



Image for illustration only

The NIVA Level Controller MS1 is the ideal solution to control liquid levels with limited switching space, e.g. in:

- Pump stations
- Wells
- Pump chambers



The NIVA Level Controller MS1 is engineered especially for use in sewage works and pumping stations with liquids heavily charged with solid matter such as raw sewage etc. Thanks to the good chemical and thermal properties our level controllers are resistant to lees, uric acid, fecal sewage water, oils, petrol, diesel oil, emulsions, alcohol, fruit acids, and even many chemicals. For use at temperatures of up to 80 °C (176 °F).

### Available versions:

Type	Cable	Cable length (approx.)	Order Number
SPDT	TPR/PVC 3 x 0,75 mm <sup>2</sup>	5m (16ft)	40 000105
SPDT	TPR/PVC 3 x 0,75 mm <sup>2</sup>	10m (30ft)	40 000110
SPDT	TPR/PVC 3 x 0,75 mm <sup>2</sup>	20m (65ft)	40 000120
SPDT	TPR/PVC 3 x 0,75 mm <sup>2</sup>	30m (98ft)	40 000130

Other cable types and lengths are available upon request

### Application:

For use in municipal, industrial, commercial and domestic applications.

### Electronic connection:

Connection of level controller	Wire		
	gray	black	brown
For emptying a tank normally open	insulate	X	X
For filling a tank normally closed	X	insulate	X
Alarm high level	insulate	X	X
Alarm low level	X	insulate	X

Technical data subject to change

### Technical data:

Specific weight:	0.95 - 1.05 or according to specification
Max. temperature:	80°C
Breaking capacity:	1mA / 4V - 5A / 250V*
Switch point:	10°
Protective system:	IP 68 / 7 bar
Equipment group:	II
Cable cross section:	3x0.75 mm <sup>2</sup>
Height / diameter:	180 / 100 mm
Housing quality:	Polypropylene (PP)
Housing Color:	Orange
Cable quality:	TPR/PVC
Cable color:	Orange

\* Micro-switch with gold-plated contacts made especially for low currents in electronic circuits