

Equipments complying the electromagnetic compatibility prescriptions based on the 89/366/EEC directive.



Reference norms:

EN 50081-2 Industry environment emission norm

EN 50082-2 Industry environment immunity norm

Module signal converter with galvanic separation 3500 Volt between input and output signal made by a linear optoisolator.

- INPUT PREARRANGEMENT**

Input can be prearranged, by some DIP-switches on front panel, by a serie of standard precalibrated signals, or by a calibrable signal by user.

- STANDARD INPUT SIGNALS**

Follows the prearrangement of DIP-switches for various standard precalibrated input signals:

Current 0 - 20 mA



Current 4 - 20 mA



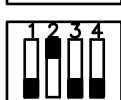
Voltage 0 - 2 Vdc



Voltage 0,4 - 2 Vdc



Voltage 0 - 5 Vdc



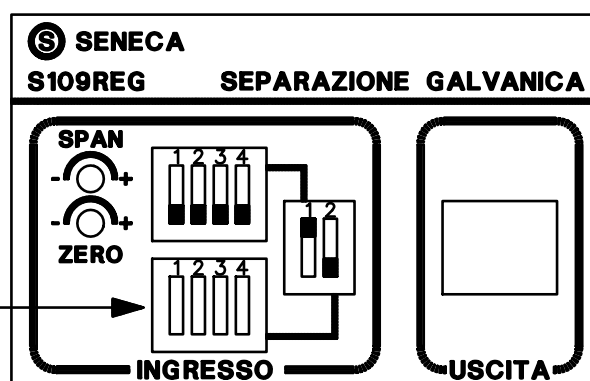
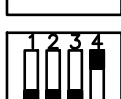
Voltage 1 - 5 Vdc



Voltage 0 - 10 Vdc



Voltage 2 - 10 Vdc



• SIGNAL THAT CAN BE CALIBRATE BY USER

Signal that can be calibrate by user must be in that range:

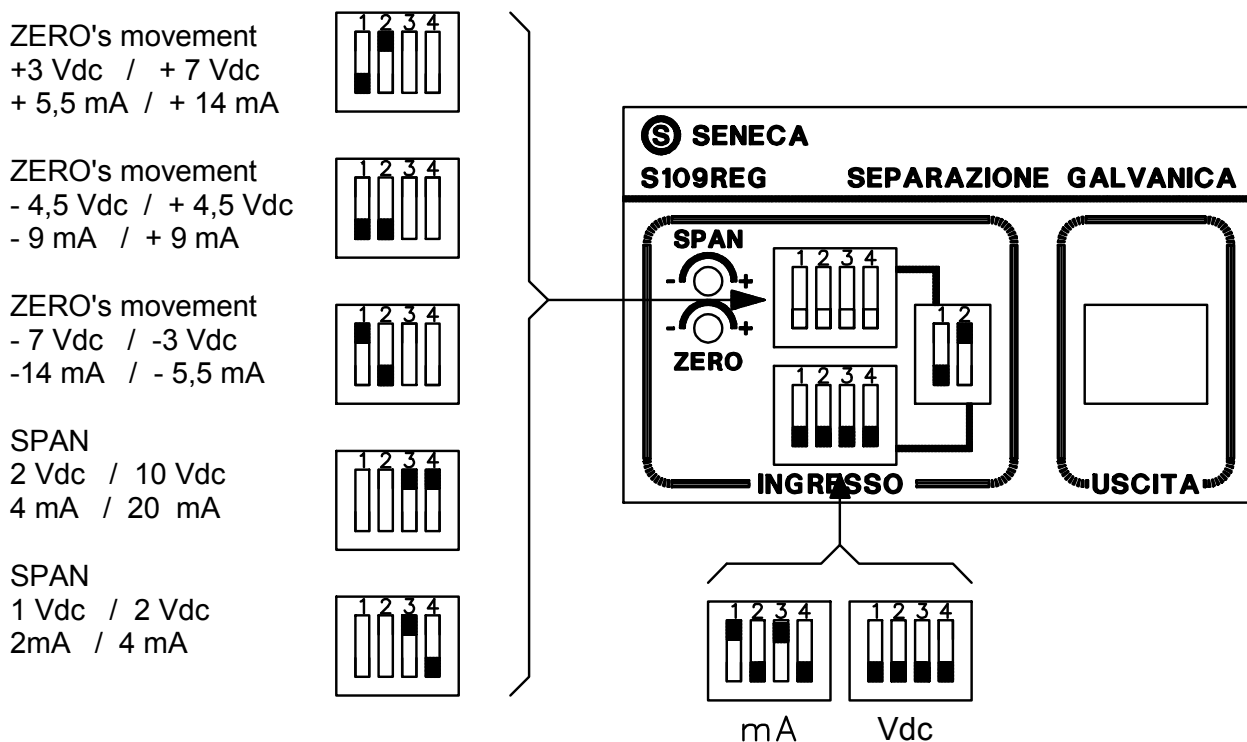
- Current : ZERO's deviation between ± 14 mA,
SPAN between 2 and 20 mA.
- Voltage : ZERO's deviation between ± 7 Vdc
SPAN between 1 and 10 Vdc.

