



# Ecovent Wall Sensor Assembly Instructions

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Revision: F

Issued: March 30<sup>th</sup>, 2016

# Ecovent Wall Sensor Assembly Instructions



#	Revision	Description of Change	Created By	Approved By	Effective Date
1	-	Initial Release	M. DeLorenzo	M. DeLorenzo	11/25/2015
2	A	Added Test Detail	M. DeLorenzo	M. DeLorenzo	11/30/2015
3	B	Added Powercore Instructions	M. DeLorenzo	M. DeLorenzo	12/05/2015
4	C	VA assy for New Star	J. Pentecost	J. Pentecost	12/07/2015
5	D	Added packaging instruction, updated torque to 5 in-lbs from 3 in-lbs	M. DeLorenzo	M. DeLorenzo	01/25/2016
6	E	Updated torque to in-oz units, new packaging instructions	A. Koukhtieva	T. Frey	03/29/2016
7	F	Corrected Packaging Instructions	A. Koukhtieva	T. Frey	03/30/16

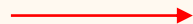
# Ecovent Wall Sensor Assembly Instructions



## Wall Sensor Powercore Assembly

1. Locate the following parts:

- Powercore Back Plate ( PN 602-00002 ), qty. 1



Exterior View



Interior View

- Powercore Hot Side ( PN 801-00003 ), qty. 1

Top View



PN 801-00004

PN 801-00003

Side View



- Powercore Neutral Side ( PN 801-00004 ), qty. 1

- Powercore Ground Assembly ( PN 801-00005 ), qty. 1



- Powercore Front Plate ( PN 602-00001 ), qty. 1

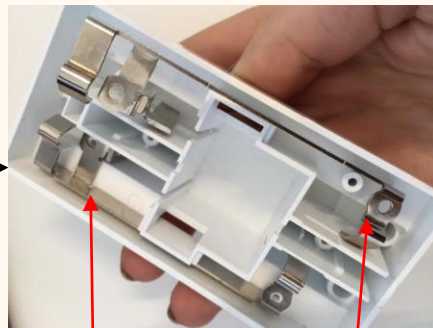
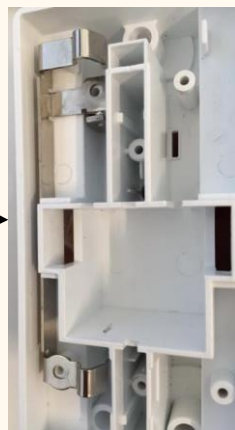


# Ecovent Wall Sensor Assembly Instructions



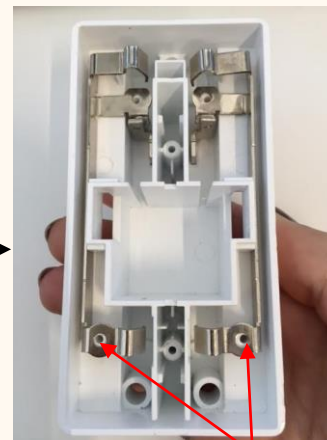
## Wall Sensor Powercore Assembly

2. Install PNs 801-00003 & 801-00004, Powercore Hot & Neutral bus bars, into the Powercore Back Plate housing. Place plugs through the rectangular holes in the housing plastic. Gently press the bus bars until they are flush with the plastic housing. Install two screws in the lower holes as shown. Installation torque must be 80 in-oz (+/- 4 in-oz).



Powercore Neutral Side  
PN 801-00004

Powercore Hot Side  
PN 801-00003



Screw M2.5x6 Plastite  
( PN 603-00001 ), qty. 2



Side View of fully seated  
Hot & Neutral bus bars

# Ecovent Wall Sensor Assembly Instructions



## Wall Sensor Powercore Assembly

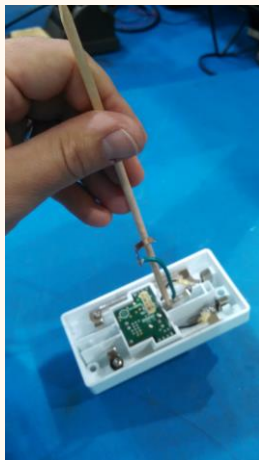
3. Install the Powercore Ground Assembled, PN 801-00005, into the Powercore Back Plate Housing. Position the Ground Prong into the round hole. Gently press using a wooden stick until the ground prong is fully seated. Install Screw M2.5x6 Plastite ( PN 603-00001 ), qty. 1 to attach the Powercore Ground. Torque to 80 in-oz (+/- 4 in-oz).



