

GENERAL INFORMATION

No more wasting light on an empty room. The Aero SimpleTap Occupancy Sensor can turn lights on automatically when it detects motion, and turn them off when it senses a lack of movement. The Sensor can also work with the control station to provide manual-On/auto-Off functionality, so you choose when the lights switch on without worrying that you'll forget to turn them off when you leave. The SimpleTap Occupancy Sensor captures and stores available light, allowing it to operate for up to 90 hours in complete darkness. It can be affixed to any surface using tape or screws, so you can place it wherever it's needed most.

APPLICATIONS

- Conference Rooms
- Meeting Rooms
- Hospital Rooms
- Schools
- Health Care Facilities
- Office Buildings

FEATURES

- Wireless and battery-free
- Peel-n-Stick flexibility
- Simple installation, no special wiring or infrastructure
- Powered by Light™ energy harvesting
- Software-free configuration
- SimpleTap — Access to the sensor provides a quick method for expected results
- SmartClick — Full menu driven configuration process, used for more than a simple setup
- Compatible with multiple Aero Power Controllers

GENERAL

- Complies with FCC Part 15.231 and IC RSS-210

ORDERING INFORMATION

Unison Aero Occupancy Sensor

MODEL	DESCRIPTION
UAOS-5	Wireless PIR Occupancy Sensor

Compatible Unison Aero Controls

MODEL	DESCRIPTION
UA1001 / 1002	Wireless Switch Station
UAKCS	Wireless Keycard Station
UALS	Wireless Light Sensor
UAWS	Wireless Door / Window Sensor
UACC	Wireless Cubicle Sensor with Switch
UAPSO	Wired to Wireless Occupancy Sensor Interface
UAPS	Wireless Power Sensor

Compatible Unison Aero Power Controls

MODEL	DESCRIPTION
UAR	Relay Controller
UASSC	SmartSpace Controller
UASRR	SlimLine Dual Relay Controller
UASRD	SlimLine Relay Controller with Dimming
UAMR	Micro Relay Controller

Unison Aero Control Series

SPECIFICATIONS

FUNCTIONAL

- Ceiling mount with 360-degree detection
- Passive infra-red (PIR) technology with immediate occupancy detection
- Light power harvesting for wireless and battery-free operation
- Instant sensing for auto-on applications, even in dark rooms
- Continuous operation up to 90 hours on a full charge
- Charging performed even in low light conditions with as little as 30 lux (3 footcandles)

MECHANICAL

- Semi-clear plastic cover over photovoltaic panels
- Recessed teach button for controller linking
- Enclosed electronics assembly
- Surface mount using double-sided tape or screws (not included)
- Optional mounting to electrical box
- Constructed of white injection-molded ABS plastic

ELECTRICAL

- Photovoltaic powered for battery and maintance-free operation
 - Full charge in 6 hours at 200lux or greater (19 footcandles)
 - Initial operation in 60 seconds at 30 lux or greater (3 footcandles)
- Wireless control using EnOcean® technology
- 315 MHz wireless radio
- 300 feet open air transmission range (100 meters)
- Complies with FCC Part 15.231 and IC RSS-210

THERMAL

- Ambient room temperature: -25 to 65°C / -13 to 145°F
- Ambient humidity: 5 to 95% non-condensing

TYPICAL RADIO RANGE

MATERIAL	RANGE-TYPICAL
Line of sight	300 feet (100 meters) - open hall
Line of sight	100 feet (30 meters) - corridor
Plaster	100 feet (30 meters) or 5 walls
Brick / Concrete	65 feet (20 meters) or 3 walls
Ceiling	1 ceiling

SIGNAL LOSS

MATERIAL	ATTENUATION
Wood / Plaster / Glass	0-10%
Brick / MDF	5-35%
Metal	90-100%

