

ClimaVision Occupancy & Temperature Node

A high-precision sensor with building schedule override capabilities for dynamic occupancy



- Senses for temperature, humidity, and occupancy
- Battery powered for zero wiring

ClimaVision Occupancy & Temperature Node (7C-HS-K9X-X)

ClimaVision's suite of sensor offerings gives building owners the power of IoT-connected devices for optimal efficiency and comfort in spaces where it matters most. Measure to manage with the ClimaVision Occupancy and Temperature Node (OTN), a high-precision occupancy, temperature and humidity node that communicates with the ClimaVision Central Control Unit to deliver data that influences temperature control.



OVERVIEW

The Occupancy & Temperature Node (OTN) enables fast and smart occupancy detection for out-of-the-box comfort and efficiency in dynamic buildings.

The device is powered by two AA batteries and communicates via a 900 MHz wireless mesh network, meaning it requires no wiring or gateway to connect to the Central Control Unit (CCU).

KEY FEATURES

- Accurate temperature readings (typical +/- 1°F or 0.2°C)
- Accurate humidity readings (typical +/- 2% R.H.)
- Occupancy sensor based on passive infra-red (PIR) with detection range of 3 meters and 110-degree conical angle
- Ability to override existing building schedules based on zone occupancy so zones are always at setpoint when occupied and in setback mode when empty

ADDITIONAL FEATURES

- Battery life expectancy of approximately 2 years
- Sleek design, low impact aesthetics
- Factory pre-calibrated
- Easily mounted

APPLICATIONS/USE CASES

- Use to monitor temperature and humidity in spaces that are controlled by a 3rd-party controller (Example: a computer room)
- When single-zone equipment is being controlled by a CCU, use the OTN for temperature sensing or averaging, for occupancy detection, or for setpoint adjust with a display.

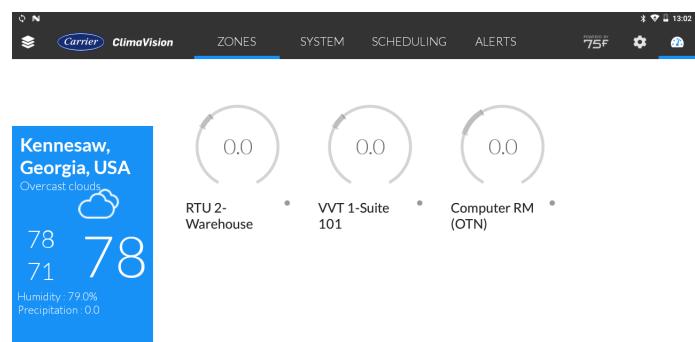


Fig. 1 - CCU screenshot of OTN monitoring temperature in a zone

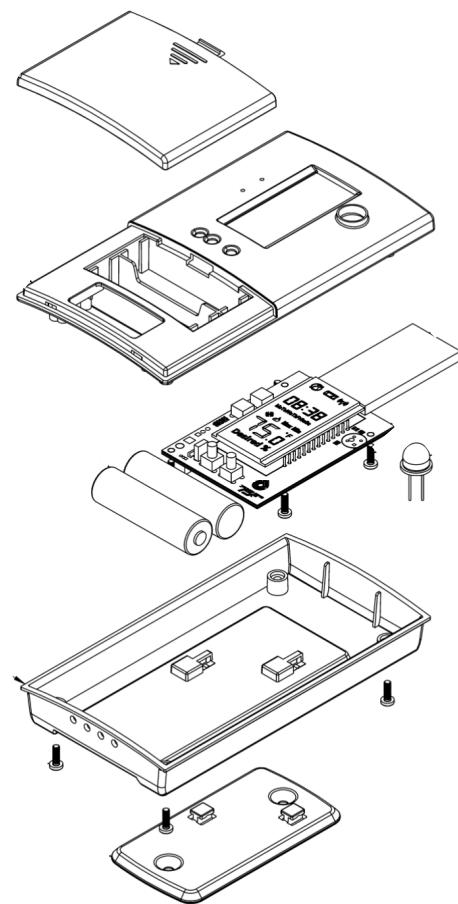
ClimaVision Occupancy & Temperature Node

MECHANICAL

Dimensions 5.6" x 3.1" x 1.3" (142mm x 79mm x 32mm)

Mounting Wall mount

Operating Temperature 32°F – 122°F (0°C – 50°C)



SENSORS

Temperature 32°F – 122°F (0°C – 50°C); typical accuracy of +/- 1°F or 0.2°C

Humidity Sensing range between 0 to 100%RH; Typical accuracy of +/- 2% RH

Occupancy 3m with 110-degree conical angle

ELECTRICAL

Power (2) AA Battery (3VDC)

COMMUNICATIONS

Mesh 900 MHz wireless mesh network, IEEE 802.15.4-compliant; used for device communication on mesh network
Note: OTN does not re-transmit communication