Signal's calibration by user happen connecting a tester capacity load

20 Vdc at test-point (clamp 1 (-), clamp 4 (+))

Giving at input signal corresponding to desired zero scale and turning ZERO trimmer till on tester appares 0 Vdc voltage.

Give in input signal corresponding desired full-scale and trim span till on the tester will be displayed 10 Vdc.

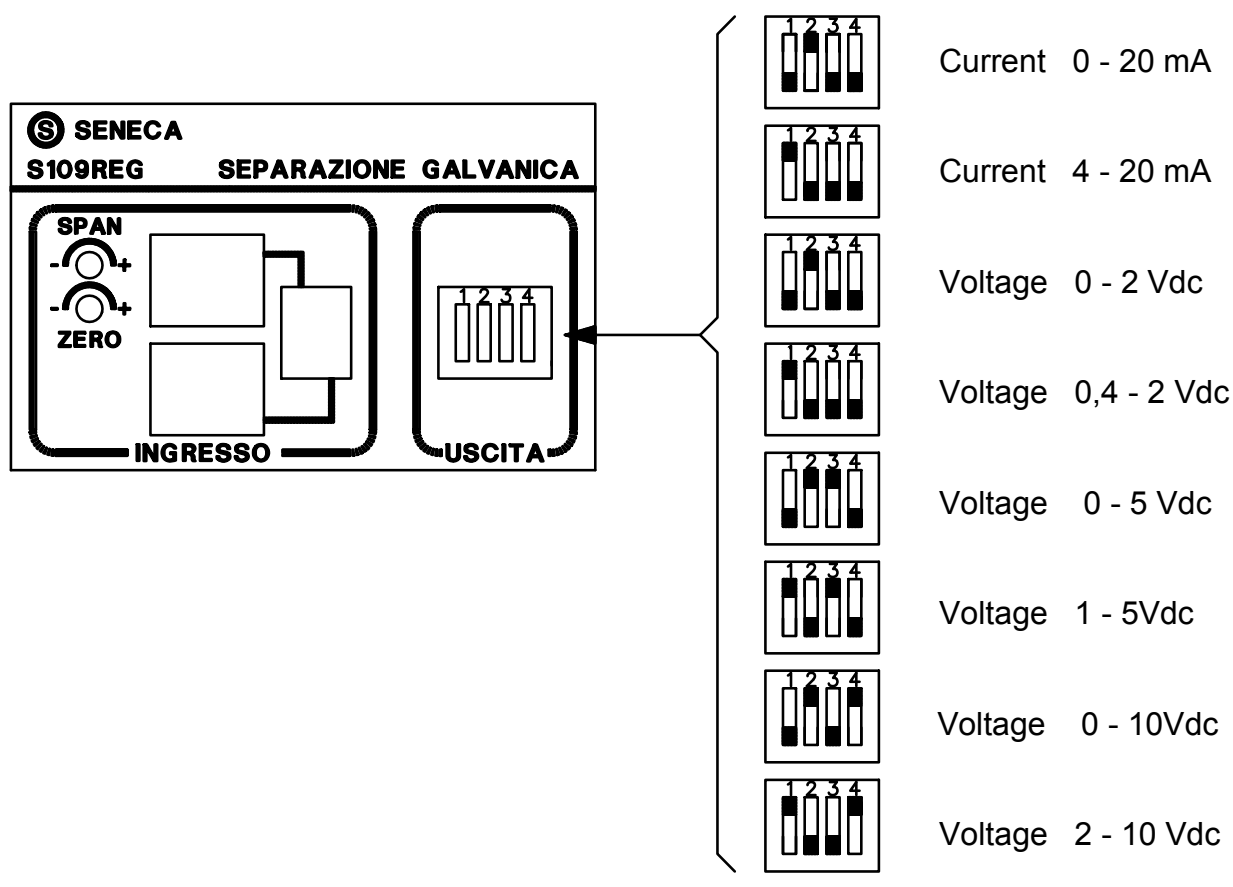


- **OUTPUT'S PREARRANGEMENT**

Output can be prearranged, by DIP-switches on front panel for serial standard prearranged signals.

- **STANDARD OUTPUTS**

DIP-switches prearrangement for various standard prearranged signals:



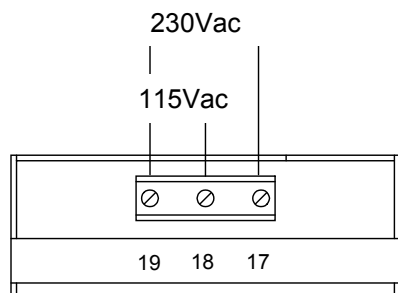
- **FEATURES:**

- Power	:	S109REG-1-ST	115 / 230 Vac +/- 10 % 50 / 60 Hz