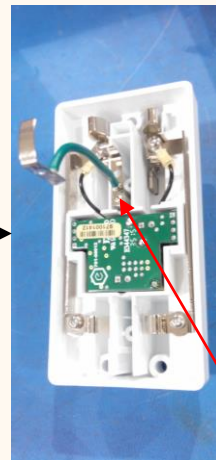
Powercore Ground Assembled  
( PN 801-00005 ), qty. 1



Screw M2.5x6 Plastite  
( PN 603-00001 ), qty. 1



Push Ground Prong into housing  
until fully seated  
(PCBA shown for reference only)



Install one screw 603-00001 in the area shown.  
Torque to 80 in-oz (+/- 4 in-oz)

# Ecovent Wall Sensor Assembly Instructions

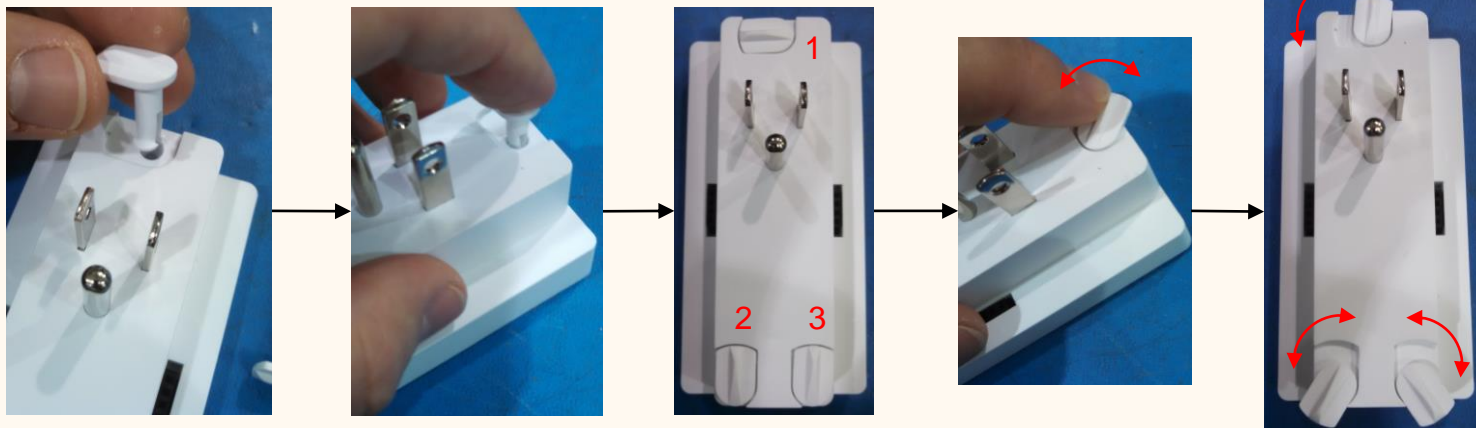


## Wall Sensor Powercore Assembly

4. Install Powercore Assembly Tabs, PN 602-00003, qty. 3 into the Powercore Back Plate Housing. Gently press the Powercore Assembly Tabs until they snap into position. They will seat flush with the Powercore Back Plate Housing. Ensure each tab can rotate freely.



Powercore Assembly Tabs  
( PN 602-00003 ), qty. 3



# Ecovent Wall Sensor Assembly Instructions



## Wall Sensor Powercore Assembly

5. Mate Powercore housing assembly with Powercore faceplate and set aside to be paired with a Wall Sensor Ring Assembly for shipment.

