

Room Temperature Sensor LX-TE-R-AC

The room temperature sensor LX-TE-R-AC is an accurate room temperature detector, ideal for any indoor space. The product features include a universal back plate to mount to any wall box or may be flush mounted. For the most accurate results, units should be mounted on an inside wall to a wall box, away from any supply air exhausts and other sources of heat or cold.

- Accurate room temperature sensor
- Installer-friendly wiring access
- Attractive wall mount enclosure
- Potentiometer and display are available as optional

Details

By default, the sensor type is Pt1000 type resistance temperature detector for fast and accurate measurement.

As an option, the desired setpoint for the room temperature can be adjusted with the sliding potentiometer. Its resistance changes linearly from 0 to 10.000 Ω (left to right) and can be configured to either function as a real setpoint value or offset a predetermined setpoint by a field programmable range. Both the temperature and the setpoint readings are outputs as resistance values.

LCD display is also available as optional.



Order Codes

LX-TE-R-AC	
LX-TE-R-AC-LCD	(with display)
LX-TE-R-AC-P	(with potentiometer)
LX-TE-R-AC-P-LCD	(with potentiometer and display)

Technical Data

Sensor Type:	Pt1000 type resistance temperature detector
Output Signal (Temperature):	Pt1000 resistance
Sensor accuracy:	+/-0.3 °C @ 0°C
Operating Temperature:	0 to 50°C, 0-95%RH non-condensing
Enclosure:	White ABS, IP30, 84mm (W) x 117mm (H) x 29mm (D)
Wiring Connections:	Screw Terminals
Manufacturing Process:	ISO9001
Optional:	
Setpoint Adjustment:	From panel slidepot, 2 wire resistance output
Setpoint Range:	0k Ω to 10k Ω (standard)
LCD Power Supply:	12-24 VDC/AC +/-10%
Consumption @24VDC	13mA w/o backlight, 23mA w/ backlight
Display Units:	°C
Display Range:	0 - 35 °C
Display Resolution:	0.1 °C
Display Size:	38.1mm (W) x 16.5mm (H)
Backlight:	Enabled or disabled via jumper