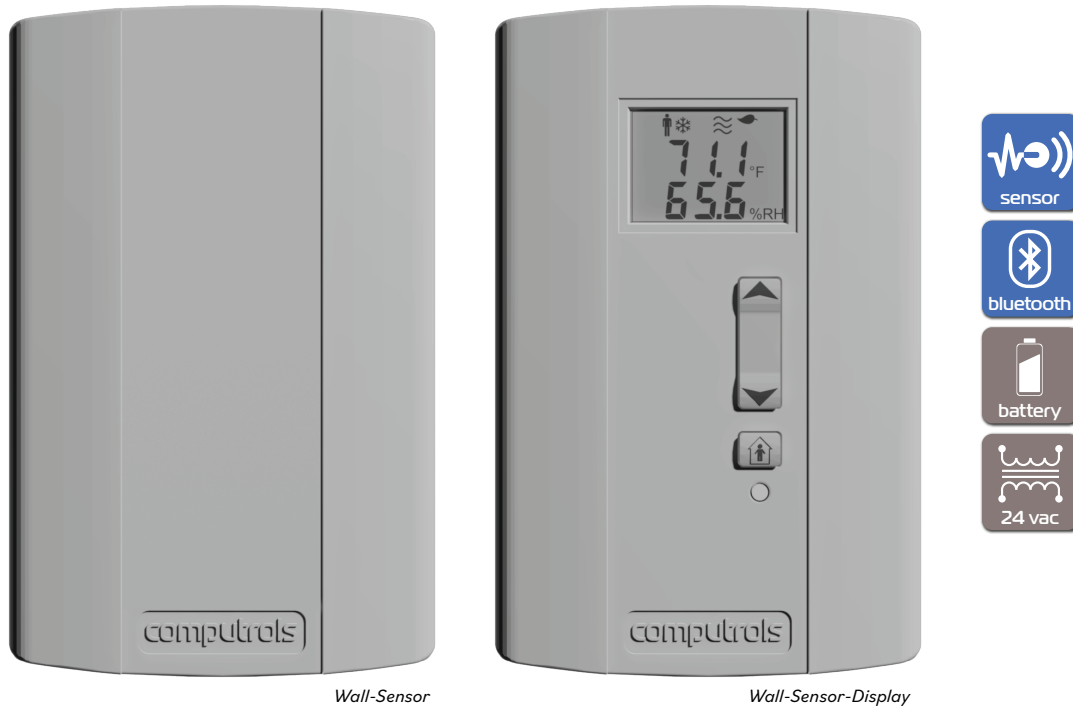


Wall Sensor

Using wireless communications, you can locate new wireless Wall Sensors in even the most difficult places in minutes. Get reliable temperature, humidity, CO₂, and VOC data into your building automation system in no time. For installations with existing wiring, the Wall Sensor also has a wired option.



Product Highlights

Wireless Connectivity

Using Bluetooth Low Energy (BLE), the Wall Sensor sends data directly to your UNI-C or Core Connector and subsequently back to Computrols Building Automation Software (CBAS).

Long Battery Life

The Wall Sensor leverages the latest battery and energy technology to guarantee 5 years of maintenance free operation. Providing Low Battery notifications both at the Sensor and in the software, use these early warnings for convenient replacement and zero down-time.

Large Custom Display (Optional)

Each Wall-Sensor-Display model has a large, readable custom display. This display provides occupants with as much (or as little) information as you wish: Temp, Humidity, Occupancy, Fan Status, etc.

Indoor Air Quality (IAQ)

Safeguard against high CO₂ from overcrowding and poor ventilation, and capture other pollutants known as volatile organic compounds (VOCs).

Mobile App Configuration

A single button press on the Wall Sensor reveals all of its options right on your smartphone.

Wall Sensor Models



Hardware Specifications		Wall-Sensor	Wall-Sensor-IAQ	Wall-Sensor-Display	Wall-Sensor-IAQ-Display
Computer	Processor: 32-bit ARM Cortex-M0 Memory: 256 kB non-volatile, 32 kB RAM	✓	✓	✓	✓
Communications	Wireless: Certified Bluetooth 4.2/BLE Legacy: UNI-B/VAV-B Wall Sensor Wiring	✓	✓	✓	✓
Power	Battery: (2) 3.6V AA, 2.4Ah Wired: 24VAC or 24VDC Legacy: UNI-B/VAV-B Wall Sensor Wiring	✓	✓	✓	✓
Dimensions	5x3.19x1.08"	✓	✓	✓	✓
Temperature Sensor	Type: Silicon Thermistor Range: -40 to 250 °F Accuracy: +/- 0.35 °F	✓	✓	✓	✓
Humidity Sensor	Type: Relative Humidity Range: 0 to 100 %RH Accuracy: +/- 2 %RH	✓	✓	✓	✓
CO2 (IAQ Models Only)	Type: Nondispersive Infrared (NDIR) Range: 0 to 2000 ppm Accuracy: +/- 30 ppm		✓		✓
VOC (IAQ Models Only)	Type: Metal Oxide (MOx) Range: 0 to 1000 ppm Accuracy: +/- 15 VOC index points		✓		✓
User Interface (Display Models Only)	Display: 73 Segment Custom LCD Buttons: (1) Up/Down Rocker, (1) Home Indicators: (1) General Purpose LED			✓	✓

Software Features

Customizable Screens	Display screens are easily configured through CBAS.
Overtime Request	The CBAS-Programmable Home button can be used to request Overtime Air, using a programmable time interval.
Mode Control	CBAS-programmable Mode Page exposes options like: Heat, Cool, Auto, etc.
Fan Control	CBAS-programmable as single to three-speed fan, or Fan/Off/Auto.
IAQ Display	CBAS-programmable Leaf Indicator as well as CO2 and VOC values on the IAQ Page.

Related Products

Computrols App	Available for download for iOS and Android devices, the Computrols App is used for field interaction with Wall Sensors. This includes: Configuration, Status Viewing and Programming.
UNI-C-AP UNI-C-P UNI-C-X	All Wall Sensor models work natively and pair easily with these Computrols Wireless controllers. Typical applications include space sensing for Unitary and VAV control.
Serial-Connector	The Computrols Serial Connector connects to the Building Automation Network via a CAT5/6 network connection and supports up to 3 RS-485 communication channels.
8-LX-BLE 16-LX-BLE 32-LX-BLE 64-LX-BLE	To utilize Wall Sensors in legacy systems, first convert legacy LX controllers into BLE-compatible products. Then use the Computrols App to pair new Wall Sensors with these products.
VAV/UNI-B-AP VAV/UNI-B-P VAV/UNI-B-X	All new Wall Sensor models are designed to utilize wall sensor wiring from these legacy devices, supporting both power and communications.

