

## Frost Guard Transmitters

TEMV 1000 + LU and TEMV 1000 + LL temperature transmitters are designed for automatic HVAC systems to safeguard the radiator against frost and to detect the temperature of return water from the ventilating unit.

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

Transmitter is installed to the pipe by means of an adjustable R 1/4" joint. Mounting depth can be adjusted to max. 210mm



Model Types	Model	Description
	<b>TEMV1000+LU0100</b>	PT100 Frost Guard Transmitter with Connection Head, 0..10Vdc output, 0..+100°C range
	<b>TEMV1000+LL0100</b>	PT100 Frost Guard Transmitter with Connection Head, 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	R1/2"
	Stem	Ø6mm x 100mm HST steel
	Housing	Plastic (<120°C)
	Protection class	IP 54, cable entry or stem down
	Cable entry	M16
	Range	0°C...+50°C
	Pressure Rating	PN16
	Time Constant	Approx. 5 sec
	Transmitter	2-wire (TEMV LL) 3-wire (TEMV LU)
	Supply Voltage	15..35Vdc (TEMV LL) 24Vac (TEMV LU)

**Note !** Use only for closed water heating circuits. Not for domestic hot water circuits.

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

**Temperature/mA  
(TEMV LL)**

TEMV1000+LL0100	
°C	mA
0	4
25	8
50	12
75	16
100	20

**Temperature/Vdc  
(TEMV LU)**

TEMV1000+LU0100	
°C	Vdc
0	0
50	5
100	10

**Dimensions**

