

LKM274 FOR PT100/PT1000

Digital configurable measuring transducer to mount on 35-mm rail with voltage output of 0 to 10 V and a supply voltage of 24 V

The LKM274 is a digital configurable measuring transducer for Pt100/Pt1000 with a 0 to 10 V voltage output. The transducer is designed for installation on a 35-mm top hat rail. Use 4 DIP switches to set 13 different measuring ranges. Minor corrections can be carried out with the zero point controller. The sensor is connected with a 3-/2-lead circuit.

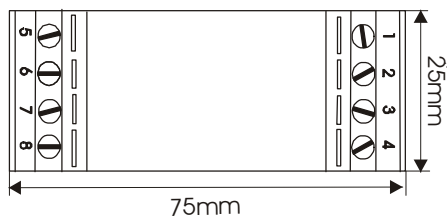
The following measuring ranges can be configured:

-100..100 °	-20..150 °C	0..300 °C
-50..50 °C	0..50 °C	0..400 °C
-40..60 °C	0..100 °C	0..500 °C
-30..70 °C	0..200 °C	0..600 °C
	0..250 °C	



TECHNICAL DATA

Input:	Pt100/Pt1000	Self - detecting 2-/3 - wire circuit
Overall measuring range:	Pt100: -100 to 600 °C Pt1000: -100 to 300 °C	Adjustable via DIP-switch
Measurement current:	0.25 mA	
Current consumption:	max. 10 mA	
Supply voltage:	15 to 35 VDC, 15..26 VAC	polarity - safe
Linearity error:	<0.1%FS	
Resolution:	14 bit	
Measuring accuracy:	0.3 %	of measured range
Measuring rate:	2/s	
Output:	0 to 10 V	other output voltages possible
Probe break:	>10 V	
Short circuit:	=0 V	
Clamping range:	Screw clamps	0.2...2.5mm ²
Temperature coefficient:	<0.015 K/°C	set temperature range 0 to 100 °C
Operating temperature range:	-25 to 70 °C	
Dimension:	75 x 25 x 53 mm	H x W x D
Weight:	Appr. 60 g	
EMC:	EN 61326-1:2006 EN 61326-2-3:2006	Emission and Resistance to Interference



Load resistance

