

LN Series Sensors

The LN Series analog wall sensor family is specifically designed to interface with fan coil, heat pump, roof top, and other terminal unit building automation controls. The units provide precise indoor local temperature sensing. Local setpoint adjustment with various scales is available as well.



**Figure 1: LN Series Sensor
(LN-SENSOR-0)**

Features and Benefits	
☐ Durable Hardware	Features robust ABS resin casing and allows easy connection
☐ Status Light-Emitting Diode (LED)	Features an externally powered 24 VAC/VDC LED for occupied/unoccupied system status
☐ Tenant Override Button	Provides an embossed membrane momentary open switch which acts as a local override button to current system status and operates in parallel with the temperature sensor

Overview

The modern, attractive, low profile enclosure is suitable for classrooms, hotels, executive areas, office spaces, and other commercial areas.

Mounting hardware with a separate subbase is provided with the units for installation on drywall or a 2 in. x 4 in. electrical junction box. See Figure 2 for dimensions.

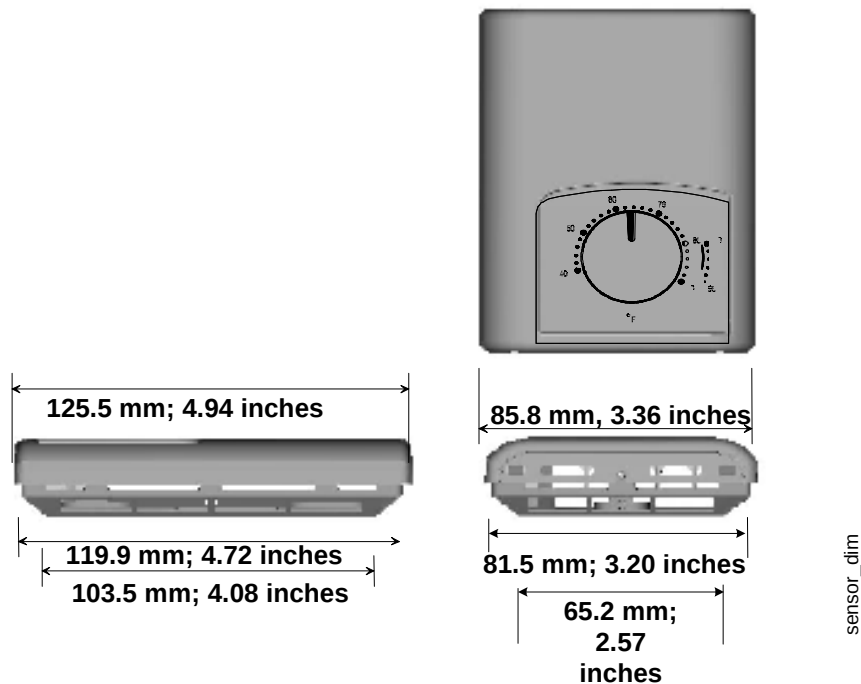


Figure 2: Sensor Dimensions

Table 1: Sensor Models

Part Number	Description
LN-SENSOR-0	Room sensor – no setpoint
LN-SENSLO-0	Room sensor with LED, override push button
LN-SENOCW-0	Room sensor with LED, override push button, and setpoint adjustment (cool/warm)
LN-SENOSC-0	Room sensor with LED, override push button, and setpoint adjustment (°C)
LN-SENOSF-0	Room sensor with LED, override push button, and setpoint adjustment (°F)
LN-SENAV1-0	Room sensor containing four thermistors. Jumper configurable for averaging up to maximum of for sensors connected in parallel. No setpoint.
LN-SENAV2-0	Room sensor containing four thermistors. Jumper configurable for averaging up to a maximum of four sensors connected in parallel. With LED and Override push button. No setpoint.

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Technical Specifications

Product	LN Series Sensors (LN-SENxxx-0)
Environmental	Operating Temperature: -20°C to 50°C (-4°F to 122°F) Storage Temperature: -40°C to 80°C (-40°F to 176°F) Relative Humidity: 0 to 95% noncondensing
Functionality	Local 10 K ohms direct acting setpoint potentiometer, 20% tolerance across the range
General	Sensor: Local 10 K NTC thermistor 5% precision Maximum wire length: 5,000 feet (1,525 m) for 24 GA wire and up LONWORKS Network Configurable Jack: 0.14 inches (3.5 mm) Enclosure: Material: Off-white plastic Dimensions: 4.94 x 3.38 x 1.13 in. (125 x 86 x 29 mm) Weight: 0.214 lb (0.097 kg)

LN Series Averaging Sensors

Technical Specifications

Product	LN Series Averaging Sensors (LN-SENAVx-0)
Environmental	Operating Temperature: 0°C to 50°C (32°F to 122°F) Storage Temperature: -30°C to 50°C (-22°F to 122°F) Relative Humidity: 0 to 95% noncondensing
Functionality	Local 10 K ohms direct acting setpoint potentiometer, 20% tolerance across the range
General	Sensor: Local 10 K NTC thermistor 5% precision Maximum wire length: 5,000 feet (1,525 m) for 24 GA wire and up LONWORKS Network Configurable Jack: 0.14 inches (3.5 mm) Enclosure: Material: Off-white plastic Dimensions: 4.94 x 3.38 x 1.13 in. (125 x 86 x 29 mm) Weight: 0.34 lb (0.154 kg)

The performance specifications are nominal and conform to acceptable industry standards. For application at conditions beyond these specifications, consult the local Johnson Controls office. Johnson Controls, Inc. shall not be liable for damages resulting from misapplication or misuse of its products.



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