

# NL28

## Conductive Level Control with limit



VP-NL28-EN

### Description

The NL28 series is a family of mains-operated 2-point level controllers based on the conductive measuring principle.

It is possible to choose between models with upper limit monitoring (protection against overflow) or lower limit monitoring (protection against pump dry running or for heating protection).

For the models with upper limit monitoring, sensor break monitoring is integrated in the device. Special probes for this application are available.

Relay contacts act as switch outputs for controlling pumps, valves, alarm displays, PLC, etc.

The setting options for switching function (inflow/outflow control), sensitivity and switching delays allow optimum process adaptation.

Displays for power supply, switching output, alarm and the level status facilitate commissioning and provide information about the operational position.

### Advantages / features

- Two independent relay outputs for control function and limit value
- Display of the level status on the device
- Meets the requirements for pressure vessels (Swiss Association for Technical Inspections)

### Application examples

- Water containers, tanks, reservoirs
- Waste water treatment plants, separation plants
- Special boilers, steam generators, pressure vessels
- Detergent preparation and recovery
- Waste water pumping systems in buildings
- Overflow protection, pump dry run, heating protection
- Washing plants, aquariums, swimming pools, saunas
- Commercial beverage vending machines and dishwashers

### Technical Specifications (subject to modifications)

|                             |                 |
|-----------------------------|-----------------|
| Power supply                | 230 VAC         |
| Power input                 | 1.0 VA (idle)   |
| Switching capacity          | 5 A / 230 VAC   |
| Protective insulation probe | 3.75 kVAC       |
| Sensitivity                 | 33 / 100 kOhm   |
| Operating temperature       | -10 ... +70 °C  |
| Dimensions (W x H x D)      | 36 x 68 x 75 mm |
| Cable length probe          | 25 m            |

### Models

|                            |           |
|----------------------------|-----------|
| NL2850 (upper limit value) | A11285000 |
| NL2851 (lower limit value) | A11285100 |