

LM

Technical data

Power supply:	24Vdc; 24/115/230Vac 50÷60Hz
Power consumption:	2,5 VA max.
Storage temperature:	-30 ÷ +80 °C
Working temperature:	-10 ÷ +50 °C
Mechanical protection:	IP00
Input signal:	reed relay
Analog output:	0÷10V min load 1Kohm or 4÷20mA max load 750ohm
Display:	green led - power supply
Trimmer adjustment:	offset and span

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825B082B

Reed relay probes converter



fig.2

LM Mechanical installation

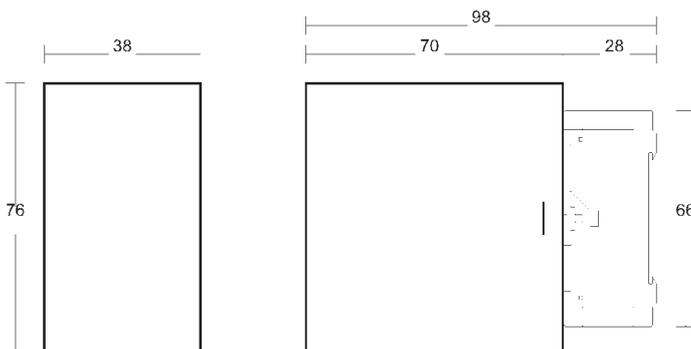


fig.1

LM General

The level measurement is based on the magnetic field generated from a magnet poked into a float, that swim in the surface of the liquid to be measured. The float is forced to move up and down of a pipe (depends to the level), and the relevant field influence the reed-contact internally to the pipe changing the internal resistance. The changing of the internal resistance is due to the position of the float because the reed contact can short circuit a part of the resistance inside in a pipe function of its position.

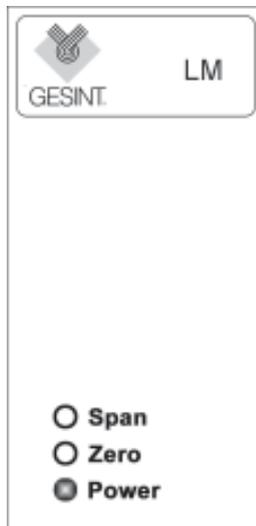
LM Calibration

0÷10V calibration.

- measure the output voltage with a good volt-meter;
- set the liquid level in the tank to 0% and, acting on the trimmer ZERO, set the output voltage to 0V.
- set the liquid level in the tank to 100% and, acting on the trimmer SPAN, set the output voltage to 10V.

0/4÷20mA calibration.

- measure the output current with a good ampere-meter;
- set the liquid level in the tank to 0% and, acting on the trimmer ZERO, set the output current to 0 or 4mA.
- set the liquid level in the tank to 100% and, acting on the trimmer SPAN, set the output current to 20mA.



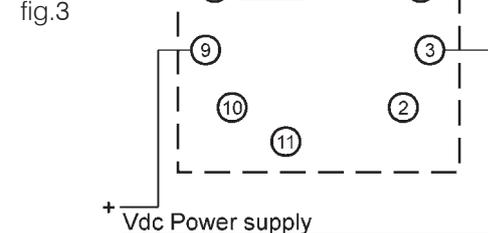
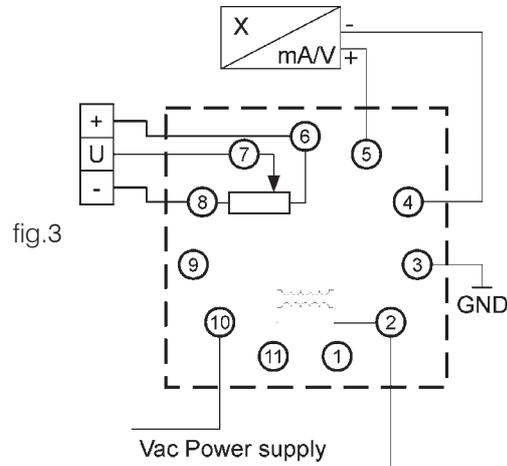
LM Electrical connections

The diagram of the electric connections has shown in figure 3 (Vac power supply) and figure 4 (Vdc power supply).

Minimum section of the cables: 0.5 mm²

Maximum length of the cables: 250 m

The cables of connection must have separate run from the cables of power.



LM Factory test certificate

In conformity to the production and check procedures I certify the equipment:

LM serial n.

satisfy technical characteristics as write in TECHNICAL DATA and it is conform to the internal procedures

Quality control Manager

Date of manufacture:

LM Warranty

The warranty expires when damages they have provoked from the use not quite or from not correct installations. The warranty is valid for a period of 12 months from the acquisition behind presentation of the manual present of installation. All the reparations in warranty will have realised beside our establishment in Rodano (MI), the costs of dismounting and reinstalling of the device and the costs of transport will be paid by the customer.



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