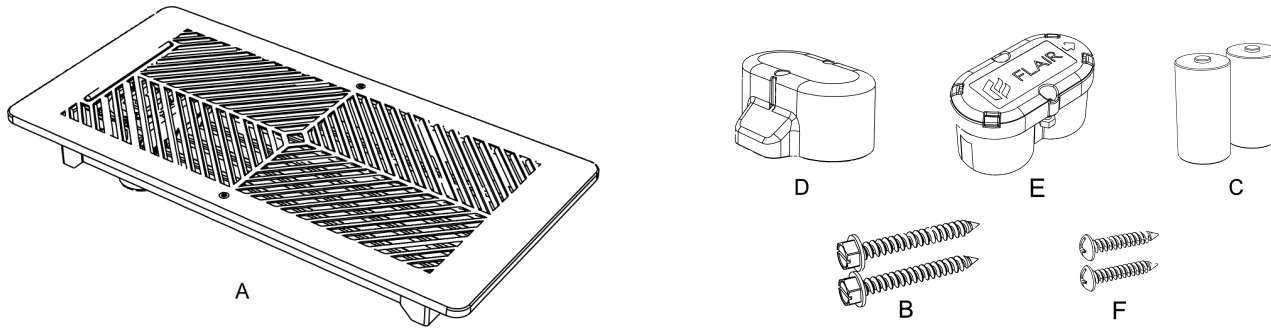


# Smart Vent Installation Guide

## What's in the Box?



A. Smart Vent

B. 2 Mounting Screws

C. 2x C-Cell Batteries

D. Bottom Battery Holder

E. Top Battery Holder

F. Battery Holder Screws

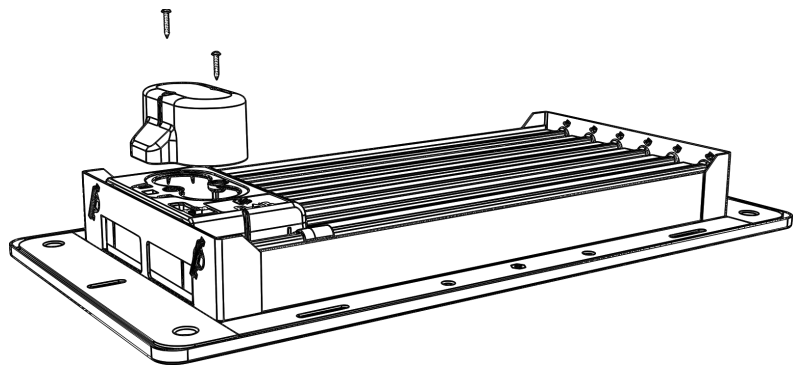
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## Smart Vent Assembly and Installation

For full instructions, visit [flair.co/welcome](http://flair.co/welcome)

### 1. Attach Bottom Battery Holder

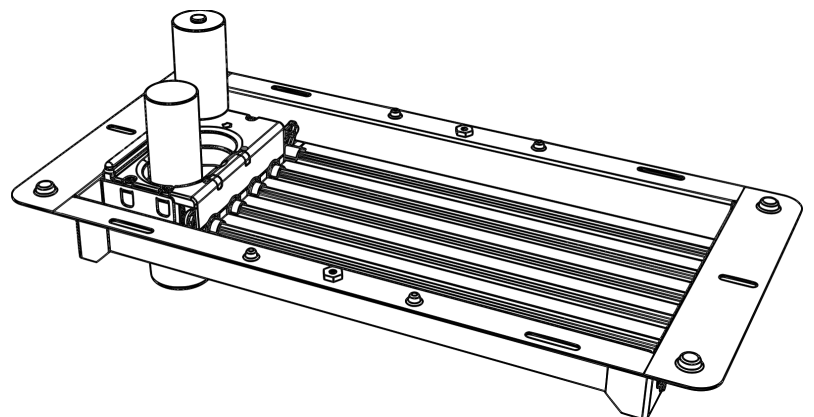
Insert the Bottom Battery Holder into the back of the Smart Vent. Screw in the two Battery Holder Screws. Ensure the screws are fully inserted and snug but **do not over tighten**, as you might strip the plastic.



