

## Frost Guard Transmitters

TEKV LU and LL temperature transmitters are made for automatic HVAC systems to detect heating coil return water temperatures. Housing is made of heat-resistant plastic. The screw cover and the terminal blocks are 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 (TEKV LU) or 4..20mA (TEKV LL) signal.

Sensor is installed to the pipe by means of an adjustable R1/4" joint. Mounting depth is adjustable up to 200mm.



Model Types	Model	Description
	<b>TEKVLU0100</b>	PT100 Frost Guard Transmitter, 0..10Vdc output, 0..+100°C range
	<b>TEKVLL0100</b>	PT100 Frost Guard Transmitter, 4..20mA output, 0..+100°C range
<b>Technical Data</b>	Sensor Element	Pt100 EN 60751/B
	Accuracy	±0.5°C (at 50°C)
	Connection	R1/4"
	Stem	Ø4mm x 200mm HST steel
	Housing	Plastic (<120°C)
	Protection class	IP 54, cable entry or stem down
	Cable entry	M16
	Range	0°C...+50°C
	Pressure Ratingt	PN16
	Time Constant	Approx. 2.5 sec
	Transmitter	2-wire (TEKV LL) 3-wire (TEKV LU)
	Supply Voltage	15..35Vdc (TEKV LL) 24Vac (TEKV LU)
<b>Wiring Terminals (TEKV LU)</b>	1	Supply 24Vac
	2	Common (0V)
	3	Output 0-10Vdc, < 2mA

**Temperature/mA  
(TEKV LL)**

TEKVLL0100	
°C	mA
0	4
25	8
50	12
75	16
100	20

**Temperature/Vdc  
(TEKV LU)**

TEKVLU0100	
°C	Vdc
0	0
50	5
100	10

**Dimensions**