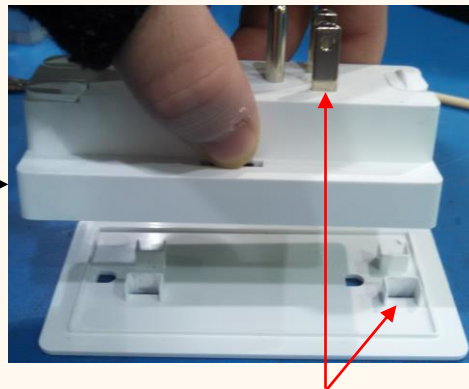


Exterior Side



Interior Side

Powercore Front Plate  
( PN 602-00001 ), qty. 1



\*\*\*Note Orientation of plug and  
plug features on the Powercore  
Front Plate

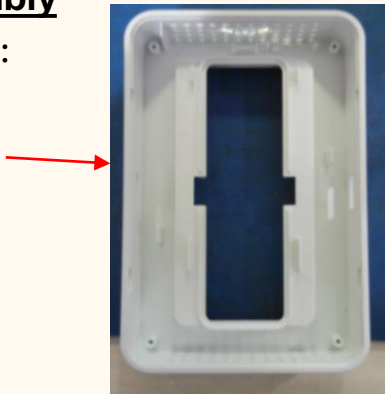
# Ecovent Wall Sensor Assembly Instructions



## Wall Sensor Ring Assembly

1. Locate the following parts:

- Wall Sensor Ring Front (PN 602-00005 ), qty. 1
- Wall Sensor Light Pipe (PN 602-00129), qty. 1



Top View



Side View

2. Install Wall Sensor Light Pipe ( PN 602-00129) into the Wall Sensor Ring Front ( PN 602-00005 ) by placing the Light Pipe Exterior surface into the Light Pipe Hole in the Wall Sensor Housing.



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# Ecovent Wall Sensor Assembly Instructions



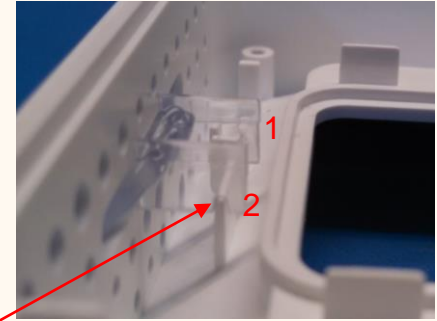
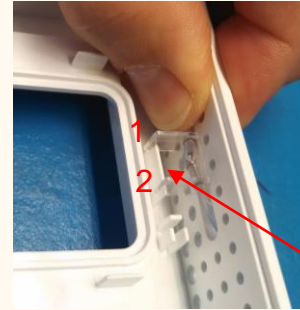
## Wall Sensor Ring Assembly

3. Gently press the rear of the Wall Sensor Light Pipe until the clips snap into place with Wall Sensor Housing mating feature.



Apply pressure in the direction of the arrow, the part will snap into place

Pictured below, completely installed Wall Sensor Light Pipe



\*\*\*Note clip locations are attached over mounting feature, 2 places



Top View



Front View

# Ecovent Wall Sensor Assembly Instructions



## Wall Sensor Ring Assembly

4. Place PN 602-00004, Wall Sensor Ring Back, on top of PN 602-00005, Wall Sensor Ring Front. DO NOT SNAP the two pieces together. Set aside for matching with the Powercore Assembly.



PN 602-00004  
Wall Sensor Ring Back

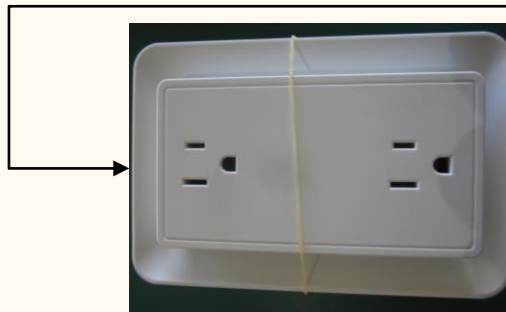


# Ecovent Wall Sensor Assembly Instructions



## Final Assembly and Shipment

1. Place the Wall Sensor Ring Assembly onto the Powercore assembly, as shown. Place the Powercore Front Plate PN 602-00001, onto the assembly and secure with a Rubber Band.



Assembly is complete.  
Send Unit to Packaging

# Ecovent Wall Sensor Assembly Instructions



## **Final Assembly and Shipment**

1. Place inside Bubble Bag prior to Wall Sensors bulk packaging and label with part number and “made in china”.
2. Bulk pack pulp packaging (401-00025, 401-00026), rubber bands (401-00072), and small poly bags (401-00089)
3. In separate package, send M2.5x6 Button Head Plastite Screws, PN 603-00001 (3 screws per Wall Sensor assembly).