Temperature External Sensor Type 126

- **Wall and pipe mounted temperature sensor**

- **Two basic types: with a linear transmitter, Type 126-I**
  w/o transmitter, type 126-P

- **Polycarbonate Weatherproof enclosure**

- **Designed to IP65 and NEMA 3 specifications**

- **External sensor cables cover: PVC, Silicon, Teflon or Shilded Teflon**

- **3 years warranty**

The 126 temperature external sensor is ideal solutions for outdoor application were a sturdy sensor is required.
The polycarbonate enclosure with the IP65 and NEMA 3 protection enable the user an easy and fast installation with the benefit of a sensor for high demanding and extreme environmental conditions.

Two major versions are available for the 126 sensor:

The 126-P:

This sensor is a very cost competitive version for applications where there is no need of current output from the sensor.
We can offer a verity of resistive temperature devices (RTD's) to meet customers' needs and standard.
The most common types are the PT-100 or the PT-1000 according to IEC-751standard.
Different types of common thermo-resistors and special sensing devices are also available.

The 126-I:

The 126-I is the same 126-P sensor combined with a two wire loop powered 4-20 mA transmitter.
The build in transmitter converts the temperature sensor signal into a standard 4-20 mA current signal proportional and linear to the temperature. The linearization complies with DIN-43760 and IEC-751 standards.
The 126-I can be ordered for all common measuring ranges, or for special pre-calibrated ranges.
With two easily accessible trim-pots (Zero and Span) located on the transmitter PCB it is very easy to perform the annual routine calibration.
The 126-I is design for easy installation on wall or duct applications.

External sensor cable's cover can be from PVC, Silicon, Teflon or Shilded Teflon depends on application

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126-P:

Sensor type: PT100, PT1000, NI1000
Accuracy: According DIN-43760 and IEC-751 standards

126-I:

Power supply: 9-36VDC polarity protected
Power supply effect: <0.005%/V
Output: 4-20mA
Load: max. RLoad(ohms) = (VSupply-10)/0.020
Input: RTD type PT-100 according to DIN-43760 or IEC-751
RTD connection: 3 wire system
Transmitter span: 50°C to +200°C
Transmitter zero: -50°C to +50°C

Accuracy: combined linearity, Hysteresis and repeatability: <0.15% F.S
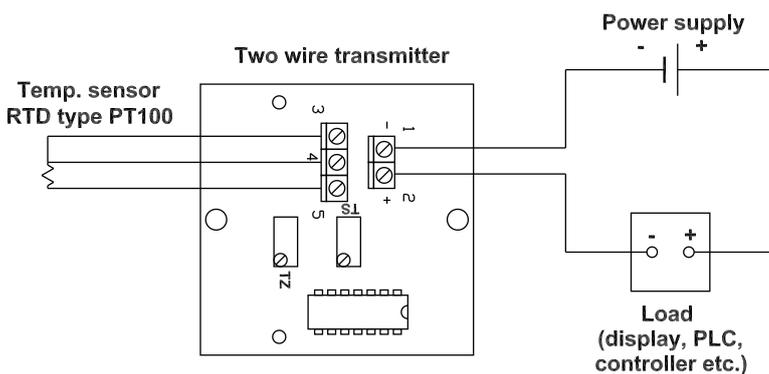**Sensor current excitation:** <1mA
Temperature stability: <+/-0.03% of span/ °K
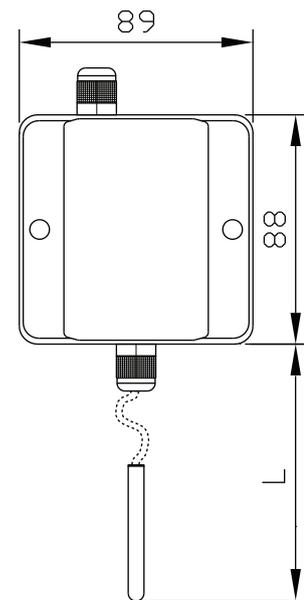**Operating temperature:** -40 to 85 °C
Storage temperature: -45 to 85 °C
Enclosure: Polycarbonate, IP65

CONNECTION DIAGRAM
For 126-I

DIMENSIONS (mm)

How to order:

126/S/N/X/T/C/L

Basic Type	Sensor Type:	Temp Min.	Temp Max.	°C or °F	Cable Cover Type:	Cable length in meters
	I - 4 ... 20mA				P - PVC	
	P - PT 100				S - Silicon	
	P1 - PT 1000				T - Teflon	
	NI - NI 1000				ST - Shilded Teflon	

Example: 126-P/-20/100/T/150/°C means PT100, for -20 to 100°C, Teflon, 1.5 meters length cable