



Identification	Type	WPT 7-1830
	Part-No.	751830

Input	
Measurement input	PT1000, 2-wire
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
Input resistance	240 kΩ
Sensor current	0.1 mA
Zero /Span	Production comparison

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

20.04.2013 – Subject to technical modification

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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

Nominal voltage	DC 24 V
Operation voltage range	DC: 16.8–30 V
Rated current	8.0 mA
Status Indication	LED yellow, blinks for wire break and output goes to a saturated state
Input/output protection	Overvoltage AC/DC 30 V, Output short circuit-proof
Accuracy	0.3 % FSR
Linearity error	0.1 % FSR
Rise time (10 - 90%)	30 ms
Build-up time (Accuracy 1%)	60 ms
Error coefficient of measuring line	0.1 K + 0.1 %/Ω
Temperature coefficient	150 ppm / K FSR
Insulation voltage input/output	1.5 kV _{eff}
Housing material	PPE
Field installation	rail TS 35 (EN 50022)
Protection class	IP 20
Installation position	Optional
Termination	Spring 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)	6.2×90.0×92.5 mm
Weight (kg/piece)	0.040 kg/piece
Approvals	cULus
Standards	EN 60721-3-3, EN 55011, EN 61000-4-2/6, EN 50178, contamination level 2, Over voltage category III
PU	1

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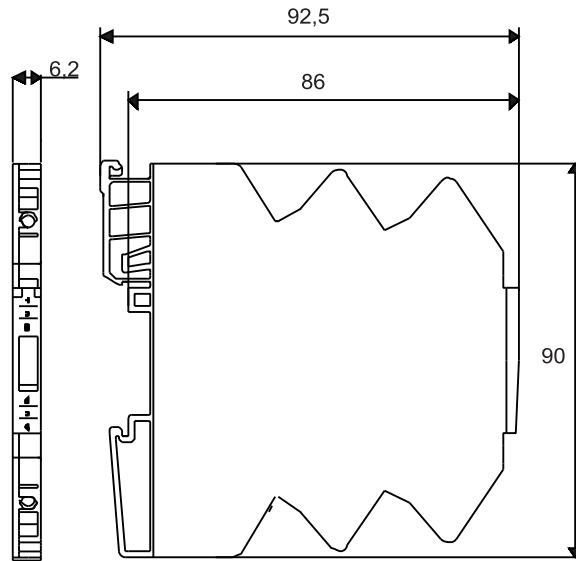
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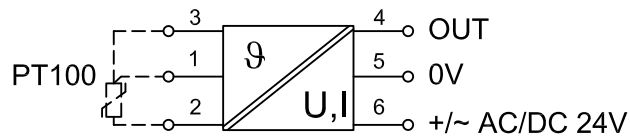


SYSTEMATIC TECHNOLOGY

Dimensions



PIN assignment



Range adjustment

Range	Output	S1					
		1	2	3	4	5	6
-50 – 150°C	0-10V						
-50 – 150°C	0-20mA	●					
-50 – 150°C	4-20mA		●				
0 – 100°C	0-10V	●	●				
0 – 100°C	0-20mA			●			
0 – 100°C	4-20mA	●		●			
0 – 200°C	0-10V			●	●		
0 – 200°C	0-20mA	●	●	●			
0 – 200°C	4-20mA						●

Accessories

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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

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