

TECHNICAL DATA**Input signal**

Pt100/Pt1000 probe (DIN43760/IEC751), 2 or 3 wire with compensation for cable resistance.

Temperature range.

-50-300°C
-50-100°C

Output:

Output signal	R_{MAX}
4-20mA DC	500 Ohm
0-20mA DC	500 Ohm
0-10V DC	via intern 500 Ohm shunt.

Selected via terminals.

Offset (zero) and gain (span) are adjustable $\pm 5\%$. See. fig. 1.

Accuracy:	<1%, without adjustment.
Linearity:	<0,05% of full scale.
Temp. coefficient	0,02%/°C.
Ripple (RMS):	<0,1%.

Supply voltage:

Supply voltage	Consumption
24V DC (20,4-27,6)V DC	2W
24V AC (20,4-27,6)V AC	3VA
115V AC (98-132)V AC	3VA
230V AC (196-264)V AC	3VA

All galvanically isolated 3,75kV AC 1 min. to output.

General data:

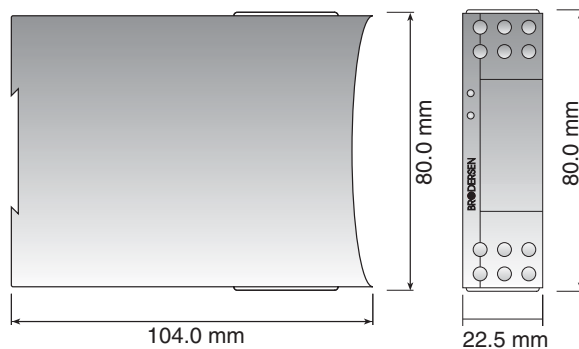
Ambient temperature:-20 to 55°C.
Storage temperature:-40 to 80°C.
Mounting: 35mm DIN-rail (EN50022).
Terminals: Screw terminals with dual compartment.
Terminal screws are combined crosshead/slotted. Up to 2 x 2,5mm² wire (2 x 1,5mm² inc. ferrule).
Recommended torque, 0,5Nm., max. 0,7 Nm. (VDE0609-1).
Indicators: Green LED = operating voltage.
Yellow LED = input less than 5% of FS.
Protection: IP20.
Electric isolation: 3,75kVAC (1 min.) between supply and input/output (EN60950).
Note:No galvanic isolation between sensor input and analogue output.
Housing: Noryl (GE), UL94V1.
Terminal block: Noryl (GE), UL94V0.
Weight: 170 g.

SPECIFICATIONS:

PXT-10/11 is designed and developed with regard to relevant specifications:

- EN60204-1 / VDE0113 electrical material on machines.
- VDE0110 / IEC664 Isolation specifications/creepage and clearance distances.
- Electrical safety in accordance with EN61010.
- IEC414 Safety regulations for control and monitoring equipment.
- EMC: Emission EN50081-1
Immunity EN50082-2
- Humidity in accordance with IEC68-2-3; RH=95%, 40°C.
- Vibration in accordance with IEC68-2-6.
- Shock when mounted, in accordance with IEC68-2-27.

PXT-10/11 is CE-marked in accordance with EMC and the Low Voltage Directive.

MECHANICAL DIMENSIONS



SCATTERGOOD & JOHNSON LTD

ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS

Est.1899

At Scattergood & Johnson Ltd, we pride ourselves on being a technical distributor to specialist industries.

Working with a range of quality product suppliers across a number of specialist markets, we are not your average 'box shifter' - we are your technical and supply chain partner.

We fully support every product we sell - for free! Our internal team and external sales engineers can answer any product or application question, no matter the complexity.

Backing up this technical ability is a range of 50,000+ products available from stock for nationwide next day delivery (same day if required!), or you can collect what you need from any of our trade counters around the UK.

Select your specialist interest below to learn more about how we can help.



Online, In Branch and On the Road - Scattergood & Johnson Ltd, there when you need us.

www.scatts.co.uk