# Echelon® Compatible "L-Temp"

*Temperature Sensors*                                                      Rev. 01/05/22

## Features & Options

- Optional Display, Setpoint and Override
- °C or °F Operation (user selectable)
- Standard 4-Wire Termination

BAPI's Echelon® compatible "L-Temp" Unit features measurement and display of local temperature (°C or °F), as well as display of outdoor temperature and outdoor humidity – all in one package.

An onboard Neuron® chip allows connection directly to a LONWORKS® network using star, bus, or loop topology. Additional options include Temperature Setpoint and Occupant Override.

**5 YEAR WARRANTY**

**L-Temp Unit with Setpoint & Override**

## Specifications

**Power:** 8 to 24VDC (recommended) or 12 to 28VAC

**Power Consumption:** 35 mA maximum DC

**Sensing Elements:**
Temp. - Semiconductor Band Gap, Proportional to Absolute Temperature, ±0.3°C

**Wiring:** 4 wire, twisted pair 22 AWG minimum

**Communication:**
Neuron® 3120®, 78 kbps using FTT-10A transceiver
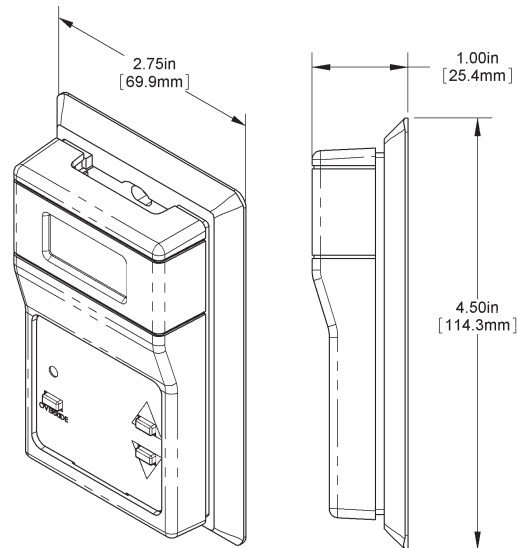
**Mounting:** 2x4" J-box or drywall - screws provided

**Material & Rating:** ABS Plastic, UL94 HB

**Temperature Range:** -40 to 85ºC

**Environmental Specifications:**
Temperature: 32 to 122 ºF (0 to 50 ºC)
Humidity: 0 to 95%, non-condensing

2.75in [69.9mm]
1.00in [25.4mm]
4.50in [114.3mm]

*BAPI recommends that you do not run wiring for the Room Units in the same conduit as line voltage wiring or with wiring used to supply highly inductive loads such as motors, generators and coils. For additional wiring info and requirements, refer to Echelon's Bulletin titled "Junction Box and Wiring Guidelines for Twisted Pair LONWORKS® Networks" which can be found at the following URL: "www.echelon.com/support/documentation/Bulletin/005-0023-01K.pdf"

The "L-Temp" is designed following the LonMark® Interoperability Guidelines, and incorporates standard configuration property types (SCPT). A complete SNVT/SCPT list with definitions is available upon request. Echelon®, LONWORKS®, Neuron®, and 3120® are trademarks of Echelon Corporation registered in the United States and other countries. LonMark® is a trademark of the LonMark Interoperability Association registered in the United States and other countries.

## Ordering Information

**Part Number**    **Description**

**BA/LC-R-BW**..........L-Temp Unit, Bright White Color

**BA/LC-RD-BW**.......L-Temp Unit with Display, Bright White Color

**BA/LC-RSOD-BW**..L-Temp Unit with Setpoint, Override and Display, Bright White Color