



Release Announcement for the O3 Sensor Hub

Announcement

September 2018 — Delta Controls is pleased to announce the release of the O3 Sensor Hub.

The O3 Sensor Hub combines multiple temperature sensors, occupancy detection, humidity and wireless integration in one package. It takes every aspect of room detection and moves it to the middle of the room. From its vantage point on the ceiling, the O3 Sensor Hub improves on every aspect of room control and occupant experience.



Features

- ▶ **Advanced Temperature Sensing** Temperature sensing at occupant height with multiple sensors using sensor fusion through local analytics. Humidity sensing is included.
- ▶ **Advanced Occupancy Detection** Multiple sensor fusion utilizes PIR motion and passive audio sensing to create Smart Occupancy sensing.
- ▶ **Advanced Light Sensing** Built-in light intensity and light color temperature sensing is ideal for daylight harvesting strategies and other light control algorithms.

Enhanced Occupant Experience

The O3 Sensor Hub is designed to give occupants an enhanced experience with their space. Immediate feedback from the sensor hub combined with an intuitive app interface puts a thermostat in their hands.

The O3 App

Download from the [Google Play](#) store. (Apple support coming soon.)

Take control of your space with the Delta Controls O3 App. Connect with your O3 system via Bluetooth and create profiles to take control of HVAC, lighting, blinds and other peripherals. Dim lights for presentations, optimize energy savings with eco modes or create the perfect lighting for productivity. Coupled with your O3 Sensor Hub, your space knows what you need before you have to ask. Your Room. Your Way.

- ▶ **Activity Based Control.** Tell the app what you're doing and the rest takes care of itself. Having a meeting? The O3 system will dim the lights, turn on the TV and close the blinds.
- ▶ **Traditional Control.** It's like having a thermostat in your hands. Take precise control of lights, temperature and blinds; all through an intuitive interface.

The O3 Sensor Hub provides an intuitive experience for your end users. They'll take control of everything in the room using configurable, activity-based profiles for each room.



Ordering

Order the O3 Sensor Hub from [Online Orders](#) using the following codes:

03-HUB	Sensor Hub (T,RH,Light, Motion, Bluetooth, LED ring Mic. Spkr)
03-HUB-En868	Sensor Hub (T,RH,Light, Motion, Bluetooth, EnOcean 868Mhz, LED ring Mic. Spkr)
03-HUB-En902	Sensor Hub (T,RH,Light, Motion, Bluetooth, EnOcean 902Mhz, LED ring Mic. Spkr)

Available Models

03-HUB. Combines all sensors, speakers, LED ring and mics in one package.

03-HUB-En868. All the sensors and features from above, with EnOcean support for the European standard of 868Mhz transmission.

03-HUB-En902. All the sensors and features from above, with EnOcean support for the North American standard of 902Mhz transmission.

Order With

The O3 Room Controller. Order with our O3-DIN Room Controller to provide the complete O3 System experience. The O3-DIN is a fully programmable native BACnet® Building Controller. The O3-DIN-CPU supports multiple communication methods, including BACnet/IP, BACnet over Ethernet, BACnet MS/TP and Delta LINKnet.



Features

- ▶ **Speaker.** The included speaker provides user feedback and audible alarm capabilities.
- ▶ **Onboard Temp Sensor.** 10k Ohm thermistor provides a space temperature reference.
- ▶ **IR Temp Sensor.** Temperature at the source. Position to provide temperature readings where they mean the most. At the user.
- ▶ **Humidity Sensor.** Integrated humidity sensor provides complete comfort control.
- ▶ **Lux Sensor.** Sense light intensity and color. Boost user productivity by providing lighting and blind control for always perfect lighting.
- ▶ **Microphones.** Part of the advanced occupancy detection package; listen to find out if the occupant has really left the room.
- ▶ **EnOcean.** Add wall switches, CO₂ sensors or anything else your enhanced occupant experience needs. Supports up to 32 devices.
- ▶ **Bluetooth.** The O3 uses Bluetooth beaconing to detect where the user is. The app always displays the closest room to you.
- ▶ **IR Blaster.** Turn on TVs or projectors. Provides the functionality of an automatic device remote.
- ▶ **Rx \ Tx.** Integral BACnet communication.
- ▶ **RGB Ring.** Communicate command acknowledgement, silent alarms and heating \ cooling modes with the fully programmable LED display.
- ▶ **Motion Sensor.** Fast-acting, wide angle motion sensor detects users immediately.