CONVERTER FROM PT100 PLUS GALVANIC INSULATION S109PT

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

CE Reference norms: EN 50081-2 Industry environment emission norm
EN 50082-2 Industry environment immunity norm

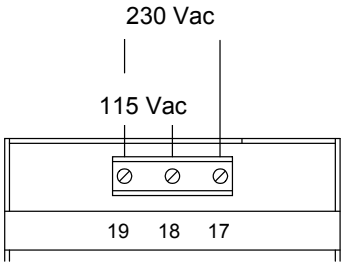
Signal converter plus galvanic separation 3500 Volt between input and output by a linear optoinsulator.
Input from PT100 thermo probe 2 or 3 wires connection.
Input range regulating by two DIP-switches for the following ranges :
0 - 100°C , 0 - 200°C and 0 - 400°C. Different calibrations are possible optionally.
Output in current or in voltage you can regulate by four DIP-switches.
Output in current can be programmed for range **0 - 20mA and 4 - 20mA**, active connection (loop powered by S109PT converter) or passive (loop externally powered).
Output in voltage can be programmed for range **0 - 2V , 0,4 - 2V , 0 - 5V , 1 - 5V , 0 - 10V and 2 - 10V**.

FEATURES:

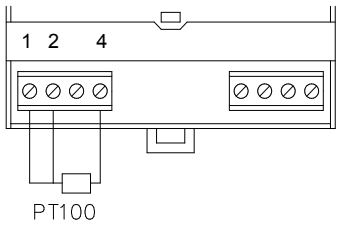
- Power	:	S109PT-1-ST 115 / 230 Vac +/- 10 % 50 / 60 Hz
- Consumption	:	1,5 VA
- Transmission's error	:	< 0,5 %
- Temperature's coeff.	:	+ / - 0,005% /°C
- Insulating voltage	:	3500 Volt
- Temperature / Humidity	:	0° - +50°C / 90% at 40°C (not condensing)
- Size / Weight	:	70 x 95 x 69 mm / 300 g approx.

ELECTRICAL CONNECTIONS

POWER

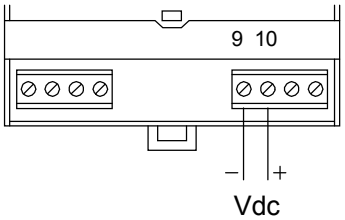


INPUT PT100

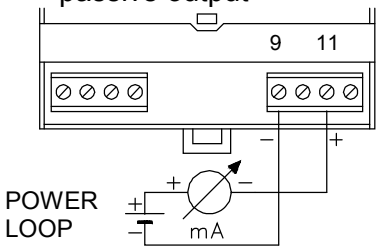


OUTPUT

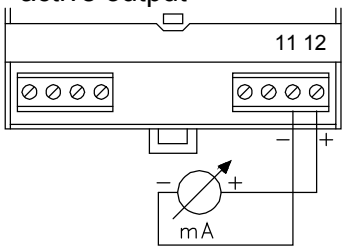
Voltage



Current
passive output

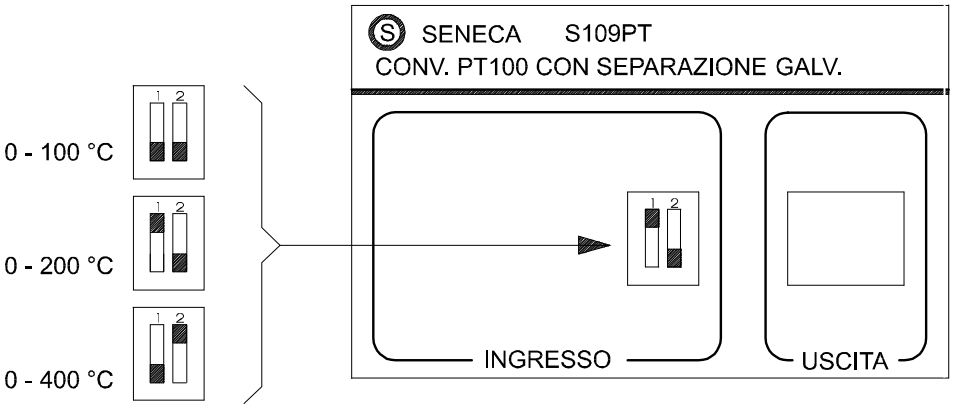


Current
active output



INPUT'S PREARRANGEMENT

Input from PT100 probe 2 or 3 wires can be prearranged, by two DIP-switches on front panel, range 0 - 100°C , 0 - 200°C or 0 - 400°C.
Different ranges if required.
Follows DIP-switches' input prearrangement :



OUTPUT'S PREARRANGEMENT

Output can be prearranged, by DIP-switches on front panel for a series of standard signals.
Output in current 0 - 20mA and 4 - 20mA.
Output in voltage 0 - 2V, 0,4 - 2V , 0 - 5V , 1 - 5V , 0 - 10V and 2 - 10V.
Follows DIP-switches' output prearrangement :