- Consumption	:	1,5 VA	
- Input resistance	:	100 ohm in current , 1 Mohm in Voltage	
- Transmission's error	:	< 0,5 %	
- Temperature's coeff.	:	+ / - 0,005% /∞C	
- Isolating voltage	:	3500 Volt	
- Temperature / Humidity	:	0° - +50°C / 90% at 40°C (not condensing)	
- Size / Weight	:	52,5 x 95 x 69 mm / 300 g approx.	

- ELECTRICAL CONNECTIONS**

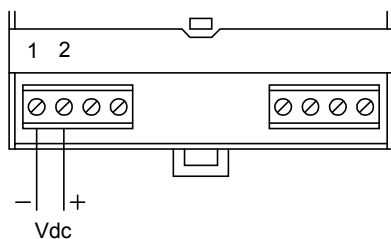
POWER

S109REG-1-ST TYPE

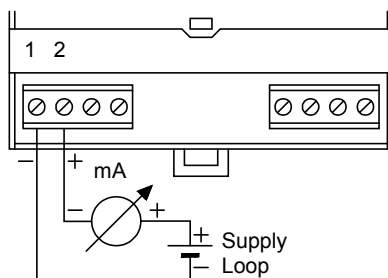


INPUT

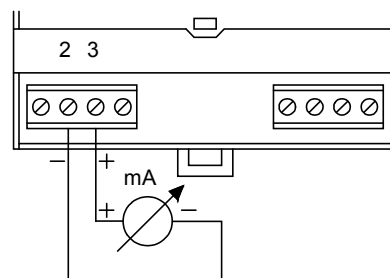
VOLTAGE



CURRENT PASSIVE INPUT

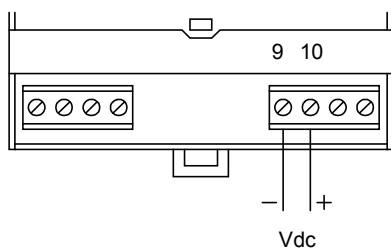


CURRENT ACTIVE INPUT

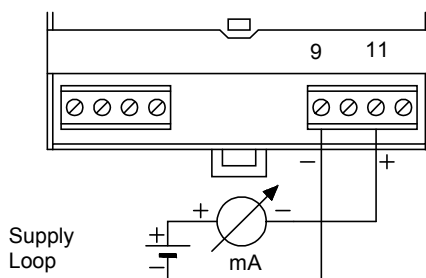


OUTPUT

VOLTAGE



CURRENT PASSIVE INPUT



CURRENT ACTIVE INPUT

