

NL17

1-Point Conductive Level Controller



VP-NL17-EN

Description

The NL17 series is a family of mains-operated 1-point level controllers based on the conductive measuring principle.

Relay contacts for controlling pumps or valves are available as switching outputs.

Adjustment options for sensitivity, switch-on and switch-off delay as well as displays for switching status and power supply enable optimum adaptation to a wide range of requirements.

Advantages / features

- Use with probes in ground protected boilers, tanks, reservoirs (insulation 2.5 kVAC)
- Versions for applications with touch probes (isolation 4 kVAC)
- Plug-in plastic housing for quick and easy installation
- 2 years warranty

Application examples

- Commercial beverage vending machines and dishwashers
- Boilers and steam cookers
- Pump sumps
- Swimming pools, water treatment plants
- Pump dry running protection and heating protection
- Filling control
- Intelligent switchgear for float switches

Technical Specifications (subject to modifications)

Power supply	230 VAC
Power input	1.0 VA
Switching capacity	5 A / 230 VAC
Protective insulation probe	3.75 kVAC
Sensitivity standard	20-200 kOhm
Sensitivity E model	100-1'000 kOhm
Sensitivity N model	2-20 kOhm
Relay output active	probe not wetted (NL1750) probe wetted (NL1751)
Operating temperature	-10 ... +70 °C
Dimensions (W x H x D)	36 x 45 x 75 mm
Cable length probe	40 m, 8 m (E model)

Models

NL1750 (standard)	A11175000
NL1750E (sensitive)	A11175010
NL1750N (low sensitivity)	A11175020
NL1751 (standard)	A11175100
NL1751E (sensitive)	A11175110