

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.

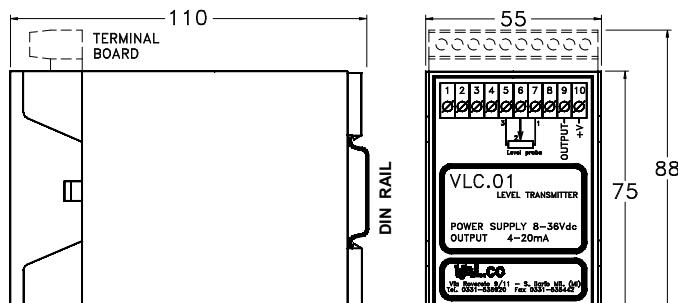


TECHNICAL DATA

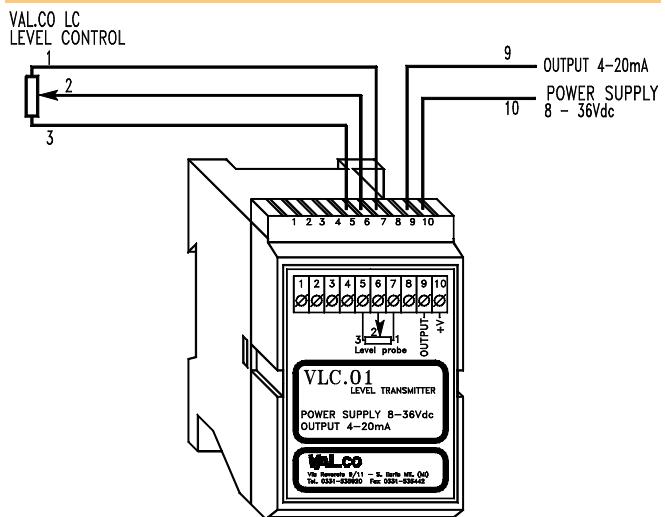
Tab.1

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
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Tab.1 Potentiometric signal converter

Tab.1 Power supply

Tab.1 Output signal

Tab.1 Degree of protection