### 2. Insert Batteries

Unscrew the two front screws and remove the faceplate (if attached). Insert the two C-cell batteries, taking care to note the correct orientation.

If you plan to wire in your Smart Vents, **DO NOT** insert batteries. For instructions on how to hardwire vents, see wired installation instructions on page three.

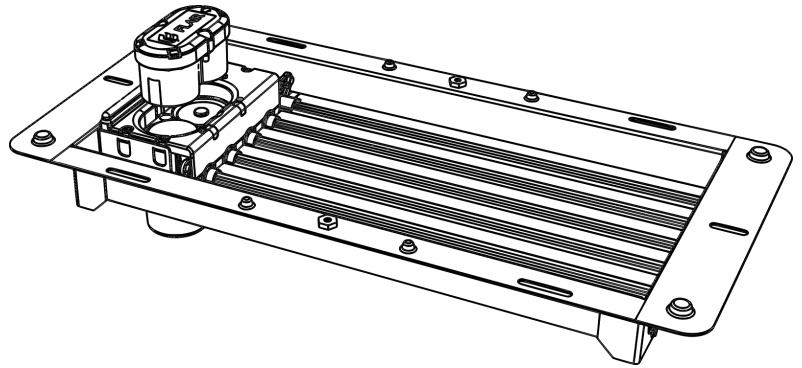


### 3. Attach Top Battery Holder

Align the arrow on the Top Battery Holder with the arrow on the Smart Vent body.

Push the Top Battery Holder down over the batteries and screw in both screws (note: screws are pre-inserted into the Top Battery Holder).

If you've installed the Top Battery Holder correctly, you should see the Smart Vent's lights turn on and the louvers move. If you do not see these actions, remove the Top Battery Holder, wait five minutes, and install again.



### 4. Mount or Insert the Smart Vent

#### Floor installation

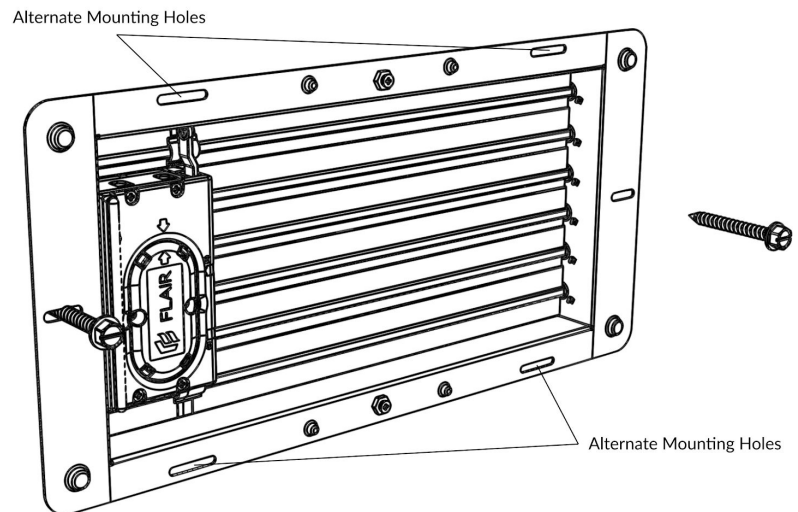
Place the Smart Vent into the duct opening on the floor.

#### Wall and Ceiling

Insert the Smart Vent into the wall or ceiling. Insert the mounting screws into the mounting slot on the two ends of the vent. Align the screws in the mounting slot with the existing mounting holes in the wall or ceiling.

**If the mounting holes in your wall or ceiling are stripped or loose:** Use drywall anchors (not included) and/or use the alternate mounting holes. If you use the alternate mounting holes, we recommend using drywall anchors and 4 mounting screws (not included).

Take care to ensure that the Smart Vent is securely fixed to the wall or ceiling. If you're unsure how to proceed with installation, contact a local handyman or contracting service. Flair is not liable or responsible for damage or injury resulting from incorrectly installed Smart Vents.

