



Identification	Type	WTH 7-1875
	Part-No.	751875

Input

Measurement input	Type K (NiCrNi) with DIN / IEC 584-1
Galvanic isolation I/O	2-way isolation
Temperature range	Settings according to customer order: -50°C...+1200°C. Please specify temperature range when ordering. Please observe: Smallest temperature span 200°C.
Transmission frequency	10 Hz
Input resistance	330 kΩ
Zero /Span	Production comparison

Load Side

	750875/751875	750874/751874
Output signal	0 – 10 V	4–20 mA
Max. load impedance at I-output		400 Ω
Max. load impedance at U-output	>1 kΩ	
Load impedance	55 Ω	–
Output current	max. 21 mA	
Output signal	0 – 10 V	
Max. load impedance at U-output	>1 kΩ	
Load impedance	55 Ω	
Output current	max. 21 mA	

20.04.2013 – Subject to technical modification

Part-No. 751875

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

Ripple <5 mV_{eff}

General

Nominal voltage	AC/DC 24 V, 0–10 V
Nominal voltage	AC/DC 24 V
Operation voltage range	DC: 16.8–30 V; AC: 19.2–28.8 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	0.5 % + 2 K FSR
Linearity error	0.1 % FSR, thermoelectrical potential linear
Rise time (10 - 90%)	30 ms
Build-up time (Accuracy 1%)	60 ms
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 0.14–2.5 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

20.04.2013 – Subject to technical modification

Part-No. 751875

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

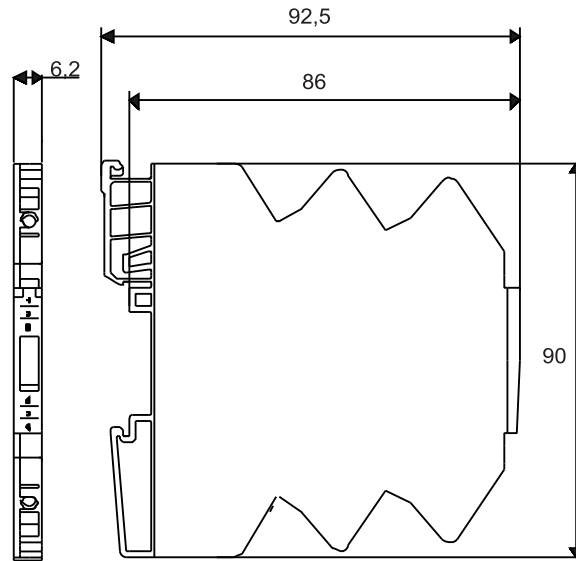
United Kingdom: LÜTZE Ltd.

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

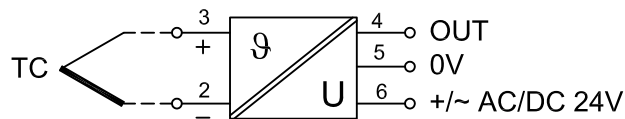


SYSTEMATIC TECHNOLOGY

Dimensions



PIN assignment



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 A4 unpunched		681031	LEB - A4	1
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
Jumper comb 6A	red	762802	762805	762812	762822	762832	10
Jumper comb 6A	white	762803	762806	762813	762823	762833	10
Jumper comb 6A	blue	762804	762807	762814	762824	762834	10

20.04.2013 – Subject to technical modification

Part-No. 751875

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