PHYSICAL

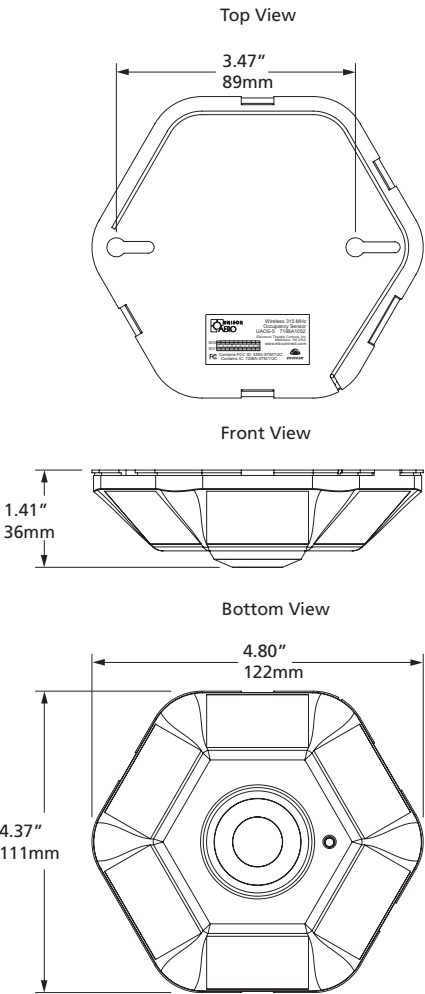
Unison Aero Occupancy Sensor Dimensions*

MODEL	HEIGHT		WIDTH		DEPTH	
	inches	mm	inches	mm	inches	mm
UAOS-5	4.37	111	4.80	122	1.41	36

Unison Aero Occupancy Sensor Weights*

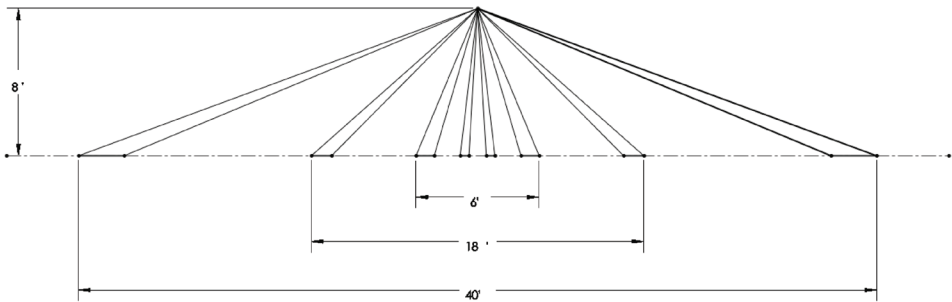
MODEL	WEIGHT		SHIPPING WEIGHT	
	ounces	grams	ounces	grams
UAOS-5	3.9	111	6.6	188