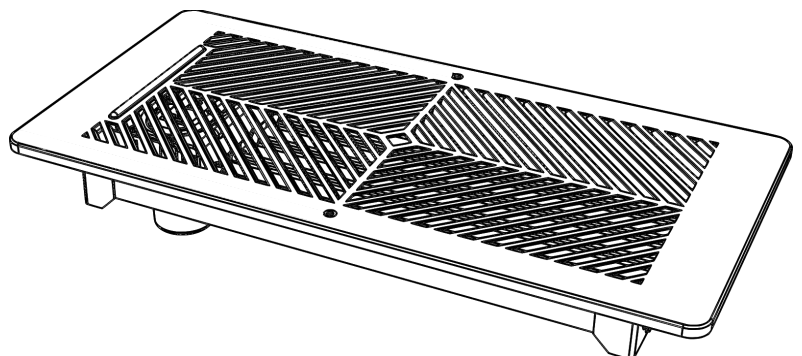


### 5. Attach Faceplate

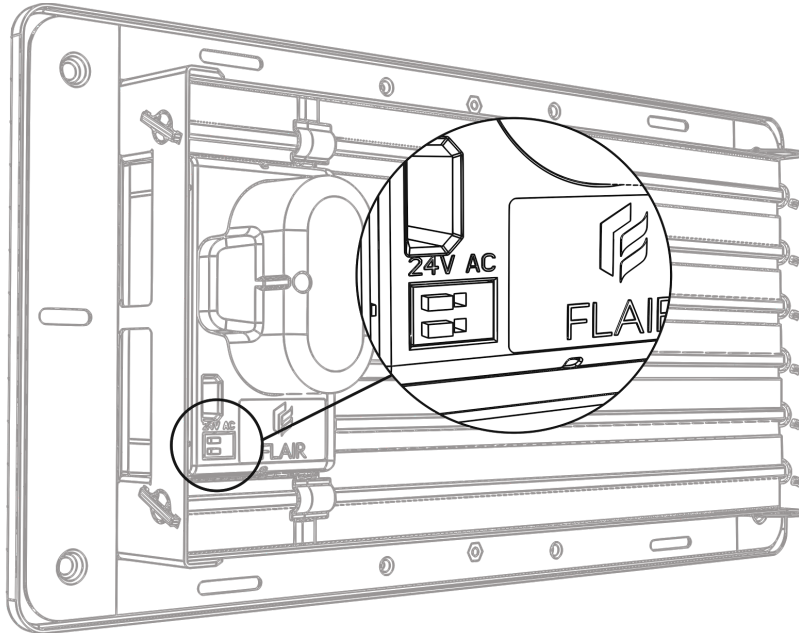
Attach the faceplate with the two screws. Install any other Smart Vents.

### 6. Digital Installation

When you're finished installing your Smart Vents, you can start digital setup in the Flair App ([flair.co/ios](http://flair.co/ios) or [flair.co/android](http://flair.co/android)). You can also access Flair via the Web App at [my.flair.co](http://my.flair.co). For further installation instructions, please visit [flair.co/welcome](http://flair.co/welcome)



