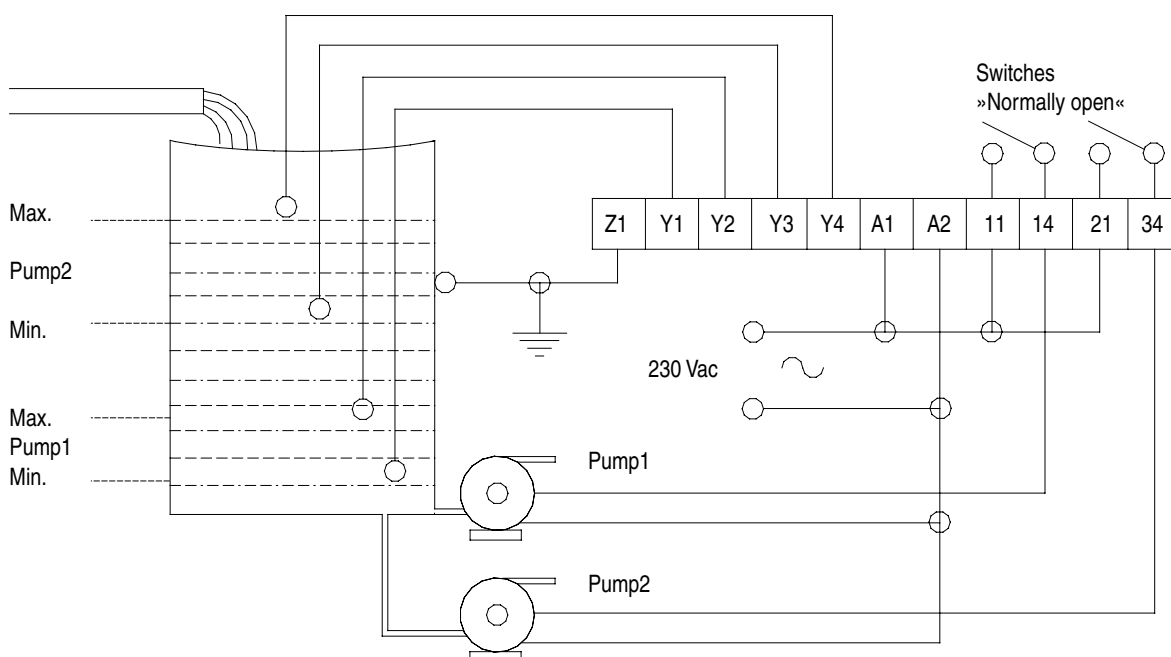
### Disposal of product and packing

According to national laws or by returning to Baumer

### Ordering Details

Type no. **DNGA 230 100**

## Application Example



### Example 1

A tank is being filled with waste water. Pump1 is supplying a filter unit. Pump2 is securing the tank from overflowing.  
 Tank: Metal  
 Ground: Via the LSK process connection  
 Instrument: LSK 250, 4 coated rods.  
 < Y1 level: Stop Pump1  
 ≥ Y2 level: Start Pump1  
 < Y3 level: Stop Pump2  
 ≥ Y4 level: Start Pump2