*Weights and dimensions typical

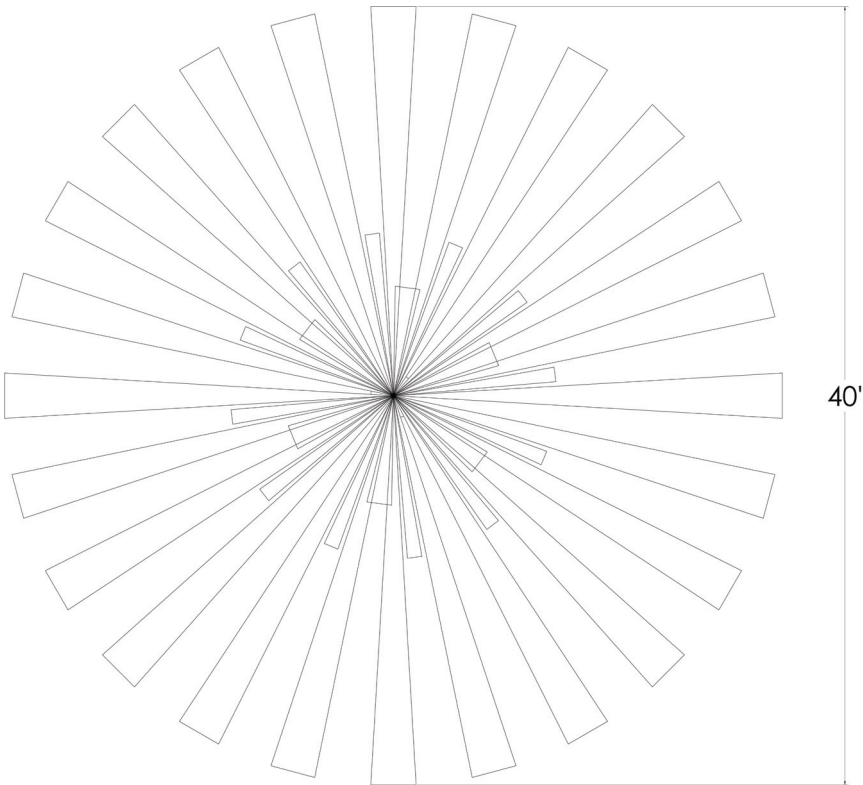


PHYSICAL

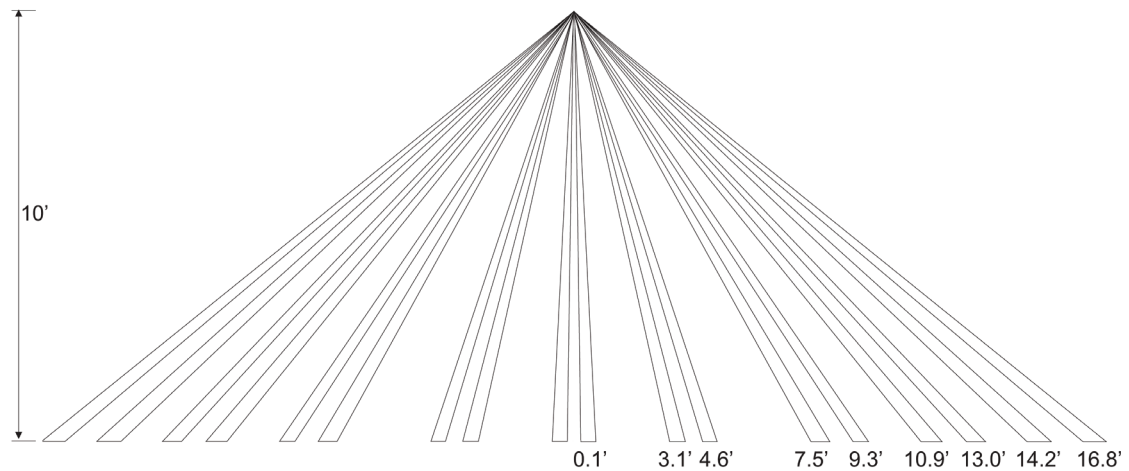
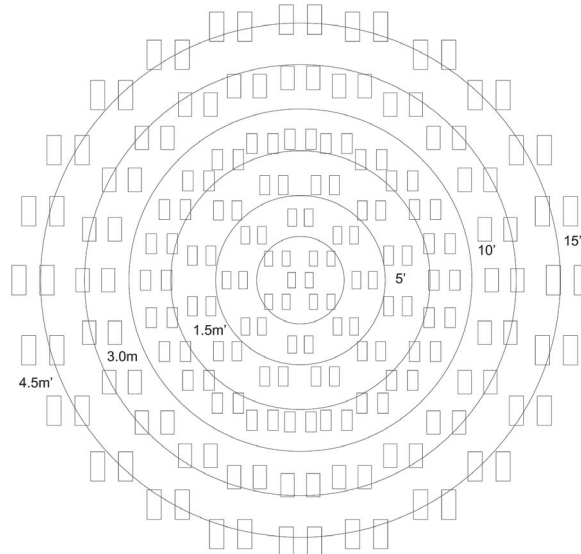
8604 Lens Pattern
Side View



8604 Lens Pattern
Top View



PHYSICAL

HC22 Lens Pattern
Side ViewHC22 Lens Pattern
Top View

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