# Wired Installation

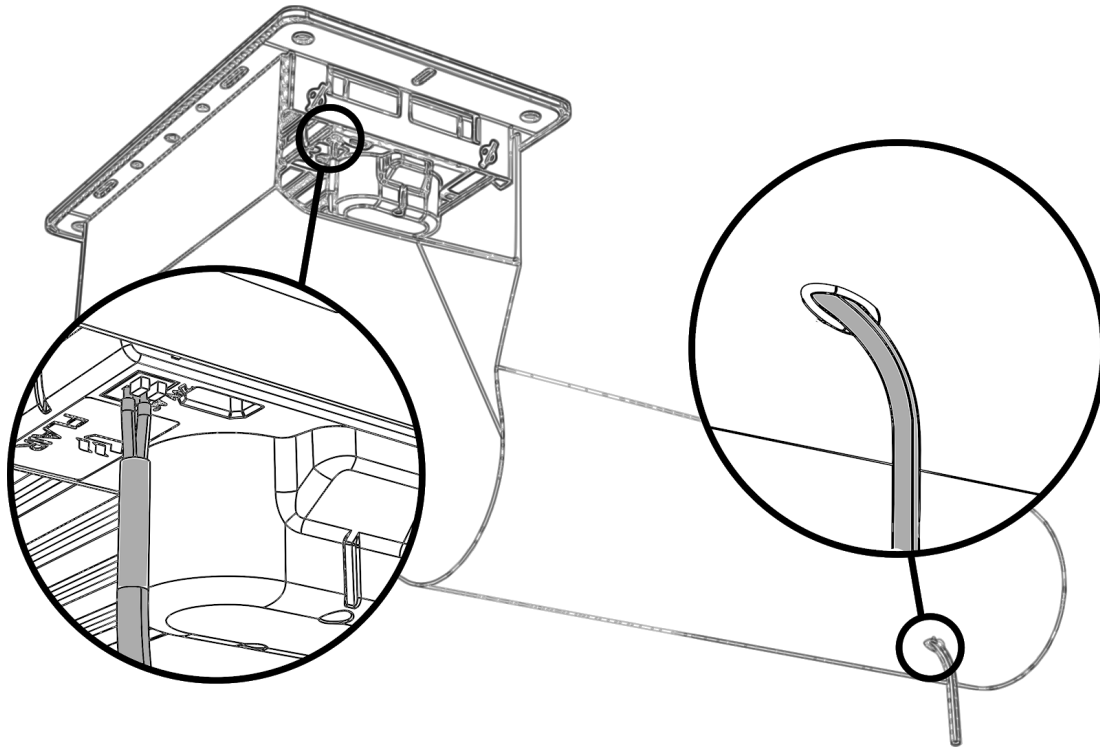


24V AC Optional Power Port  
Use with: 20AWG Plenum Rated Solid 2 Conductor Wire  
@24VAC: less than 1mA continuous, max 50mA Intermittent

1. Drill a hole in the boot or duct near the vent. You can drill this hole wherever it is convenient. However, the size of the hole should be large enough to fit a 20AWG Plenum Rated Solid (2 Conductor) wire.
2. Slide the 20AWG Plenum Rated Solid (2 Conductor) wire through the hole and into the boot or duct.
3. Pull enough wire through to reach the back of the Smart Vent. If you accidentally pull in more length than you need, you can trim it later.  
**IMPORTANT:** Be careful to avoid stripping the insulation off the wire as you pull it through the hole, as this could lead to a short.
4. With the wire in place, use high-quality Duct Tape or Mastic to seal the hole in the boot or duct.
5. Strip the insulation at the end of the 20AWG Plenum Rated Solid (2 Conductor) wire, press it into the terminal block buttons, and insert each conductor into the 24 VAC port on the back side of the Smart Vent Vent (either wire can go in either hole, polarity does not matter).
6. Ensure that the wire doesn't interfere with the Smart Vent's louvre movement. If there is excessive wire in the boot or duct, trim the wire, and repeat Step 5.  
**IMPORTANT:** Ensure that the two wires are fully separated and cannot short near the Smart Vent terminal block. In case of excess exposed wire at the vent terminal block, press the release buttons on the terminal block and pull the wires out. Trim exposed wire as needed and reinsert.
7. Connect the other end of wire to a 24VAC transformer or power supply.  
**Note:** You will not need to wire to the ground pin/terminal, if one is available.
8. Continue with regular installation.
9. Plug in or power your 24VAC power supply/transformer.

## Electrical Notes:

- Flair Smart Vents operate with very low power requirements and operate at different times. A 40VA (@24VAC) power supply/transformer will suffice for up to 10 Smart Vents.
  - Beyond 10 Smart Vents, we recommended that you consider additional power supplies as the length of the wire runs may become very long.
- Grounding is not needed.
- Max length from transformer to Smart Vent should be 100 feet or less if using 20 AWG copper. If using aluminum or steel, please keep distances shorter.



## FCC STATEMENT

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

### Canada Statement

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with FCC/IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Ce matériel est conforme aux limites de dose d'exposition aux rayonnements, fac / ic rss-102 énoncée dans un autre environnement. cette equipment devrait être installé et exploité avec distance minimale de 20 entre le radiateur et votre corps.