Outdoor Temperature Transmitters

TEU LU and TEU LL transmitters are designed for automatic HVAC systems to detect outdoor temperature.

Temperature is detected by a high quality Pt100 element and transmitted to the control system using a 0..10V (TEU LU) or 4..20mA (TEU LL) signal. The Pt100 element is mounted outside the housing to provide maximum response.

The range of the transmitter (factory setting: -50...+50°C) can be changed at commissioning.

Housing is made of weather-proof uv-protected PC plastics (IP54). Terminal blocks tilted 45x and sufficient space in the housing make an easy installation.

Model Types	Model	Description
	TEU-LU	PT100 Outdoor Temperature Transmitter, 0..10Vdc output
	TEU-LL	PT100 Outdoor Temperature Transmitter, 4..20mA output

Technical Data		
	Supply Voltage	15..35Vdc (TEU LL) 24Vac (TEU LU)
	Transmitter	2-wire (TEU LL) 3-wire (TEU LU)
	Sensor Element	Pt100 EN 60751/B
	Accuracy	±0.5°C (at 0°C)
	Housing	PC plastics, UV protected
	Protection class	IP 54, cable gland downwards
	Cable entry	M16
	Ranges	0°C...+50°C, 0°C...+100°C, -50°C...+50°C, -50°C...+150°C
	Dimensions	W115 x H115 x D45 mm
	Ambient Temp	-50..+60°C
	Agency Approvals	Emissions: EN50081-1: 1992 Immunity: EN50082-2: 1995 Safety Directive: 89/336/EEC

Wiring Terminals (TEU LU)		
	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
on	**on**	**off***	**off**	**Switch S1**	
off	**on**	**on***	**off**	**Switch S2**	

* -50/+50°C = factory setting

Dimensions