



DAGON Company
64-100 Leszno
ul. Jackowskiego 24
Poland



SEPGAL U/U

Galvanic separator of
analog voltage signal
0/1-10V to 0/1-10V
in a housing for a DIN rail



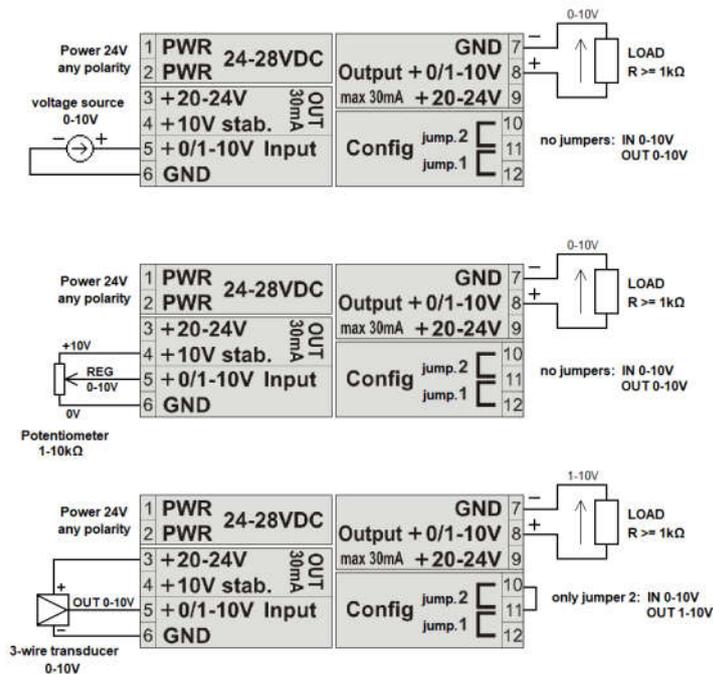
SEPGAL U / U separator is used to provide galvanic isolation between two circuits of standard analog signals, voltage type 0-10V or 1-10V.

The separator can work with an input signal of 0-10V or 1-10V converting it to an output signal of 0-10V or 1-10V. Thus, there are 4 operating modes available, which are selected using two jumpers.

The analog input can also be connected to a potentiometer or a 3-wire transmitter of any physical size (eg temperature, pressure) operating in the 0/1-10V standard.

Connection diagram of SEPGAL U/U separator.

SEPGAL U / U



Configuration jumpers:
jump.1 OFF - IN 0-10V
jump.1 ON - IN 1-10V
jump.2 OFF - OUT 0-10V
jump.2 ON - OUT 1-10V

Technical data SEPGAL U/U.

Power supply (PWR - terminals 1 and 2):

- power supply voltage: 24V...28V DC any polarization
- power consumption: ≤ 40mA outputs without load

Voltage input (terminals 5 and 6):

- input resistance: ≥ 220kΩ

Additional power inputs in the input circuit (terminals 3 and 4):

- terminal 3 - supply voltage not stabilized: 20V...24V DC
- terminal 4 - stabilized supply voltage: 10V DC - e.g. to power the potentiometer
- current limit (for terminals 3+4): 30mA - protection against short circuit to ground

Voltage output (terminals 8 and 7):

- load resistance: ≥ 1kΩ
- short-circuit protection: YES

The additional power output in the output circuit (terminal 9):

- terminal 9 - supply voltage not stabilized: 20V...24V DC
- current limit (for terminals 8 + 9): 30mA - protection against short circuit to ground

Other:

- accuracy of analog signal processing: ± 0.2%
- response / conversion time (10-90%): ≤ 0.3sek
- separation (PWR/In/Out): 1kV, 50Hz, 1 min
- operating temperature range: 0-65 °C
- relative humidity range: 0-90% (without condensation)
- level of security: IP20
- work position: any
- weight: ≤ 150g
- housing dimensions: 17.5 x 120 x 116 mm
- assembly: in a housing for a DIN rail (TS35)

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Measuring Tools](#) category:

Click to view products by [DAGON](#) manufacturer:

Other Similar products are found below :

[G336](#) [M225203-01](#) [G426](#) [G1333](#) [G1327](#) [G1154](#) [G1150](#) [G1152](#) [G1157](#) [G1153](#) [G1155](#) [G1009](#) [1051-03](#) [121010D](#) [121050D](#) [25541](#) [8255](#)
[NF-221200130](#) [20323](#) [20329](#) [20363](#) [20365](#) [20515](#) [20516](#) [G800](#) [G1229](#) [5205000](#) [5206000](#) [5223000](#) [6921000](#) [YT-30061](#) [W002900](#)
[W061008](#) [W061009](#) [W061010](#) [W062004](#) [W066005](#) [W066006](#) [15225](#) [15228](#) [16135](#) [16456](#) [17215](#) [17218](#) [17221](#) [17670](#) [17672](#) [17677](#)
[17953](#) [18115](#)