

## Duct Temperature Transmitters

TEK LU and LL temperature transmitters are designed for automatic ventilating systems to detect duct temperature. Housing is made of heat resistant plastic. The screw cover and the terminal blocks tilted to 45° make an easy installation.

Temperature is detected by a high quality Pt100 element and transmitted to the control system using a 0..10V (TEK LU) or 4..20mA (TEK LL) signal.

Sensors are mounted to the duct by means of an adjustable duct connection flange for optimal temperature detection.

Installation depth can be adjusted between ca 100...220mm.

TEK Lxxx-N models have built-in display.



Model Types	Model	Description
	<b>TEKLU</b>	PT100 Duct Temperature Transmitter, 0..10Vdc output
	<b>TEKLL</b>	PT100 Duct Temperature Transmitter, 4..20mA output
	<b>TEKLU-N</b>	PT100 Duct Temperature Transmitter with Display, 0..10Vdc output
	<b>TEKLL-N</b>	PT100 Duct Temperature Transmitter with Display, 4..20mA output
<b>Technical Data</b>	Supply Voltage	15..35Vdc (TEK LL & LL-N) 24Vac (TEK LU & LU-N)
	Transmitter	2-wire (TEK LL & LL-N) 3-wire (TEK LU & LU-N)
	Sensor Element	Pt100 EN 60751/B
	Accuracy	±0.5°C (at 25°C)
	Duct Connection	Flange
	Stem (pocket)	Ø8mm x 220mm
	Housing	Plastic (<120°C)
	Protection class	IP 54, cable entry or stem down
	Cable entry	M16
	Ranges	0°C...+50°C, 0°C...+100°C, -50°C...+50°C, -50°C...+150°C
	Agency Approvals	Emissions: EN50081-1: 1992 Immunity: EN50082-2: 1995 Safety Directive: 89/336/EEC

<b>Wiring Terminals (TEK LU)</b>	1	Supply 24Vac
	2	Common (0V)
	3	Output 0-10Vdc, < 2mA

**Temperature/Output**

0/50°C0	0/100°	-50/50°C	-50/150°C	mA (LL)	V (LU)
0	0	-50	-50	4	0
25	50	0	50	12	5
50	100	50	150	20	10
<b>on</b>	<b>on*</b>	<b>off</b>	<b>off</b>	<b>Switch S1</b>	
<b>off</b>	<b>on*</b>	<b>on</b>	<b>off</b>	<b>Switch S2</b>	

\* 0/100°C = factory setting

**Dimensions**

