

Technical Data

*For detailed data and product description refer to the data sheets at **www.pepperl-fuchs.com***

General Data	
Data storage	10^6 storage cycles or 10 years, EEPROM
Programming	keypad-driven menu
Type	5-digit 7-segment LED display, red
Display value	digit height 14.2 mm
Display interval	-19999 ... 99999 with suppression of leading zeros
Output type	2 Relay changeover outputs
Sensor supply	✔
Ambient temperature	-20 ... 65 °C (-4 ... 149 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)
Relative humidity	≤ 75 % (noncondensing)
Dimensions	96 mm x 48 mm x 90.7 mm
Protection degree	IP65 (front)

		KT-LED-96-2R-24VDC	KT-LED-96-2R-230VAC
Operating voltage	10 ... 30 V_{DC} galvanically isolated	●	
	90 ... 260 V_{AC}		●
Power consumption	max. 2 W	●	
	max. 6 VA		●

Properties

- **LED display**
- **Temperature control unit**
- **10 - 30 V_{DC} and 90 - 260 V_{AC} supply voltage version**
- **5 digits**

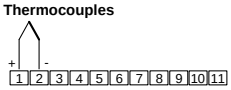
Electrical Connection



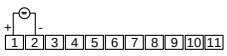
KT-LED-96-2R-230VAC
KT-LED-96-2R-24VDC

Electrical connection X2

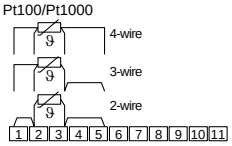
Thermocouples



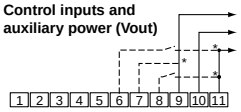
Voltage measurement



Resistance thermometer
Pt100/Pt1000



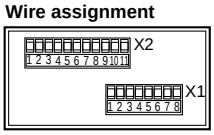
Control inputs and auxiliary power (Vout)



* Alternatively connect directly to DC power supply (galvanic isolation of control and measurement inputs

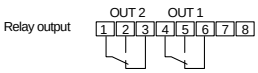
KT-LED-96-2R-24VDC

Wire assignment



X1: Pin Function

Power supply and alarm outputs



7 + 10 ... 30 V DC
8 GND4 (0 V DC)

X2: Pin Function

Thermocouples
1 Positive sensing arm
2 Negative sensing arm

Resistance thermometer
1 Pt100 or 0 ... 400 Ω
2 Pt1000 or 0 ... 4000 Ω

Voltage measurement
1 Voltage input (V)
2 GND 1 (analog)

Control inputs and auxiliary power (Vout)
6 Keypad lock-out "Key"
7 GND2 Key/MPI
8 MP-input "Reset-alarm-latch/ Display-Hold"
9 GND3 (for Vout)
10 Vout + 10 V/30 mA
11 n.c.

Date of issue: 07/31/2012

Consider the General Notes on the Information in the Pepperl+Fuchs Product Catalogs
Copyright Pepperl+Fuchs
Pepperl+Fuchs Group www.pepperl-fuchs.com
USA: +1 330 486 0001 fa-info@us.pepperl-fuchs.com
Germany: +49 621 776-4411 fa-info@de.pepperl-fuchs.com
Singapore: +65 6779 9091 fa-info@sg.pepperl-fuchs.com
PEPPERL+FUCHS SENSING YOUR NEEDS