



GENERAL CHARACTERISTICS

This electronic unit has been designed to convert a potentiometric signal into an analog signal 4÷ 20 mA, proportional to the variations of resistance. This instrument is particularly suitable in all industrial applications where measuring sensors with potentiometric output are employed and there is the need to carry at a great distance the output signal.

Typical application is in conjunction with the continuous level controls for level measurement in the storage tanks.

- Rugged construction.
- No calibration.
- DIN rail mounting.

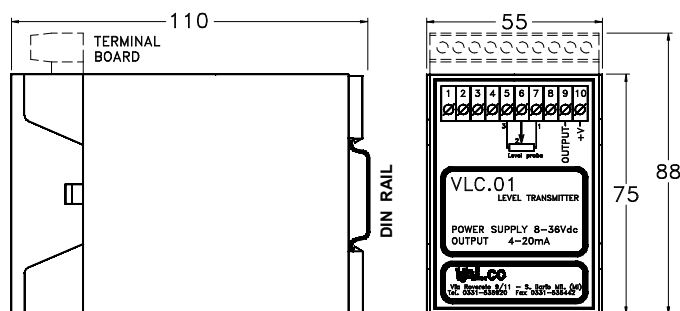


TECHNICAL DATA

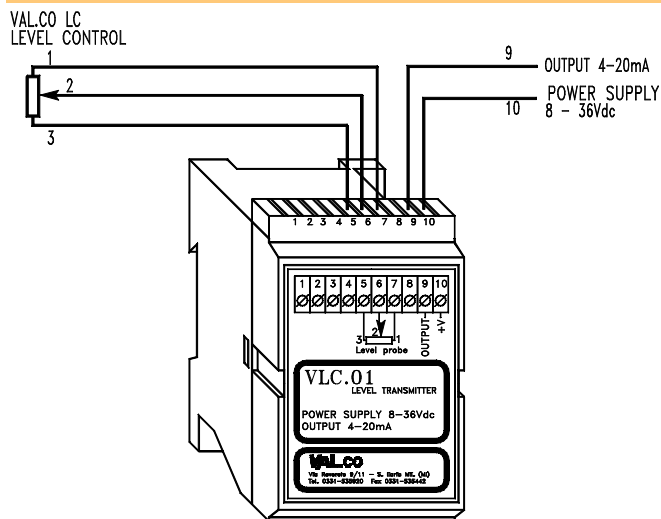
Tab.1

Description	Characteristics	Code
Type	Potentiometric signal converter	VLC.01
Power supply	8 ÷ 36Vcc Without load	24Vdc
Signal input	3 wires potentiometric 800Ω ÷ 20KΩ	-
Analog output	4 ÷ 20mA Max. load 500Ω	4-20mA
Power consumption	1 W	
Power supply to sensors	2,5 Vdc stabilized	-
Temperature range	-20° ÷ +50° C	
Housing	Polycarbonate DIN rail mounting	
Degree of protection	IP40	IP40
Weight	160 g	-

DIMENSIONS mm.



WIRING



Typical connection of a level probe

NOMENCLATURE

VLC.01	24DC	4-20mA	IP40	
•				Tab.1 Potentiometric signal converter
	•			Tab.1 Power supply
		•		Tab.1 Output signal
			•	Tab.1 Degree of protection