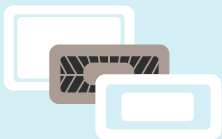## ecovent

THE ECOVENT SMART VENT

▸ Replace standard vents with smart vents

▸ No wiring, ductwork or calibration

▸ Powered by 4 AA batteries, which last 3-5 years

Automatically opens and closes to direct airflow between rooms, making every room the right temperature

Replaces wall, ceiling and floor vents
Installs easily with just a screwdriver and ladder

Multiple common sizes available
Our initial production run will consist of the most popular sizes, *including 4"x10", 4" x 12", 6"x10" and 6"x12"*

Dynamically monitors static pressure
Ecovent only closes vents to the extent it is safe

Designed without louvers
Smooth sweeping surfaces. Quieter than standard vents by up to 10db. Allows for more airflow through open vents, which allows us to safely close more vents

Hassle free installation
No wiring. No ductwork. No calibration. Our mobile app guides you through installation in 15 minutes per room

Battery powered
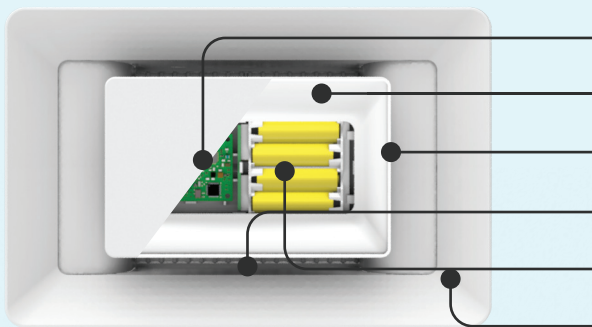Four AA batteries last 3-5 years; no electrical work is needed

Floor vent
Holds up to 300 lbs
Low profile design

Wall vent
Pivotable faceplate to direct airflow

Ceiling vent
Designed to optimize air mixing modeled after plaque diffuser

Lasts 3-5 years on 4 AA batteries

Magnetized cover for easy battery changes

Temperature and pressure sensors

No louvers: Silent curtain design

Operates wirelessly on secure 915 MHz network

Magnetic trim covers mounting screws after install

ceiling

floor

SPECIFICATIONS

Connectivity/Security

915 MHz wireless encrypted network
for connectivity to Smart Hub
Maximum range: 100 m

Materials

Delrin PC-ABS polymer and
polyoxymethylene
Floor vent faceplate: glass filled
polycarbonate

Color

Wall and ceiling vents: white
Floor vents: grey

Compatibility

All ducted forced air heating and/or cooling
systems:
   Single/variable speed fans
   Single stage, two stage and variable speed
   furnaces
   Split systems, packaged units and heat pumps
Thermostats
   Emerson Sensi Thermostat sold by Ecovent
   Nest (1st and 2nd generation)
   Radio Thermostat
   Will work without thermostat control

Physical dimensions (inches)

Wall/Ceiling/Floor (with faceplate)

	4" x 10"	4" x 12"	6" x 10"	6" x 12"
W	11.84	13.84	11.84	13.84
H	5.84	5.84	7.84	7.84
D	2.03	2.03	2.03	2.03

Weight ([grams])
(with faceplate)

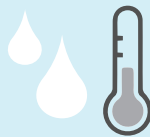|	4" x 10"	4" x 12"	6" x 10"	6" x 12"
W				
H				
D				

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THE ECOVENT SMART SENSOR

▶ Detects climate of each room without occupying the outlet

Plug it into any wall outlet.

Only one per room is needed

More than sensing. Understanding.

Monitors temperature, humidity and pressure of each room. Works even if behind furniture and understands relative altitude +/- 11 inches

No loss of outlet space

Also adds 2 USB ports for charging device and for future sensor expansion

SPECIFICATIONS

Connectivity/Security

915 MHz wireless encrypted network for connectivity to Smart Hub
Bluetooth beacon for detecting presence
USB for sensor expansions

Electrical Specifications

15 amp pass through outlets
10W 5V power supply
UL Certified

Physical dimensions and weight

Width: 3.61"
Height: 5.36
Depth: 1.95" (with prongs),
1.24" (without)

Materials

Primarily PC-ABS polymer
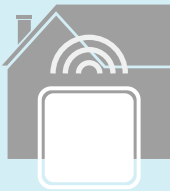and polyoxymethylene
[Tom1]

Color

White

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THE ECOVENT SMART HUB

▶ Deploys secure 915 MHz network to communicate with smart vents and sensors

▶ WiFi and ZigBee radios and ethernet port to connect to home network and integrate with other smart devices

Ecovent's brain. It does the heavy lifting so you won't have to.

One per home.

Just plug it anywhere - it can control smart vents in up to 50 rooms

Works with smart thermostats

Including Nest

Runs control algorithm

Instructs each vent precisely how much to open or close based on sensors in each room and settings in the app

SPECIFICATIONS

Physical dimensions and weight

Width: 5.09"
Height: 1.44"
Depth: 5.48

Connectivity/Security

915 MHz wireless encrypted network for connectivity to Smart Hub
WiFi radio wireless a/b/[nick]
ZigBee radio
Maximum range: [Nick]

Electrical Specifications

5V, 15W maximum input
5W Nominal consumption

Materials

Primarily PC-ABS polymer and polyoxymethylene
[Tom1]

Color

White