

EE16-T Series

Temperature Transmitters for HVAC Applications

EE16 temperature transmitters are the ideal solution for accurate measurement of temperature in the range 0...50 degC in HVAC applications.

EE16 temperature transmitters are available as wall or duct mounted with current or voltage output signals.

Typical Applications

building-automation

storage rooms

climate and ventilation control

Features

excellent price/performance ratio

Technical Data

Measuring values	
Temperature	
Sensor	Pt1000 (class A, DIN EN 60751)
Output appropriate 0...50 degC	0-10 V -1 mA < I_L < 1 mA
Accuracy at 20 degC	4-20 mA (two wire) R_L < 500 Ohm ± 0.5 degC
General	
Supply voltage	15 - 35V DC or 24V AC $\pm 20\%$
for 0- 10V	$10V + R_L \times 20 \text{ mA} < U_v < 35V \text{ DC}$
for 4 - 20 mA Current consumption	for DC supply typ. 8 mA for AC supply typ. 20 mA _{eff}
Electrical connection Housing / protection class Cable gland Sensor protection	screw terminals max. 1.5 mm ² Polycarbonat/IP65
Electromagnetic compatibility	M16 membrane filter or plastic grid
Temperature range	EN 61000-6-1 OVEEN61326- 1+A1+A2 EN 61000-6-3 working temperature: -5...+50 degC storage temperature: -25...+60 degC