



Identification	Type	WPT 7-0829
	Part-No.	750829

Input	
Measurement input	PT100 2/3/4-conductor – adjustable via switch
Galvanic isolation I/O	3-way isolation
Temperature range	-50–150 °C / 0–100 °C / 0–200 °C – adjustable via switch
Transmission frequency	10 Hz at 3 dB
Input resistance	1 MΩ with 2-conductor, 240 kΩ with 3 and 4-conductor
Sensor current	0.5 mA

Load Side			
	0/10 V	0–20 mA	4–20 mA
Max. load impedance at I-output		400 Ω	400 Ω
Max. load impedance at U-output	>1 kΩ		
Load impedance	55 Ω		
Output current	max. 21 mA		
Output signal	Adjustable via switch		
Ripple	<5 mV _{eff}		

General	
Nominal voltage	DC 24 V

24.07.2012 – Subject to technical modification

Part-No. 750829

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA
 Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223
 www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

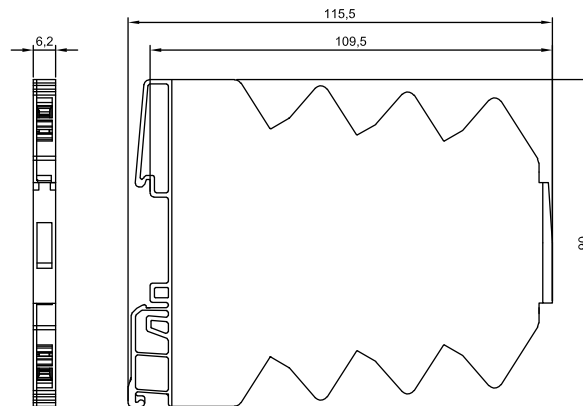
Unit 3, Sandy Hill Park
 Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
 Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2
 www.lutze.com • sales.gb@lutze.co.uk



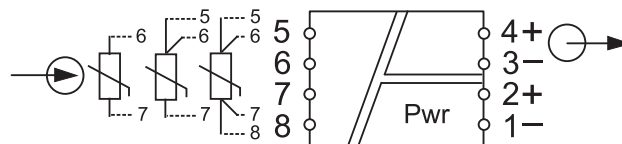
Technical data sheet • Interface Technology

Operation voltage range	DC: 16.8–30 V
Rated current	13.0 mA
Status Indication	LED yellow, blinks for wire break and output goes to a saturated state
Input/output protection	DC 30 V overvoltage, short circuit-proof output
Accuracy	0.3 % FSR (23 °C)
Linearity error	0.10 %, FSR (23°C)
Rise time (10 - 90%)	30 ms
Build-up time (Accuracy 1%)	60 ms
Error coefficient of measuring line	2.7 K/Ω with 2-conductor, 0.1 K + 0.1%/Ω with 3 and 4-conductor
Temperature coefficient	150 ppm / K FSR
Insulation voltage input/output	2.5 kV _{eff}
Housing material	PA 6.6
Field installation	rail TS 35 (EN 50022)
Protection class	IP 20
Installation position	Optional
Termination	Screw terminal: 0.14–1.5 mm ²
Operation temperature range	-25 °C – 60 °C
Storage temperature range	-40 °C – 85 °C
Dimensions (w × h × d)	6.2×90.0×115.5 mm
Weight (kg/piece)	0.050 kg/piece
Approvals	cULus, Class I, Div. 2, Groups A, B, C, D T4A
PU	1

Dimensions



PIN assignment



24.07.2012 – Subject to technical modification

Part-No. 750829

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA

Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223

www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park

Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU

Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2

www.lutze.com • sales.gb@lutze.co.uk



SYSTEMATIC TECHNOLOGY

Technical data sheet • Interface Technology

Range adjustment

• → Switch On	S2			
Input configuration	1	2	3	4
2 wire / 2-Leiter	•		•	•
3 wire / 3-Leiter		•		
4 wire / 4-Leiter	•			

• → Switch On		S1					
Input	Output	1	2	3	4	5	6
-50 - 150 °C	0-10 V						
-50 - 150 °C	0-20 mA		•				
-50 - 150 °C	4-20 mA			•			
0 - 100 °C	0-10 V		•	•			
0 - 100 °C	0-20 mA				•		
0 - 100 °C	4-20 mA		•	•			
0 - 200 °C	0-10 V			•	•		
0 - 200 °C	0-20 mA		•	•	•		
0 - 200 °C	4-20 mA					•	

Accessories

Accessories	Colour	Article number	Type	PU
Tag holder 4×11 mm	white	681313	BZT-0411	100
Isolation plate		760809	TP 7-0809	5
Labels for laser printer 4.23 x 11 mm (Sheet with 1056 labels)		681034	LEB 0411	1

Accessories

Accessories	Colour	2-pole	3-pole	4-pole	8-pole	16-pole	PU
6 A jumper comb	red	762802	762805	762812	762822	762832	10
6 A jumper comb	white	762803	762806	762813	762823	762833	10
6 A jumper comb	blue	762804	762807	762814	762824	762834	10

24.07.2012 – Subject to technical modification

Part-No. 750829

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA

Tel. +1 (704) 504-0222 • Fax +1 (704) 504-0223

www.lutze.com • info@lutze.com

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park

Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU

Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2

www.lutze.com • sales.gb@lutze.co.uk



SYSTEMATIC TECHNOLOGY